

HELP SHAPE THE FUTURE OF RESPIRATORY
SCIENCE AND MEDICINE

take part in



INTERNATIONAL CONGRESS 2018

PARIS France, 15-19 September

PLAN YOUR CONGRESS Programme



ERSCONGRESS.ORG

■ WELCOME FROM THE ERS PRESIDENT MINA GAGA



Professor Mina Gaga
ERS PRESIDENT

“The 28th ERS International Congress is taking place in Paris this year and I am looking forward to enjoying the experience; the Congress is the biggest in respiratory medicine, it is a forum to get updated with the latest studies in the field, to meet peers and key opinion leaders, to enjoy the many educational sessions and to be part of this exciting and productive atmosphere, in a great congress centre and an historic and alluring city.

“This event is the result of many months of hard work. The ERS Science and Education Councils have worked tirelessly alongside ERS Officers to develop a programme of sessions and activities which not only represent the latest in respiratory medicine and science but also cater to the varied needs of our growing membership and wider community. This year’s programme, as in the past, has something for clinicians, scientists and allied health professionals: live and hands-on sessions, grand rounds, meet-the-expert seminars, new scientific evidence and, very importantly, the opportunity to meet with colleagues and to network.

“Networking is always a very big pull for our Congress; with over 22,000 delegates regularly in attendance, it is rightly seen as the place to be and to meet up with colleagues and peers from all over the world. It can be the catalyst for new collaborations and forming networks and this helps the advancement of knowledge and science and also helps our members’ careers. Having the opportunity and the proper space to share ideas and knowledge and discuss issues and experiences plays a significant role in fulfilling our own personal goals of becoming better and feeling part of a productive and energetic community, it also helps reach the ultimate goal of better respiratory health across Europe and worldwide.

“I am looking forward to being in Paris – to welcome you all to what I know will be the respiratory event of the year, and to participate, absorb the knowledge being shared over the five-day period and enjoy the atmosphere. As the current ERS President, I am so very proud to be celebrating my presidency with this prestigious event! I would like to thank our officers and our members and importantly, all the ERS staff and departments who play a key role in bringing this big and complex event to life and who continue to do an excellent job year by year.”

WELCOME FROM THE CONGRESS CHAIRS



Prof. Anh-Tuan Dinh-Xuan
CONGRESS CHAIR



Prof. Nicolas Roche
CONGRESS CO-CHAIR

Welcome to Paris 2018!

We are delighted to welcome friends and colleagues to our home city of Paris for the ERS International Congress 2018.

Paris is a fitting choice for the largest respiratory meeting in the world as it is an important scientific centre in Europe; think René Descartes, Pierre and Marie Curie, the Sorbonne University, the freedom of thinking (les Lumières) and revolutionary ideas.

Paris is certainly one of the most interesting cities in Europe and worldwide. People from all over the world travel to Paris to discover and experience the French way of life. Only a few cities on earth capture the imaginations and hearts like Paris.

Paris is the city of love, inspiration, art and fashion. It is a wonderful combination of historic, modern, romantic, intellectual, grandiose and elegantly understated. The nightlife and warm atmosphere are welcoming and will make you feel at home.

The French capital has fascinating architecture in abundance, not least the iconic Eiffel Tower. It has a huge number of museums which house some of the world's most important artworks. Artistic vibrancy resonates throughout the city. It would take a lifetime to fully experience the Louvre, home to the world's most diverse and extensive collection of pre-20th century art, not to mention the many other Museums nearby, such as the Orsay, Rodin, and the Musée du quai Branly.

Paris is the largest city in France and is located in the northwest region. It sits on the banks of the Seine River and has a population of approximately 2,315,000.

Covering key topics in respiratory medicine from across the spectrum of disease areas including TB, lung cancer, chronic and acute respiratory failure, sleep breathing disorders, interstitial lung diseases, pneumonia, cystic fibrosis, COPD and asthma, amongst others, the Congress programme is set to deliver the best advances in both science and education.

This Congress will specifically highlight the importance of environment in respiratory health and focus on the need to personalise medicine in the respiratory arena. Special attention will also be paid to our interactions with microorganisms in our environment as well as those that live in peace within our organism.

We look forward to welcoming you to the ERS International Congress where we will continue our mission to promote lung health and drive standards in respiratory medicine, in close partnership with national societies, patient organisations, and various institutions all over Europe and beyond.

PRACTICAL INFORMATION A-Z

Catering

No official lunches will be provided for Congress participants but there will be a number of lunch facilities around the Congress centre, including cafeterias, restaurants, bars and several coffee/snack points.

The official catering partner is not confirmed yet.

Childcare

Please note that no childcare service will be provided in Paris.

Congress partners

Venue

Paris Expo Porte de Versailles
1 Place de la Porte de Versailles, 75015 Paris

Accommodation

B Network
Rue Royale 20
75008 Paris
France
Tel: +33 158 162 011
e-mail: ers2018@b-network.com
Find out how to make individual and group accommodation bookings

Insurance and disclaimer

The European Respiratory Society (ERS), Paris Expo Porte de Versailles, Interplan, the registration partner and all other Congress partners accept no liability for injuries and/or losses of whatever nature incurred by participants and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings. Please check the validity of your own insurance.

Registration

Congrex Switzerland Ltd
Peter Merian-Strasse 80
CH-4002 Basel
Tel: +41 61 686 77 77, Fax: +41 61 686 77 88
e-mail: ers2018.registration@congrex.com

Transportation cards

The transportation card will not be offered for the ERS International Congress 2018. However, it can be purchased in advance when registering for the Congress or on-site at the dedicated desks.

Further information and prices will be available when registration opens in April 2018.

Dates and opening hours

Date	Congress Centre	Registration	Speakers' preview Room	ERS Sessions	Evening Symposia	Exhibition
Saturday, 15 September	07:00-21:00	07:00-18:15	07:30-17:30	09:30-17:30*		
Sunday, 16 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Monday, 17 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Tuesday, 18 September	06:30-19:30	06:30-17:30	07:30-17:30	07:00-16:45	17:15-19:15	09:00-17:00
Wednesday, 19 September	06:30-13:30*	06:30-14:00	08:00-11:00	08:30-12:45		09:00-12:00

*All times are subject to change



ERS-CTS Joint Session

Saturday 15 September, 2018 at the ERS International Congress Paris, France, Hall 7.3 C, 08:30–13:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN CHINESE

Note that the presentations will be conducted in Chinese and English with dual projection of slides in both languages.

08:30–11:00

Chinese Programme Part I

Chairs: T. Troosters (Belgium), R. Chen (China), A. Bush (United Kingdom)

- 08:30 Update on management of new emerging acute respiratory viral infectious diseases
N. Zhong (China)
- 09:00 The role of chronic infection in respiratory diseases
E. Polverino (Spain)
- 09:30 Establishment of PCCM training system in China
C. Wang (China)
- 10:00 School interventions to improve asthma control
J. Grigg (United Kingdom)
- 10:30 Break

11:00–13:00

Chinese Programme Part II

Chairs: G. Joos (Belgium), R. Chen (China)

- 11:00 The Chinese New Guideline on HAP/VAP
J. Qu (China)
- 11:30 HAP/VAP : new guidelines, new approaches
F. Blasi (Italy)
- 12:00 Recent advance in home noninvasive mechanical ventilation in China
R. Chen (China)
- 12:30 Is there still a role for NIV in acute hypoxemic failure?
L. Heunks (Netherlands)



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ERS-SPLF Joint Session

Saturday 15 September, 2018 at the ERS International Congress Paris, France, Hall 7.1 B, 14:00–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN FRENCH

Note that the presentations will be conducted in French with dual projection of slides in French and English.

14:00–15:45

French Programme Part I

Chairs: N. Roche (France), G. Brusselle (Belgium)

- 14:00 Follow-up of resected bronchial carcinoma
V. Westeel (France)
- 14:26 Yield of cohorts in the bronchial diseases
C. Raherison-Semjen (France)
- 14:52 Asthma phenotypes in children: what is the impact at adult age?
J. Just (France)
- 15:18 Big data applied to sleep
J. Pépin (France)

15:45–17:30

French Programme Part II

Chairs: A. Dinh-Xuan (France), M. Gaga (Greece)

- 15:45 Atmospheric air pollution: results from interventional studies
I. Annesi Maesano (France)
- 16:11 Thrombo-embolic pulmonary hypertension: which treatment should we choose?
X. Jais (France)
- 16:37 Smoking cessation and COPD
M. Waked (Lebanon)
- 17:03 Anti-tuberculosis drugs : what is new?
G. Migliori (Italy)



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ERS-RRS-ARSRM Joint Session

Saturday 15 September, 2018 at the ERS International Congress Paris, France, Hall 7.1 B, 09:00–13:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN RUSSIAN

Note that the presentations will be conducted in Russian and English with dual projection of slides in both languages.

09:00–11:00

Russian Speaking Programme 2018: Part I

Chairs: E. Amelina (Russian Federation), I. Sermet-Gaudelus (France)

- 09:00 An assay of CF transmembrane conductance regulator function that uses primary CF intestinal organoids: shared experiences with the Russian CF centre
J. Beekman (Netherlands)
- 09:25 Collaboration between the Russian National CF Patient Registry and the European CF Society Patient Registry
E. Amelina (Russian Federation)
- 09:50 Specific features of spectrum and frequency of CFTR mutations in ethnically different populations of the Russian Federation
N. Kashirskaya (Russian Federation)
- 10:15 CF: pathogenesis treatment strategies
I. Sermet-Gaudelus (France)
- 10:40 Break

11:00–13:00

Russian Speaking Programme 2018: Part II

Chairs: E. Davidovskaya (Belarus), A. Belevskiy (Russian Federation)

- 11:00 Modern concept of sporadic LAM pathogenesis
S. Harari (Italy)
- 11:30 Clinical experience of LAM patients who were managed in the Russian Federation
A. Chuchalin (Russian Federation)
- 12:00 Russian experiences in lung transplantation in CF and LAM patients
N. Karchevskaya (Russian Federation)
- 12:30 Non-invasive diagnosis of lymphangioleiomyomatosis: new biomarkers
L. Young (United States of America)



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ERS-ALAT-SBPT-SEPAR-SPP Joint Spanish / Portuguese Session

Saturday 15 September, 2018 at the ERS International
Congress Paris, France, Hall 7.3 C, 14:00–17:30

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN SPANISH AND PORTUGUESE

Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.

14:00–16:00

Spanish and Portuguese Programme Part I

Chairs: C. Jimenez Ruiz (Spain), G. Zabert (Argentina)

- 14:00 Tuberculosis in a migrating world
L. Rendon Perez (Mexico)
- 14:30 Drug-resistant tuberculosis in Europe
J. Caminero Luna (Spain)
- 15:00 Panel discussion
- 15:30 Break

16:00–17:30

Spanish and Portuguese Programme Part II

Chairs: V. Coelho Pinto Hespanhol (Portugal), F. Cavalcanti Lundgren (Brazil)

- 16:00 Mechanical ventilation in patients with neuromuscular diseases
M. Alcântara Holanda (Brazil)
- 16:30 The non-invasive ventilation network in Portugal
M. Araújo Cunha Guimarães (Portugal)
- 17:00 Panel discussion



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SEPAR Sociedad Española
de Neumología
y Cirugía Torácica
SEPAR



≡ PROGRAMME AT A GLANCE

ADDITIONAL COURSES REGISTRATION *1

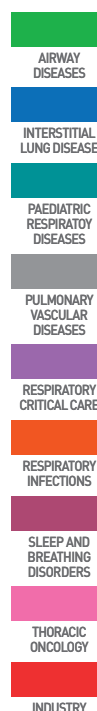
	Early bird (up to 10.07.2018 00:00 CET)	Standard (from 14.09.2018)	Onsite (from 15.09.2018)
Postgraduate courses *2	€ 95	€ 125	€ 140
Full day postgraduate course	€ 155	€ 200	€ 220
Meet the expert	€ 70	€ 90	€ 100
Skills workshops	€ 70	€ 90	€ 100
Postgraduate course “How to plan for and manage a respiratory epidemic/ pandemic” (PG3)	€ 50	€ 70	€ 80
Professional development workshops	€ 25	€ 35	€ 40

*1 The early bird fees will be maintained for the entire registration period for all early career members and delegates from low-income countries.

*2 Delegates attending Postgraduate courses and Skills workshops only and NOT the ERS Congress will pay a single additional €25 handling fee.

SATURDAY 15 SEPTEMBER 2018

08:30	11:00	Session	Chinese Programme 2018 - Part I a joint ERS / CTS session		Clinical
09:00	17:30	Professional development	PDW1 Spirometry training programme: become a programme organiser	Registration for this session is additional to the Congress registration fee	Clinical
09:00	11:00	Session	Russian Programme 2018 - Part I Rare pulmonary diseases: cystic fibrosis and lymphangioleiomyomatosis		Clinical
09:30	11:30	Session	Primary Care Programme 2018 - Part I Getting the basics right: a new look at core issues (part I: a new look at healthcare for long-term conditions)		Clinical
09:30	17:30	Postgraduate course	PG1 Asthma and chronic obstructive pulmonary disease	Registration for this session is additional to the Congress registration fee	Clinical
09:30	17:30	Postgraduate course	PG2 Thoracic ultrasound Enhance your sonography practice beyond identification of pleural fluid	Registration for this session is additional to the Congress registration fee	Clinical
09:30	17:30	Postgraduate course	PG3 How to plan for and manage a respiratory epidemic/pandemic PREPARE EU-funded project, organised in conjunction with ECDC and ISARIC	Registration for this session is additional to the Congress registration fee	Clinical, Translational
09:30	17:30	Postgraduate course	PG4 Imaging of the chest A concise overview	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG5 Noninvasive ventilation - pitfalls and challenges	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG6 Bronchoscopy in pulmonary emergencies	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG7 Sleep-disordered breathing - diagnosis and therapy	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG8 Lung function testing Techniques, performance and implications for lung disease	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG9 Chronic obstructive pulmonary disease exacerbations	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG10 Cystic fibrosis: Basic defects and clinical problems in children	Registration for this session is additional to the Congress registration fee	Clinical
09:30	13:00	Postgraduate course	PG11 Modern approaches in lung cancer diagnostics and therapy	Registration for this session is additional to the Congress registration fee	Clinical
11:00	13:00	Session	Chinese Programme 2018 - Part II a joint ERS / CTS session		Clinical
11:00	13:00	Session	Russian Programme 2018 - Part II Rare pulmonary diseases: cystic fibrosis and lymphangioleiomyomatosis		Clinical
11:30	13:00	Session	Primary Care Programme 2018 - Part II Getting the basics right: a new look at core issues (part II: a new look at the basics)		Clinical
13:00	16:00	HERMES examination	ERS HERMES Examinations in Adult and Paediatric Respiratory Medicine	Registration for this session is additional to the Congress registration fee	
14:00	16:00	Session	Spanish and Portuguese Programme 2018 - Part I a joint ERS / ALAT / SBPT / SEPAR / SPP session		Clinical



14:00	15:45	Session	French Programme 2018 - Part I A joint ERS/SPLF session		Clinical
14:00	17:30	Postgraduate course	PG12 Interventional pulmonology	Registration for this session is additional to the Congress registration fee	Clinical
14:00	17:30	Postgraduate course	PG13 Challenges in the treatment of tuberculosis	Registration for this session is additional to the Congress registration fee	Clinical
14:00	17:30	Postgraduate course	PG14 The evolving world of pulmonary rehabilitation	Registration for this session is additional to the Congress registration fee	Clinical
14:00	17:30	Postgraduate course	PG15 Challenging issues in acute interstitial lung diseases	Registration for this session is additional to the Congress registration fee	Clinical
14:00	17:30	Postgraduate course	PG16 Advanced cardiopulmonary exercise testing Cardiopulmonary exercise testing in health and respiratory disease	Registration for this session is additional to the Congress registration fee	Clinical
14:00	17:30	Postgraduate course	PG17 Asthma phenotyping Therapeutic implications	Registration for this session is additional to the Congress registration fee	Basic science
14:00	17:30	Postgraduate course	PG18 Cystic fibrosis: management in adult patients	Registration for this session is additional to the Congress registration fee	Clinical
14:00	17:30	Postgraduate course	PG19 Heart-lung interaction What the chest physician has to know	Registration for this session is additional to the Congress registration fee	Clinical
15:45	17:30	Session	French programme - Part II A joint ERS/SPLF session		Clinical
16:00	17:30	Session	Spanish and Portuguese Programme 2018 - Part II A joint ERS/ALAT/SBPT/SEPAR/SPP session		Clinical



SUNDAY 16 SEPTEMBER 2018

07:00	08:15	Challenging clinical cases	CC1 Lung transplantation		Clinical
07:00	08:15	Challenging clinical cases	CC2 Broad spectrum of chronic thromboembolic pulmonary hypertension		Clinical
08:30	10:30	Grand round	Lung cancer Grand Round		Clinical
08:30	10:30	Symposium	Respiratory muscles at rest, during exercise and in the critically ill patient		Clinical
08:30	10:30	Symposium	Organoids and pluripotent stem cells Disease modelling and drug testing		Basic science
08:30	10:30	Symposium	State of the art session: Airways disease update on clinical and translational studies		Translational
09:00	10:30	Professional development	PDW2 Medical writing	Registration for this session is additional to the Congress registration fee	
10:40	13:00	Skills workshop	SW2 Body plethysmography	Registration for this session is additional to the Congress registration fee	Clinical
10:40	13:00	Skills workshop	SW5 Endoscopy Hands-on workshop on endoscopic technologies	Registration for this session is additional to the Congress registration fee	Clinical
10:45	12:45	Grand round	Imaging Grand Round Comprehensive update on (almost) all aspects of lung imaging		Clinical
10:45	12:45	Symposium	State of the art session: Pulmonary vascular diseases		Clinical
10:45	12:45	Symposium	Towards understanding and managing chronic cough		Clinical
10:45	12:45	Symposium	Gene-environment interactions in the omics era		Translational
10:45	12:45	Symposium	Dyspnoea - a multidimensional and multidisciplinary approach		Clinical
10:45	12:45	Symposium	Multidisciplinary approach to ground-glass opacities		Clinical
11:00	13:00	Professional development	PDW3 Leading and managing change	Registration for this session is additional to the Congress registration fee	
13:15	14:30	Industry Practical Workshops	More information on related section		
13:00	14:30	Championship	Respiratory championship Become a champion in respiratory medicine		Clinical
13:00	14:00	Meet the expert	ME1 Endoscopic lung volume reduction	Registration for this session is additional to the Congress registration fee	Clinical
13:00	14:00	Meet the expert	ME2 Lung microbiome: study design and standardisation	Registration for this session is additional to the Congress registration fee	Basic science
13:15	14:15	Meet the expert	ME3 Bronchoscopic evaluation of recurrent/persistent pneumonia in children	Registration for this session is additional to the Congress registration fee	Clinical
13:00	14:00	Meet the expert	ME4 Mucus clearance techniques across respiratory care settings	Registration for this session is additional to the Congress registration fee	Clinical
14:30	16:30	Professional development	PDW4 How to deal with difficult employees and co-workers Strategies for working with direct reports and co-workers	Registration for this session is additional to the Congress registration fee	

AIRWAY DISEASES

INTERSTITIAL LUNG DISEASE

PAEDIATRIC RESPIRATORY DISEASES

PULMONARY VASCULAR DISEASES

RESPIRATORY CRITICAL CARE

RESPIRATORY INFECTIONS

SLEEP AND BREATHING DISORDERS

THORACIC ONCOLOGY

INDUSTRY

14:30	16:50	Skills workshop	SW3 Body plethysmography	Registration for this session is additional to the Congress registration fee	Clinical
14:30	16:50	Skills workshop	SW6 Endoscopy Hands-on workshop on endoscopic technologies	Registration for this session is additional to the Congress registration fee	Clinical
14:45	16:45	Symposium	Management of pleural infection in 2018 Pleural infection		Clinical
14:45	16:45	Symposium	Current and evolving tests in lung function: pro/con debate		Clinical
14:45	16:45	Symposium	Interstitial lung disease: an interdisciplinary approach Translating quality standards from paper to practice		Translational
14:45	16:45	Symposium	Mitochondrial dysfunction as a driver of lung disease		Translational
14:45	16:45	Symposium	State of the art session: Sleep and breathing disorders Dyspnoea, brain and sleep disorders		Clinical
14:45	16:45	Year in review	Paediatric Year in Review		Clinical
17:15	19:15	Industry evening sessions	More information on related section		

AIRWAY DISEASES
INTERSTITIAL LUNG DISEASE
PAEDIATRIC RESPIRATORY DISEASES
PULMONARY VASCULAR DISEASES
RESPIRATORY CRITICAL CARE
RESPIRATORY INFECTIONS
SLEEP AND BREATHING DISORDERS
THORACIC ONCOLOGY
INDUSTRY

MONDAY 17 SEPTEMBER 2018

07:00	08:15	Industry early morning symposium	More information on related section		
07:00	08:15	Challenging clinical cases	CC3 Lung cancer: personalised treatment and palliative care		Clinical
07:00	08:15	Challenging clinical cases	CC4 Tuberculosis Drawing from the experience of the ERS/WHO TB Concilium		Clinical
07:00	08:15	Challenging clinical cases	CC5 Pulmonary vasculitis: the great chameleon		Clinical
08:00	10:20	Skills workshop	SW7 Cardiopulmonary exercise test interpretation - tips and pitfalls Tips and pitfalls in cardiopulmonary exercise testing assessment	Registration for this session is additional to the Congress registration fee	Clinical
08:00	10:20	Skills workshop	SW10 Thoracic ultrasound	Registration for this session is additional to the Congress registration fee	Clinical
08:30	10:30	Grand round	Paediatric Grand Round		Clinical
08:30	10:30	Symposium	Cross-talk in the lung microenvironment: implications for chronic lung disease		Basic science
08:30	10:30	Symposium	New trends in the management of difficult-to-wean patients Multidisciplinary approach		Clinical
08:30	10:30	Symposium	Sleep apnoea: is it time for new therapies?		Clinical
08:30	10:30	Symposium	State of the art session: Thoracic oncology		Translational
08:30	10:30	Year in review	Therapeutic breakthroughs Year in Review		
10:40	13:00	Skills workshop	SW8 Cardiopulmonary exercise test interpretation - tips and pitfalls Tips and pitfalls in cardiopulmonary exercise testing assessment	Registration for this session is additional to the Congress registration fee	Clinical
10:40	13:00	Skills workshop	SW11 Thoracic ultrasound	Registration for this session is additional to the Congress registration fee	Clinical
10:45	12:45	Session	Integrated care for patients with pulmonary vascular disease, lung diseases and heart failure A joint ERS/ESC/Heart Failure Association session		Clinical
10:45	12:45	Symposium	State of the art session: Respiratory infections Practical update in respiratory infections		Clinical
10:45	12:45	Symposium	Respiratory medicine meets hematology		Clinical
10:45	12:45	Symposium	Infectious agents and childhood asthma Implications for prevention and treatment		Clinical
10:45	12:45	Year in review	Clinical Year in Review		Clinical
11:00	13:00	Professional development	PDW5 Teamability: become an effective team leader and member	Registration for this session is additional to the Congress registration fee	
13:15	14:30	Industry Practical Workshops	More information on related section		
13:00	14:30	Lunchtime session	New biologics for asthma: which patients, what agents, what results, at what cost?		Clinical
13:00	14:00	Meet the expert	ME5 Lung cancer screening Where we are and how to implement	Registration for this session is additional to the Congress registration fee	Clinical

AIRWAY DISEASES

INTERSTITIAL LUNG DISEASE

PAEDIATRIC RESPIRATORY DISEASES

PULMONARY VASCULAR DISEASES

RESPIRATORY CRITICAL CARE

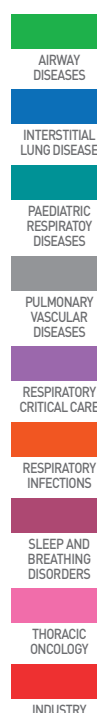
RESPIRATORY INFECTIONS

SLEEP AND BREATHING DISORDERS

THORACIC ONCOLOGY

INDUSTRY

13:00	14:00	Meet the expert	ME6 Control of breathing - hypoventilation during sleep, exercise and dyspnoea Ondine's curse syndrome	Registration for this session is additional to the Congress registration fee	Translational
13:00	14:00	Meet the expert	ME7 Monitoring of home mechanical ventilation in neuromuscular disorders	Registration for this session is additional to the Congress registration fee	Clinical
13:00	14:00	Meet the expert	ME8 Diagnosing bronchiectasis and cystic fibrosis	Registration for this session is additional to the Congress registration fee	Clinical
13:15	14:15	Meet the expert	ME14 Bronchiolitis obliterans syndrome in immunodepressed patients	Registration for this session is additional to the Congress registration fee	Clinical
14:30	17:00	Professional development	PDW6 Supporting patients with behaviour change strategies Engagement of patients in healthy behaviours	Registration for this session is additional to the Congress registration fee	Clinical
14:30	16:50	Skills workshop	SW9 Cardiopulmonary exercise test interpretation - tips and pitfalls Tips and pitfalls in cardiopulmonary exercise testing assessment	Registration for this session is additional to the Congress registration fee	Clinical
14:30	16:50	Skills workshop	SW12 Thoracic ultrasound	Registration for this session is additional to the Congress registration fee	Clinical
14:45	16:45	Session	Microorganisms and lung ecology: living in peace with bugs		Translational
14:45	16:45	Session	The best of European Respiratory Journal in 2018		Clinical
14:45	16:45	Symposium	Microbiomes in respiratory disease Role of local and systemic microbiomes and the potential for manipulation		Basic science
14:45	16:45	Symposium	Advances in community-acquired pneumonia management		Clinical
14:45	16:45	Symposium	Imaging chronic lung diseases - moving from structure to function Lung imaging		Clinical
15:00	16:00	Educational forum	Ensuring impactful independent education CPD and lifelong learning		Translational
17:15	19:15	Industry evening sessions	More information on related section		



TUESDAY 18 SEPTEMBER 2018

07:00	08:15	Challenging clinical cases	CC6 Interstitial lung diseases		Clinical
07:00	08:15	Challenging clinical cases	CC7 Severe asthma		Clinical
07:00	08:15	Challenging clinical cases	CC8 Non-resolving pneumonia		Clinical
08:30	10:30	Session	Pulmonary endoscopy Lung cancer and the pleura diseases		
08:30	12:00	Skills workshop	SW19 Clinical interpretation of spirometry results	Registration for this session is additional to the Congress registration fee	Clinical
08:30	10:30	Symposium	Proteases: at the cutting edge of lung disease		Translational
08:30	10:30	Symposium	Accelerated ageing in lungs The key to chronic lung disease and comorbidities		Basic science
08:30	10:30	Symposium	Prenatal origins of respiratory and atopic disorders Epidemiological and experimental evidence		Translational
08:30	10:30	Symposium	State of the art session: Respiratory critical care Mechanical ventilation and beyond in acute and chronic respiratory failure		Clinical
10:40	13:00	Skills workshop	SW14 Radiological-pathological correlations in different lung diseases for clinicians	Registration for this session is additional to the Congress registration fee	Clinical
10:40	13:00	Skills workshop	SW17 Essential skills for the intensive care unit	Registration for this session is additional to the Congress registration fee	Clinical
10:45	12:45	Session	Pulmonary endoscopy Interstitial lung and obstructive diseases		
10:45	12:45	Symposium	It's my favourite cell that affects your asthma Asthma phenotyping and endotyping		Translational
10:45	12:45	Symposium	Recent advances in primary ciliary dyskinesia		Clinical
10:45	12:45	Symposium	Fungal infection in the intensive care unit		Clinical
10:45	12:45	Year in review	Scientific Year in Review Lung cancer development and response to treatment: the role of chronic lung inflammation and the microbiome		Translational
13:15	14:30	Industry Practical Workshops	More information on related section		
13:00	14:30	Lunchtime session	Bronchiectasis: new insights into diagnosis and treatment		Clinical
13:00	14:00	Meet the expert	ME9 Cryobiopsy in interstitial lung disease	Registration for this session is additional to the Congress registration fee	Clinical
13:00	14:00	Meet the expert	ME10 Pulmonary arterial hypertension: treatment options Current strategies and future perspectives	Registration for this session is additional to the Congress registration fee	Clinical
13:00	14:00	Meet the expert	ME11 Management of severe asthma in children	Registration for this session is additional to the Congress registration fee	Clinical
13:00	14:00	Meet the expert	ME12 Immunotherapies for lung cancer New diagnostic and therapeutic options	Registration for this session is additional to the Congress registration fee	Clinical
13:15	14:15	Meet the expert	ME13 Management of pulmonary and critical care disease during pregnancy	Registration for this session is additional to the Congress registration fee	Clinical
13:30	17:00	Skills workshop	SW20 Clinical interpretation of spirometry results	Registration for this session is additional to the Congress registration fee	Clinical

AIRWAY DISEASES

INTERSTITIAL LUNG DISEASE

PAEDIATRIC RESPIRATORY DISEASES

PULMONARY VASCULAR DISEASES

RESPIRATORY CRITICAL CARE

RESPIRATORY INFECTIONS

SLEEP AND BREATHING DISORDERS

THORACIC ONCOLOGY

INDUSTRY

14:30	16:50	Skills workshop	SW15 Radiological-pathological correlations in different lung diseases for clinicians	Registration for this session is additional to the Congress registration fee	Clinical
14:30	16:50	Skills workshop	SW18 Essential skills for the intensive care unit	Registration for this session is additional to the Congress registration fee	Clinical
14:45	16:45	Grand round	Clinical Grand Round Diffuse parenchymal lung diseases		Clinical
14:45	16:45	Session	Early Career Member: career and opportunities (preliminary title)		
14:45	16:45	Symposium	The digital *evolution in respiratory medicine: a personalised approach? Integration of m-health and e-health		Clinical
14:45	16:45	Symposium	Lung cancer screening and management of solitary pulmonary nodules Developing a joint and multidisciplinary approach		Clinical
14:45	16:45	Symposium	State of the art session: Interstitial lung diseases		Clinical
17:15	19:15	Industry evening sessions	More information on related section		

AIRWAY DISEASES

INTERSTITIAL LUNG DISEASE

PAEDIATRIC RESPIRATORY DISEASES

PULMONARY VASCULAR DISEASES

RESPIRATORY CRITICAL CARE

RESPIRATORY INFECTIONS

SLEEP AND BREATHING DISORDERS

THORACIC ONCOLOGY

INDUSTRY

WEDNESDAY 19 SEPTEMBER 2018

08:30	10:30	Symposium	Antimicrobial host defence and innate immunity in the lung		Translational
08:30	10:30	Symposium	State of the art session: Paediatric respiratory diseases		Clinical
08:30	10:30	Symposium	Respiratory medicine meets rheumatology		Clinical
10:45	12:45	Symposium	Palliative care specific for respiratory diseases		Clinical
10:45	12:45	Symposium	Endoscopic solutions for obstructive lung diseases Endoscopic solutions for obstructive lung diseases		Clinical
10:45	12:45	Symposium	The asthma-allergy “family” Relationships within and beyond the lungs		Translational
10:45	12:45	Symposium	Effects of smoking on asthma Effects of smoking cessation on asthma immunology and outcomes		Clinical

AIRWAY
DISEASESINTERSTITIAL
LUNG DISEASEPAEDIATRIC
RESPIRATORY
DISEASESPULMONARY
VASCULAR
DISEASESRESPIRATORY
CRITICAL CARERESPIRATORY
INFECTIONSSLEEP AND
BREATHING
DISORDERSTHORACIC
ONCOLOGY

INDUSTRY



INDUSTRY SPONSORED SESSIONS

DISCLAIMER: THE PRACTICAL WORKSHOPS, EVENING SYMPOSIA, EVENING MINI-SYMPOSIA, EVENING EXPERT FORUM SESSIONS AND EARLY MORNING SYMPOSIA ARE ORGANISED BY INDUSTRY. YOU CANNOT CLAIM CME CREDITS FOR ATTENDING THESE SESSIONS.

INDUSTRY SPONSORED SESSIONS WORKSHOPS

SUNDAY 16 SEPTEMBER 2018

START	END	TYPE	SESSION TITLE	ORGANISED BY
13:15	14:30	Industry Practical Workshop	Interventional Pulmonologist, the toolkit you need	<i>Boston Scientific</i>
13:15	14:30	Industry Practical Workshop	Reading between the guidelines: the use of biomarkers in asthma management today	<i>Circassia</i>
13:15	14:30	Industry Practical Workshop	Flexible and Rigid Bronchoscopy in Adults	<i>Karl Storz</i>
13:15	14:30	Industry Practical Workshop		<i>NDD Medizintechnik</i>
13:15	14:30	Industry Practical Workshop	Expiratory Flow Limitation - What it is, Why it matters, and What can be done	<i>Philips</i>
13:15	14:30	Industry Practical Workshop	Connected health & big data in Sleep – innovative usage and future outlook	<i>ResMed</i>
13:15	14:30	Industry Practical Workshop	Home NIV	<i>ResMed</i>
17:15	19:15	Industry Evening Symposium	COPD Patients and Doctors: Travelling in the same direction?	<i>A.Menarini</i>
17:15	19:15	Industry Evening Symposium	Achieve more – Taking an evidence-based approach to PAH management	<i>Actelion</i>
17:15	19:15	Industry Evening Symposium	Update on Severe Eosinophilic Asthma: Decision Making in Clinical Practice	<i>AstraZeneca</i>
17:15	19:15	Industry Evening Symposium	Managing multiple outcomes in COPD: Blending data with patient priorities	<i>Boehringer Ingelheim Pharma</i>
17:15	19:15	Industry Evening Symposium	Bridging the gap between research and clinical practice – where next in IPF?	<i>F. Hoffmann - La Roche</i>
17:15	19:15	Industry Evening Symposium	Effectiveness trials: evolution from standard randomized controlled trials (RCTs)?	<i>GlaxoSmithKline</i>
17:15	19:15	Industry Evening Symposium	A new breath-triggered inhaler for asthma: delivering innovation through design	<i>Mundipharma International</i>
17:15	19:15	Industry Evening Symposium	Getting to the 'heart' of COPD management: time for personalization?	<i>Novartis</i>
17:15	19:15	Industry Evening Symposium	Discovering asthma paradigms in an evolving landscape: Experts Perspectives	<i>Sanofi and Regeneron Pharmaceuticals</i>
17:30	19:00	Industry Evening Mini-Symposium		<i>CSA Medical Inc</i>
17:30	19:00	Industry Evening Mini-Symposium	Advances in Genetic COPD: Implementation of AATD Research Findings in Clinical Practice	<i>Grifols</i>
17:30	19:00	Industry Evening Mini-Symposium		<i>Pfizer</i>
17:30	19:00	Industry Evening Mini-Symposium	Discover New Dimensions in Interventional Pulmonology	<i>Olympus</i>

MONDAY 17 SEPTEMBER 2018

START	END	TYPE	SESSION TITLE	ORGANISED BY
07:00	08:15	Industry Early Morning Symposium	Patients as partners in drug development	<i>GlaxoSmithKline</i>
07:00	08:15	Industry Early Morning Symposium	Type 2 Inflammation and the Evolving Profile of Uncontrolled Persistent Asthma	<i>Sanofi and Regeneron Pharmaceuticals</i>
13:15	14:30	Industry Practical Workshop	Endobronchial and Pleural Ultrasound Workshop	<i>Fujifilm</i>
13:15	14:30	Industry Practical Workshop	Experience New Dimensions in Interventional Pulmonology	<i>Olympus</i>
13:15	14:30	Industry Practical Workshop	Expiratory Flow Limitation - What it is, Why it matters, and What can be done	<i>Philips</i>
13:15	14:30	Industry Practical Workshop	How to set up the new mouthpiece ventilation mode	<i>Resmed</i>
13:15	14:30	Industry Practical Workshop		<i>Resmed</i>
13:15	14:30	Industry Practical Workshop	Transcutaneous PCO2 monitoring in clinical daily practice	<i>SenTec</i>
17:15	19:15	Industry Evening Symposium	Aiming for Optimal Asthma Care: A Metamorphosis	<i>AstraZeneca</i>

INDUSTRY SPONSORED SESSIONS WORKSHOPS

17:15	19:15	Industry Evening Symposium	FOCUS: Forum for reducing Oral Corticosteroid Use in Severe asthma	<i>AstraZeneca</i>
17:15	19:15	Industry Evening Symposium	Fibrosing Interstitial Lung Diseases: Translating Recent Learnings Into Future Directions	<i>Boehringer Ingelheim Pharma</i>
17:15	19:15	Industry Evening Symposium	Early management of asthma to prevent adverse outcomes – different management strategies depending on age group	<i>Boehringer Ingelheim Pharma</i>
17:15	19:15	Industry Evening Symposium	Current COPD treatment paradigm and evidence - What are the unanswered questions and the clinical implications?	<i>GlaxoSmithKline</i>
17:15	19:15	Industry Evening Symposium	The asthma patient journey: what more can be done?	<i>Novartis</i>
17:30	19:00	Industry Evening Mini-Symposium	Focusing on the patient – future prospects in Alpha 1 management	<i>CSL Behring</i>
17:30	19:00	Industry Evening Mini-Symposium	Bronchiectasis: from Guidelines to Clinical Practice	<i>Grifols</i>
17:30	19:00	Industry Evening Mini-Symposium	How important is early action in Pulmonary Arterial Hypertension?	<i>GlaxoSmithKline</i>
17:30	19:00	Industry Evening Mini-Symposium	Targeted Lung Denervation (TLD)- A One-Time Treatment for COPD and Asthma	<i>Nuvaira</i>
17:30	19:00	Industry Evening Mini-Symposium		<i>Omron</i>
17:30	19:00	Industry Evening Mini-Symposium	Back to basics in asthma and COPD: optimizing the patient journey	<i>Orion Corporation & A. Menarini</i>
17:30	19:00	Industry Evening Mini-Symposium		<i>Pulmonx</i>

TUESDAY 18 SEPTEMBER 2018

START	END	TYPE	SESSION TITLE	ORGANISED BY
13:15	14:30	Industry Practical Workshop	Transbronchial cryobiopsy	<i>Erbe</i>
13:15	14:30	Industry Practical Workshop	Humidified nasal high flow for respiratory support in the chronic setting	<i>Fisher & Paykel</i>
13:15	14:30	Industry Practical Workshop	Endobronchial and Pleural Ultrasound Workshop	<i>Fujifilm</i>
13:15	14:30	Industry Practical Workshop	Medical Thoracoscopy	<i>Karl Storz</i>
13:15	14:30	Industry Practical Workshop	Advances in respiratory care: Endobronchial ablation and Lung Volume Reduction	<i>Medtronic</i>
13:15	14:30	Industry Practical Workshop	Innovation in Airway Clearance: Discover the direct action of the Simeox technology on mucus rheology and the clinical impact on bronchial drainage	<i>Physio Assist</i>
13:15	14:30	Industry Practical Workshop	Portable PAP treatment 2.0: innovative technologies and connected care	<i>ResMed</i>
17:15	19:15	Industry Evening Symposium	Inflammation and Treatable Traits in COPD: How to Reconcile Strategy and Practice	<i>AstraZeneca</i>
17:15	19:15	Industry Evening Symposium	Priorities and preferences: Does inhaler choice make a difference in COPD?	<i>Boehringer Ingelheim Pharma</i>
17:15	19:15	Industry Evening Symposium	Leaving a mark - Innovation Footprints in Respiratory Care	<i>Chiesi</i>
17:15	19:15	Industry Evening Symposium	Anti-IL5 treatment options for the severe eosinophilic asthma patient - Are they all the same?	<i>GlaxoSmithKline</i>
17:30	19:00	Industry Evening Expert Forum	Controversies in NTM lung disease - an interactive case discussion	<i>Insmed</i>
17:30	19:00	Industry Evening Expert Forum	Protection of patients with chronic respiratory diseases and other comorbid conditions against pneumonia: changing paradigms.	<i>Pfizer</i>
17:30	19:00	Industry Evening Mini-Symposium	Novelties in ICS nebulization treatments	<i>AstraZeneca</i>
17:30	19:00	Industry Evening Mini-Symposium	The Next Step in Disease Management from an Interventional Pulmonology Perspective: Focusing on Lung Nodules and Emphysema	<i>Broncus</i>

≡ PROGRAMME

This information was up-to-date on 17.07.2018

09:30 - 10:30

Public: Press conference and opening of Healthy Lungs for Life Paris - city centre

08:30 - 11:00

Language session: Chinese Programme 2018: Part I
a joint ERS / CTS session

Aims : The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine. The session will offer an overview on respiratory viral infectious disease, Pulmonary and Critical Care Medicine, HAP/VAP and non invasive ventilation in Europe and China.

Tag(s) : Clinical

Chairs : Thierry Troosters (Leuven, Belgium), Andrew Bush (London, United Kingdom), Rong-Chang Chen (Guangzhou (Guangdong), China)

08:30 **Update on management of new emerging acute respiratory viral infectious diseases**
Nanshan Zhong (Guangzhou (Guangdong), China)

09:00 **The role of chronic infection in respiratory diseases**
Eva Polverino (Barcelona, Spain)

09:30 **Establishment of PCCM training system in China**
Chen Wang (Beijing, China)

10:00 **School interventions to improve asthma control**
Jonathan Grigg (London, United Kingdom)

10:30 **Break**

09:00 - 17:30

Professional development: PDW1 Spirometry training programme: become a programme organiser

Aims : To provide participants with the knowledge and tools to teach high quality spirometry, specifically to those participants who would like to train and certify participants for the European Spirometry Driving Licence Parts 1 and 2 within Europe.

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Lung function technologist, Nurse, General practitioner

Chairs : Felip Burgos Rincon (Barcelona, Spain), Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

09:00 **Arrival and poster viewing: all faculty**

09:30 **Welcome and ice-breaker**
Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)

10:00 **Introduction and overview of the spirometry training programme**
Felip Burgos Rincon (Barcelona, Spain), Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

10:20 **Presentation and facilitation skills**
Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)

11:00 **Coffee break**

11:20 **Presentation activities**
Vera Habes (Utrecht, Netherlands), Odile Van Eck (Waalre, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom)

12:30 **Learning styles and overcoming resistance**
Vera Habes (Utrecht, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)

13:00 **Lunch**

13:45 **Organising a European spirometry training programme**
Felip Burgos Rincon (Barcelona, Spain)

14:15 **Providing effective feedback**
Tiuri van Rossum (Maastricht, Netherlands)

15:15 **Break**

16:15 Assessment of practical skills
Vera Habes (Utrecht, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)

16:45 Final questions and summary of the day
Vera Habes (Utrecht, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Odile Van Eck (Waalre, Netherlands), Tiuri van Rossum (Maastricht, Netherlands), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Felip Burgos Rincon (Barcelona, Spain)

09:00 - 11:00

Language session: Russian Speaking Programme 2018: Part I Rare pulmonary diseases: cystic fibrosis and lymphangioleiomyomatosis

Aims : To describe different aspects of cystic fibrosis (CF) and lymphangioleiomyomatosis (LAM). These rare diseases are among the most difficult conditions in respiratory medicine in terms of their diagnosis and management.

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Elena Amelina (Moscow, Russian Federation), Isabelle Sermet-Gaudelus (Paris, France)

09:00 An assay of CF transmembrane conductance regulator function that uses primary CF intestinal organoids: shared experiences with the Russian CF centre
Jeffrey M. Beekman (Utrecht, Netherlands)

09:25 Collaboration between the Russian National CF Patient Registry and the European CF Society Patient Registry
Elena Amelina (Moscow, Russian Federation)

09:50 Specific features of spectrum and frequency of CFTR mutations in ethnically different populations of the Russian Federation
Nataliya Kashirskaya (Moscow, Russian Federation)

10:15 CF: pathogenesis treatment strategies
Isabelle Sermet-Gaudelus (Paris, France)

10:40 Break

09:30 - 13:00

Postgraduate course: PG4 Imaging of the chest A concise overview

Aims : To provide a review of the various patterns on (high-resolution) computed tomography (CT) chest, of positron emission tomography (PET)/CT, of magnetic resonance imaging (MRI) as well as ultrasound in imaging of various lung diseases; and to provide basic guidelines for the differential diagnosis of and an algorithmic approach to various lung and pleura pathologies on the basis of clinical history and distribution as well as the presence of associated abnormalities.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Respiratory intensive care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Pathologist, Physiologist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Laura Fregonese (London, United Kingdom), Aleksandar Grgic (Homburg, Germany)

09:30 CT and interstitial lung disease
Sara Piciucchi (Forlì, Italy)

10:00 Group assignment
Sara Piciucchi (Forlì, Italy)

10:15 PET/CT of lung cancer
Aleksandar Grgic (Homburg, Germany)

10:45 Group assignment
Aleksandar Grgic (Homburg, Germany)

11:00	Break
11:30	Role of MRI in thoracic imaging Helmut Prosch (Vienna, Austria)
12:00	Group assignment Helmut Prosch (Vienna, Austria)
12:15	Imaging of the pleura - how can thoracic ultrasound, CT and PET assist the chest physician Rahul Bhatnagar (Bristol, United Kingdom)
12:45	Group assignment Rahul Bhatnagar (Bristol, United Kingdom)

09:30 - 17:30

Postgraduate course: PG2 Thoracic ultrasound

Enhance your sonography practice beyond identification of pleural fluid

Aims : to provide a solid theoretical framework for physicians wishing to develop their ultrasound skills; to encourage evidence-based practice where possible; to highlight the utility of thoracic ultrasound beyond identification of pleural fluid, including assessment of other thoracic structures; to show that, after suitable training, physicians can safely perform thoracic interventions (including image-guided pleural biopsies); and to provide a solid background for the thoracic ultrasound educational skills workshop.

Disease(s) : Respiratory critical care Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Nurse, Physiologist, Radiologist, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Silvia Mongodi (Pavia, Italy), Peter I. Bonta (Amsterdam, Netherlands)

09:30	The physics of ultrasound John Wrightson (Oxford, United Kingdom)
10:00	Thoracic ultrasound artefacts Valentina Pinelli (Brescia (BS), Italy)
10:30	Assessment of parenchymal abnormalities Christian B. Laursen (Odense, Denmark)
11:00	Break
11:30	Pneumothorax John Corcoran (Oxford, United Kingdom)
12:00	Group assignment John Wrightson (Oxford, United Kingdom), Valentina Pinelli (Brescia (BS), Italy), Christian B. Laursen (Odense, Denmark), John Corcoran (Oxford, United Kingdom)
13:00	Lunch
14:00	Pleural effusions and thickening Najib M. Rahman (Oxford, United Kingdom)
14:30	Basic echocardiography, vascular structures and volume status Peter Juhl-Olsen (Aarhus N, Denmark)
15:00	Diaphragm assessment John Wrightson (Oxford, United Kingdom)
15:30	Break
16:00	Advanced interventions Ioannis Psallidas (Oxford, United Kingdom)
16:30	Group assignment Najib M. Rahman (Oxford, United Kingdom), Peter Juhl-Olsen (Aarhus N, Denmark), John Wrightson (Oxford, United Kingdom), Ioannis Psallidas (Oxford, United Kingdom)

09:30 - 13:00

Postgraduate course: PG5 Noninvasive ventilation - pitfalls and challenges

Aims : to highlight the problems in acute and chronic noninvasive ventilation (NIV) that lead to poor compliance and ineffective treatment, and to offer strategies that can overcome these issues.

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Nurse, Patient, Trainee, Adult pulmonologist/Clinician

Chairs : Jan Storre (Gauting, Germany), Federico Longhini (Borgomanero, Italy), Nicholas Hart (London, United Kingdom)

09:30 **Problems and non-adherence to NIV in intensive care**
Nicholas Hart (London, United Kingdom)

10:00 **The mask and beyond - other technical issues**
Dominic Dellweg (Schmallenberg Grafschaft, Germany)

10:30 **Group assignment**
Nicholas Hart (London, United Kingdom), Dominic Dellweg (Schmallenberg Grafschaft, Germany)

11:00 **Break**

11:30 **Problems related to pressure levels and what to do**
Patrick B. Murphy (Oxted (Surrey), United Kingdom)

12:00 **Poor compliance in chronic care - not only the mask issue**
Marieke L. Duiverman (Groningen, Netherlands)

12:30 **Group assignment**
Patrick B. Murphy (Oxted (Surrey), United Kingdom), Marieke L. Duiverman (Groningen, Netherlands)

09:30 - 13:00

Postgraduate course: PG6 Bronchoscopy in pulmonary emergencies

Aims : to describe the clinical applications and risks of bronchoscopy in the main pulmonary emergencies, both inside and outside the intensive care unit.

Disease(s) : Interstitial lung diseases Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Adult pulmonologist/Clinician

Chairs : Lieuwe Bos (Amsterdam, Netherlands), Maren Schuhmann (Heidelberg, Germany)

09:30 **Bronchoscopic strategies in life-threatening bleeding**
Prashant Nemichand Chhajed (Mumbai, India)

10:00 **Bronchoscopy as a guide to managing difficult airways in the intensive care unit**
Massimiliano Sorbello (Catania, Italy)

10:30 **Usefulness of bronchoscopy in acute interstitial lung diseases**
Katerina Antoniou (Heraklion, Greece)

11:00 **Break**

11:30 **Pitfalls of bronchoscopy in non-ventilated patients**
Raffaele Scala (Arezzo, Italy)

12:00 **Group assignment**
Prashant Nemichand Chhajed (Mumbai, India), Massimiliano Sorbello (Catania, Italy), Raffaele Scala (Arezzo, Italy), Katerina Antoniou (Heraklion, Greece)

09:30 - 13:00

Postgraduate course: PG7 Sleep-disordered breathing - diagnosis and therapy

Aims : to increase awareness of the different clinical entities that relate to sleep-disordered breathing and the tools that can be used to screen for and diagnose sleep-disordered breathing; and to provide insights into the consequences of sleep-disordered breathing and its treatment modalities.

Disease(s) : Sleep and breathing disorders**Tag(s) :** Clinical**Target audience :** General practitioner, Lung function technologist, Adult pulmonologist/Clinician, Scientist (basic, translational), Trainee**Chairs :** Juan Fernando Masa Jiménez (Cáceres, Spain), Winfried J. Randerath (Solingen, Germany)**09:30** **Diagnosis and treatment of sleep-disordered breathing - the patient's point of view**
Piet-Heijn van Mechelen (Heemstede, Netherlands)**09:45** **Diagnosis of sleep-related breathing disorders and definition of hypopnoea and obstructive sleep apnoea severity**
Sophia E. Schiza (Heraklion, Greece)**10:11** **Group assignment**
Sophia E. Schiza (Heraklion, Greece)**10:26** **Sleep apnoea and hypoventilation syndromes - cardiometabolic consequences**
Dries Testelmans (Leuven, Belgium)**10:52** **Group assignment**
Dries Testelmans (Leuven, Belgium)**11:07** **Break****11:37** **Sleep apnoea - management and therapies**
Jean-Louis Pépin (Grenoble, France)**12:03** **Group assignment**
Jean-Louis Pépin (Grenoble, France)**12:18** **Hypoventilation syndromes - management and therapies**
Jean Christian Borel (Meylan, France)**12:44** **Group assignment**
Jean Christian Borel (Meylan, France)**09:30 - 17:30****Postgraduate course: PG1 Asthma and chronic obstructive pulmonary disease****Aims :** to discuss the problems associated with chronic obstructive lung diseases (COPDs) based on experience and the published literature.**Disease(s) :** Airway diseases**Method(s) :** Physiology**Tag(s) :** Clinical**Target audience :** Allergist, General practitioner, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Karin C. Lodrup Carlsen (Oslo, Norway), Pierre-Régis Burgel (Sorbonne Paris Cité, France)**09:30** **Defining asthma and COPD: differential diagnosis**
Anne Lindberg (Boden, Sweden)**10:00** **Monitoring asthma - state-of-the-art physiological, imaging and biomarker assessments**
Omar S. Usmani (London, United Kingdom)**10:30** **Monitoring COPD - state-of-the-art physiological, imaging and biomarker assessments**
Roland Buhl (Mainz, Germany)**11:00** **Break****11:30** **Group assignment**
Anne Lindberg (Boden, Sweden), Omar S. Usmani (London, United Kingdom), Roland Buhl (Mainz, Germany)**12:30** **Asthma phenotypes and endotypes**
Michael Peters (San Francisco, United States of America)**13:00** **Lunch**

14:00	COPD phenotypes and endotypes Alberto Papi (Ferrara, Italy)
14:30	Group assignment Alberto Papi (Ferrara, Italy), Michael Peters (San Francisco, United States of America)
15:15	Break
15:45	Exacerbations of asthma and treatment Renaud Louis (Liège, Belgium)
16:15	Exacerbations of COPD and treatment Norbert Krug (Hannover, Germany)
16:45	Group assignment Norbert Krug (Hannover, Germany), Renaud Louis (Liège, Belgium)

09:30 - 13:00

Postgraduate course: PG8 Lung function testing

Techniques, performance and implications for lung disease

Aims : to provide an update on the current techniques for measuring lung physiology. The results of these techniques and their implications in terms of lung disease will be discussed as well as how these techniques are performed.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Aisling McGowan (Dublin, Ireland), Andrea Aliverti (Milan, Italy)

09:30	Spirometry and body plethysmography Bruce Thompson (Melbourne, Australia)
10:00	Group assignment Bruce Thompson (Melbourne, Australia)
10:15	Forced oscillation technique Zoltán Hantos (Deszk, Hungary)
10:45	Group assignment Zoltán Hantos (Deszk, Hungary)
11:00	Break
11:30	Multi-breath washout Sylvia Verbanck (Brussels, Belgium)
12:00	Group assignment Sylvia Verbanck (Brussels, Belgium)
12:15	Exhaled nitric oxide Paolo Paredi (London, United Kingdom)
12:45	Group assignment Paolo Paredi (London, United Kingdom)

09:30 - 13:00

Postgraduate course: PG9 Chronic obstructive pulmonary disease exacerbations

Aims : to provide an update on chronic obstructive pulmonary disease (COPD) exacerbation phenotypes and the prospects for personalised treatment.

Disease(s) : Airway diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Patient, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Jadwiga Wedzicha (London, United Kingdom), Alexander Mathioudakis (Manchester, United Kingdom)**09:30 COPD exacerbation - the search for a respiratory “troponin”**
Wim Janssens (Leuven, Belgium)**10:00 Group assignment**
Wim Janssens (Leuven, Belgium)**10:15 Bacterial infection and COPD - cause or effect?**
Aran Singanayagam (London, United Kingdom)**10:45 Group assignment**
Aran Singanayagam (London, United Kingdom)**11:00 Break****11:30 It is more than just the common cold - the role of viruses in COPD exacerbations**
Anastasia Hutchinson (Melbourne, Australia)**12:00 Group assignment**
Anastasia Hutchinson (Melbourne, Australia)**12:15 Prevention and treatment of COPD exacerbations**
Maarten van den Berge (Groningen, Netherlands)**12:45 Group assignment**
Maarten van den Berge (Groningen, Netherlands)**09:30 - 13:00****Postgraduate course: PG10 Cystic fibrosis: Basic defects and clinical problems in children****Aims :** to update both paediatric and adult professionals involved in cystic fibrosis (CF) care on the recent advances in many important aspects of CF in children; including screening, treatment, respiratory exacerbations and management of gastrointestinal problems in CF patients.**Disease(s) :** Paediatric respiratory diseases Respiratory infections**Method(s) :** Public health**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiotherapist, Trainee, Adult pulmonologist/Clinician**Chairs :** Nicolas Regamey (Lucerne, Switzerland), Lutz Naehrlich (Erlangen, Germany)**09:30 Newborn screening for cystic fibrosis - lessons from national programmes in Europe**
Jürg Barben (St. Gallen, Switzerland)**10:00 Cystic fibrosis microbiology, emerging pathogens and more treatment options**
Alan Smyth (Nottingham (Nottinghamshire), United Kingdom)**10:30 Group assignment**
Jürg Barben (St. Gallen, Switzerland), Alan Smyth (Nottingham (Nottinghamshire), United Kingdom)**11:00 Break****11:30 Respiratory exacerbations - definitions and therapy**
Patrick Flume (Charleston, United States of America)**12:00 Update on gastrointestinal and nutritional issues**
Anne Munck (Paris, France)**12:30 Group assignment**
Patrick Flume (Charleston, United States of America), Anne Munck (Paris, France)

09:30 - 13:00

Postgraduate course: PG11 Modern approaches in lung cancer diagnostics and therapy

Aims : To provide a comprehensive update of modern lung cancer care standards illustrated with educational case reports and rewarding group tasks

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Physiology Pulmonary function testing Surgery Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Pathologist, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Matthew Evison (Manchester, United Kingdom), Torsten Gerriet Blum (Berlin, Germany)

09:30 Multimodal imaging approaches in suspected and confirmed lung cancer
Johan Coolen (Leuven, Belgium)

10:00 Group assignment
Johan Coolen (Leuven, Belgium)

10:15 Modern molecular lung cancer diagnostics – how to use and interpret it wisely
Joanna Chorostowska-Wynimko (Warsaw, Poland)

10:45 Group assignment
Joanna Chorostowska-Wynimko (Warsaw, Poland)

11:00 Break

11:30 Innovative local therapies in lung cancer
Gilbert Massard (Strasbourg, France)

12:00 Group assignment
Gilbert Massard (Strasbourg, France)

12:15 Innovative systemic lung cancer therapies
Otto Chris Burghuber (Vienna, Austria)

12:45 Group assignment
Otto Chris Burghuber (Vienna, Austria)

09:30 - 17:30

Postgraduate course: PG3 How to plan for and manage a respiratory epidemic/pandemic
PREPARE EU-funded project, organised in conjunction with ECDC and ISARIC

Aims : To give the multidisciplinary team managing a respiratory epidemic or pandemic an educational update on the topic, tools for planning and management, and then enable them to participate in an escalating pandemic scenario to improve their skills and communication. To reflect on how plans can be individualised to participants' countries, and how management may change depending on the organism and population involved. To explore lessons learnt from the current influenza epidemic.

Disease(s) : Respiratory infections

Tag(s) : Clinical, Translational

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Pathologist, Patient, Policy maker, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Anita Simonds (London, United Kingdom), Pasi Penttinen (Stockholm, Sweden)

Break

09:30 Update on respiratory virus research and clinical care including influenza outbreak 2017-18, SARS, MERS and other respiratory pathogens
Pieter Fraaij (Rotterdam, Netherlands)

10:15 Intensive care aspects of pandemic management including research
Lennie P. G. Derde (Utrecht, Netherlands)

11:00 Break

11:15 Preparing a pandemic plan for your hospital
Pasi Penttinen (Stockholm, Sweden)

12:00	Communication skills when managing a pandemic Kajsa-Stina Longuère (Oxford (Oxfordshire), United Kingdom)
12:45	Lunch
13:30	How to research during an acute respiratory pandemic: incorporating patients into trial design and ethical aspects Nina Gobat (Cardiff, United Kingdom)
14:00	Practical exercise: respiratory pandemic scenario (ISARIC/ERS) Gail Carson (Oxford (Oxfordshire), United Kingdom), Pieter Fraaij (Rotterdam, Netherlands), Louise Sigfrid (Brighton (East Sussex), United Kingdom), Lennie P. G. Derde (Utrecht, Netherlands), Anita Simonds (London, United Kingdom)
17:00	Constructive feedback and lessons learned from scenario Gail Carson (Oxford (Oxfordshire), United Kingdom), Louise Sigfrid (Brighton (East Sussex), United Kingdom), Nina Gobat (Cardiff, United Kingdom), Anita Simonds (London, United Kingdom), Pieter Fraaij (Rotterdam, Netherlands)

09:30 - 11:30

Session: Primary Care Programme 2018: Part I

Getting the basics right: a new look at core issues (part I: a new look at healthcare for long-term conditions)

Aims : This primary care programme will take a new look at some of the core elements of the management of people with long-term respiratory disease.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Rianne van der Kleij (Leiden, Netherlands)

09:30	Primary healthcare that is fit for the 21st century David Darmon (Nice, France)
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10:00	Developing partnerships with patients Isabel Saraiva (Cascais, Portugal)
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10:15	A new look at asthma self-management Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)
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10:45	Improving the quality of the air we breathe Jeroen Douwes (Wellington, New Zealand)
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11:15	Break
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10:30 - 17:30

Patient: ELF Patient organisation networking day

11:30	Welcome to ERS Congress Speaker to be confirmed
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14:10	Medical education: presentation and discussion Speaker to be confirmed
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11:00 - 13:00

Language session: Chinese Programme 2018: Part II

a joint ERS / CTS session

Aims : The session will present and discuss the new advances in respiratory medicine presented by experienced speakers from the ERS leadership and Chinese leaders in respiratory medicine. The session will offer an overview on respiratory viral infectious disease, Pulmonary and Critical Care Medicine, HAP/VAP and non invasive ventilation in Europe and China.

Tag(s) : Clinical**Target audience :** Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Guy F Joos (Ghent, Belgium), Rong-Chang Chen (Guangzhou (Guangdong), China)**11:00** **The Chinese New Guideline on HAP/VAP**
Jieming Qu (Shanghai, China)**11:30** **HAP/VAP : new guidelines, new approaches**
Francesco Blasi (Milan, Italy)**12:00** **Recent advance in home noninvasive mechanical ventilation in China**
Rong-Chang Chen (Guangzhou (Guangdong), China)**12:30** **Is there still a role for NIV in acute hypoxemic failure?**
Leo M.A. Heunks (Amsterdam, Netherlands)**11:00 - 13:00****Language session: Russian Speaking Programme 2018: Part II****Rare pulmonary diseases: cystic fibrosis and lymphangioleiomyomatosis****Aims :** To describe different aspects of cystic fibrosis (CF) and lymphangioleiomyomatosis (LAM). These rare diseases are among the most difficult conditions in respiratory medicine in terms of their diagnosis and management.**Tag(s) :** Clinical**Chairs :** Elena Davidovskaya (, Belarus), Andrey Belevskiy (Moscow, Russian Federation)**11:00** **Modern concept of sporadic LAM pathogenesis**
Sergio Harari (Milano (MI), Italy)**11:30** **Clinical experience of LAM patients who were managed in the Russian Federation**
Alexander G. Chuchalin (Moscow, Russian Federation)**12:00** **Russian experiences in lung transplantation in CF and LAM patients**
Natalya Karchevskaya (Moscow, Russian Federation)**12:30** **Non-invasive diagnosis of lymphangioleiomyomatosis: new biomarkers**
Lisa Young (Nashville, United States of America)**11:30 - 13:00****Session: Primary Care Programme 2018: Part II****Getting the basics right: a new look at core issues (part II: a new look at the basics)****Aims :** This primary care programme will take a new look at some of the core elements of the management of people with long-term respiratory disease.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Policy maker, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Miguel Román Rodríguez (Palma De Mallorca, Spain), Rachel Jordan (Birmingham (West Midlands), United Kingdom)**11:30** **Increasing the accuracy of asthma diagnosis**
Luke Daines (Edinburgh (Edinburgh), United Kingdom)**12:00** **The challenge of new inhalers**
Janwillem W. H. Kocks (Groningen, Netherlands)**12:30** **Breathlessness and a practical strategy for relieving symptoms**
Mike Thomas (Southampton (Hampshire), United Kingdom)**13:00 - 16:00****HERMES examination: ERS HERMES Examinations in Adult and Paediatric Respiratory Medicine**

14:00 - 17:30

Postgraduate course: PG12 Interventional pulmonology

Aims : to discuss the major indications for diagnostic and therapeutic interventions in interventional pulmonology; and to present not only the rationale for the intervention, based on key study data, but also the actual performance and “tips and tricks” for daily practice.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, Pathologist, Patient, Thoracic oncologist, Trainee, Adult pulmonologist/Clinician

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Prashant Nemichand Chhajed (Mumbai, India)

14:00 Transthoracic ultrasound and thoracoscopy
Michela Bezzi (Firenze (FI), Italy)

14:30 Group assignment
Michela Bezzi (Firenze (FI), Italy)

14:45 Endosonography
Christophe Doods (Leuven, Belgium)

15:15 Group assignment
Christophe Doods (Leuven, Belgium)

15:30 Break

16:00 Endoscopic lung volume reduction
Dirk-Jan Slebos (Groningen, Netherlands)

16:30 Group assignment
Dirk-Jan Slebos (Groningen, Netherlands)

16:45 Cryobiopsy
Jürgen Hetzel (Tuebingen, Germany)

17:15 Group assignment
Jürgen Hetzel (Tuebingen, Germany)

14:00 - 17:30

Postgraduate course: PG15 Challenging issues in acute interstitial lung diseases

Aims : to describe the pathobiological basis, imaging features, diagnostic work-up and ventilatory and non-ventilatory therapeutic strategies in patients with acute interstitial lung diseases (ILDs) who are admitted to the intensive care unit.

Disease(s) : Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : António Morais (Maia, Portugal), Raffaele Scala (Arezzo, Italy)

14:00 Biological and pathological basis of acute ILDs
Philipp A. Schnabel (Homburg (Saar), Germany)

14:30 Group assignment
Philipp A. Schnabel (Homburg (Saar), Germany)

14:45 Imaging in acute ILDs
Gilbert R Ferretti (Grenoble, France)

15:15 Group assignment
Gilbert R Ferretti (Grenoble, France)

15:30 Break

16:00 Diagnostic work-up and treatment of patients with acute ILDs
Sara Tomassetti (Forli, Italy)

16:30 **Group assignment**
Sara Tomassetti (Forli, Italy)

16:45 **Mechanical ventilation and beyond in acute ILDs**
Philipp Lepper (Homburg (Saar), Germany)

17:15 **Group assignment**
Philipp Lepper (Homburg (Saar), Germany)

14:00 - 17:30

Postgraduate course: PG16 Advanced cardiopulmonary exercise testing

Cardiopulmonary exercise testing in health and respiratory disease

Aims : to understand the physiological constraints of exercise tolerance and its application in clinical practice; to appreciate the optimal methods for testing lung mechanics and spirometry; to understand the different formats of exercise tests, their advantages and disadvantages, and their different prognostic values in adults and children; and to appreciate the usefulness of exercise testing for evaluating pharmacological and non-pharmacological interventions in clinical practice.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Enrico Lombardi (Florence, Italy), Isabelle Vivodtzev (Cambridge, United States of America)

14:00 **Pulmonary gas exchange response to exercise in health and disease**
Paolo Palange (Rome, Italy)

14:30 **Respiratory mechanics and exertional dyspnoea in health and disease**
Denis O'Donnell (Kingston (ON), Canada)

15:00 **Group assignment**
Paolo Palange (Rome, Italy), Denis O'Donnell (Kingston (ON), Canada)

15:30 **Break**

16:00 **The prognostic role of cardiopulmonary exercise testing in disease**
Pierantonio Laveneziana (Paris Cedex 13, France)

16:30 **Exercise testing in children with respiratory diseases**
Tim Takken (Utrecht, Netherlands)

17:00 **Group assignment**
Pierantonio Laveneziana (Paris Cedex 13, France), Tim Takken (Utrecht, Netherlands)

14:00 - 17:30

Postgraduate course: PG17 Asthma phenotyping

Therapeutic implications

Aims : to present the innovations in asthma stratification that facilitate personalised therapeutic strategies; to highlight the importance of stratifying asthma patients for selecting the correct therapeutic approaches; to explain the importance of both clinical and biomarker assessment in patient stratification; and to indicate the value of molecular stratification for understanding disease-driving mechanisms and how this may translate to new therapies, particularly for non-Type 2 (T2) asthma.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Physiology

Tag(s) : Basic science

Target audience : Allergist, General practitioner, Lung function technologist, Pathologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Antonio Spanevello (Milan, Italy), Ian M. Adcock (London, United Kingdom)

14:00 **The need for asthma phenotyping**
Sejal Saglani (London, United Kingdom)

14:30 **Biomarker-high patients and steroid responsiveness**
Peter Gibson (Newcastle, Australia)

15:00	Group assignment Sejal Saglani (London, United Kingdom), Peter Gibson (Newcastle, Australia)
15:30	Break
16:00	Unbiased approaches to asthma stratification - the road to novel therapies Peter J. Sterk (Amsterdam, Netherlands)
16:30	Patient stratification and targeted drug therapy - T2 asthma and beyond Parameswaran Nair (Hamilton (ON), Canada)
17:00	Group assignment Peter J. Sterk (Amsterdam, Netherlands), Parameswaran Nair (Hamilton (ON), Canada)

14:00 - 17:30

Postgraduate course: PG18 Cystic fibrosis: management in adult patients

Aims : to update both paediatric and adult professionals involved in cystic fibrosis (CF) care on the recent advances in many important aspects of CF; to describe the latest knowledge about CF transmembrane conductance regulator (CFTR) dysfunction in CF and how this influences the different organs and leads to new treatments modalities; and to address the special needs caused by CF as an adult disease, namely, the transition of adolescents into adult care, fertility and end-of-life issues.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiotherapist, Trainee, Adult pulmonologist/Clinician

Chairs : Nicholas Simmonds (London, United Kingdom), Carsten Schwarz (Berlin, Germany)

14:00	The ageing cystic fibrosis patient Alex Horsley (Manchester, United Kingdom)
14:30	Caring for end-stage disease and lung transplantation Christian Benden (Zürich, Switzerland)
15:00	Group assignment Alex Horsley (Manchester, United Kingdom), Christian Benden (Zürich, Switzerland)
15:30	Break
16:00	CFTR dysfunction and its specific treatment Jane C. Davies (London, United Kingdom)
16:30	Fertility in adult cystic fibrosis Michal Shteinberg (Haifa, Israel)
17:00	Group assignment Jane C. Davies (London, United Kingdom), Michal Shteinberg (Haifa, Israel)

14:00 - 17:30

Postgraduate course: PG14 The evolving world of pulmonary rehabilitation

Aims : to provide a better understanding about the role of pulmonary rehabilitation in the integrated continuous care of patients with chronic lung disease who live in industrialised or developing countries; and to discuss in depth the most optimal pulmonary rehabilitation setting

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Lung function technologist, Nurse, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Samuel Vergès (Grenoble, France), Jana De Brandt (Diepenbeek, Belgium)

14:00	The clear evidence for pulmonary rehabilitation in chronic lung disease - a review of the most important randomised controlled trials Claire M. Nolan (London, United Kingdom)
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14:30	The optimal setting for pulmonary rehabilitation - inpatient vs. outpatient vs. home-based Alda Sofia Pires De Dias Marques (Aveiro, Portugal)
15:00	Group assignment Claire M. Nolan (London, United Kingdom), Alda Sofia Pires De Dias Marques (Aveiro, Portugal)
15:30	Break
16:00	The challenges associated with setting up pulmonary rehabilitation programmes in developing countries Rupert Jones (Milton Combe, United Kingdom)
16:30	Making pulmonary rehabilitation a part of an integrated respiratory care Emiel F. M. Wouters (Maastricht, Netherlands)
17:00	Group assignment Rupert Jones (Milton Combe, United Kingdom), Emiel F. M. Wouters (Maastricht, Netherlands)

14:00 - 17:30

Postgraduate course: PG13 Challenges in the treatment of tuberculosis

Aims : To help clinicians to confidently manage all tuberculosis patients with the aim of achieving tuberculosis elimination in Europe and elsewhere; to help clinicians treat tuberculosis in patients with whom failure of treatment or adherence could result in drug resistance; and to address concerns regarding heart rate-corrected QT interval (QTc) prolongation with current second-line drugs.

Disease(s) : Respiratory infections

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, Paediatrician, Trainee, Adult pulmonologist/Clinician

Chairs : Jan Heyckendorf (Hamburg, Germany), Raquel Duarte (Porto, Portugal)

14:00	Diagnosing and treating paediatric tuberculosis infections Folke Brinkmann (Hannover, Germany)
14:40	Treating multiple-drug resistant tuberculosis Lorenzo Guglielmetti (Paris, France)
15:10	Treating tuberculosis in patients with comorbidities Rob van Hest (Groningen, Netherlands)
15:40	Break
16:10	Treating acute complications and the severely ill patient with tuberculosis Guy Hagan (Solihull, United Kingdom)
16:40	Group assignment Folke Brinkmann (Hannover, Germany), Lorenzo Guglielmetti (Paris, France), Rob van Hest (Groningen, Netherlands), Guy Hagan (Solihull, United Kingdom)

14:00 - 17:30

Postgraduate course: PG19 Heart-lung interaction

What the chest physician has to know

Aims : to describe the diagnosis and treatment of heart failure and coronary artery disease; to delineate how lung disease hinders the diagnostic process, including physical examination, biomarkers, chest X ray and echocardiography; to discuss the duration of treatment following unprovoked pulmonary embolism, the need to pause anticoagulation before invasive procedures, and the management of bleeding given that new oral anticoagulation has changed, improved and complicated the treatment of acute and chronic pulmonary embolism.

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Patient, Physiologist, Scientist (basic, translational), Student, Trainee

Chairs : Lies Lahousse (Ghent, Belgium), Leonardo Michele Fabbri (Modena, Italy)

14:00	Chronic obstructive pulmonary disease - cardiovascular sequel of bronchodilation? Ian Stone (London, United Kingdom)
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14:30	Heart failure and coronary artery disease in lung disease Stefan Andreas (Immenhausen, Germany)
15:00	Group assignment Ian Stone (London, United Kingdom), Stefan Andreas (Immenhausen, Germany)
15:30	Break
16:00	Diagnosing pulmonary embolism in lung disease Horst Olschewski (Graz, Austria)
16:30	Anticoagulation in acute and chronic pulmonary embolism and atrial fibrillation Mareike Lankeit (Mainz, Germany)
17:00	Group assignment Horst Olschewski (Graz, Austria), Mareike Lankeit (Mainz, Germany)

14:00 - 16:00

Language session: Spanish and Portuguese Programme 2018: Part I
a joint ERS / ALAT / SBPT / SEPAR / SPP session

Aims : Human migration will be a defining feature of the present era. Migration is a complex phenomenon that shapes multiple economic, social and security aspects of our daily lives in this increasingly interconnected world. While some migration is driven by negative circumstances such as conflicts, persecution, environmental degradation and lack of security and opportunity, another key motivation is that it can significantly improve people's lives: after migrants from the poorest countries move to a developed country, their incomes improve by 15-fold and their child mortality rates drop by 16-fold. This has increased illegal migration to and the influx of refugees in developed countries. Consequently, illegal migration and refugees are increasingly being seen as high-priority policy issues by the public and many governments and throughout the world. With regard to public health, the referral populations of migrants and refugees often have high infectious disease burdens. Thus, the control of infectious diseases, in particular tuberculosis, in migrants should be a top priority for the foreseeable future. Note that the presentations will be conducted in Portuguese or Spanish and in English. Spanish/Portuguese and English versions of the slides will be projected simultaneously.

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Carlos Andres Jimenez Ruiz (Madrid, Spain), Gustavo Zabert (Neuquén, Argentina)

14:00	Tuberculosis in a migrating world Adrian Rendon (Monterrey, Mexico)
14:30	Drug-resistant tuberculosis in Europe Jose Antonio Caminero Luna (Las Palmas de Gran Canaria, Spain)
15:00	Panel discussion
15:30	Break

14:00 - 15:45

Language session: French Programme 2018: Part I
A joint ERS/SPLF session

Aims : To provide French-speaking delegates with state of the art updates on key topics in respiratory medicine. Note that the presentations will be conducted in French and French and English versions of the slides will be projected simultaneously.

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Physiologist, Scientist (basic, translational), Paediatrician, Pathologist, Student, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Nicolas Roche (Paris, France), Guy Brusselle (Ghent, Belgium)

14:00	Follow-up of resected bronchial carcinoma / Surveillance des cancers bronchiques opérés Virginie Westeel (Besançon, France)
14:26	Yield of cohorts in the bronchial diseases / Apport des cohortes dans la connaissance des maladies respiratoires/bronchiques Chantal Raheison-Semjen (Pessac, France)

14:52 **Asthma phenotypes in children: what is the impact at adult age? /**
Les phénotypes de l'asthme de l'enfant : quel impact à l'âge adulte ?
 Jocelyne Just (Paris, France)

15:18 **Big data applied to sleep /**
Les big-data appliqués au sommeil
 Jean-Louis Pépin (Grenoble, France)

15:45 - 17:30

Language session: French Programme 2018: Part II
A joint ERS/SPLF session

Aims : To provide French-speaking delegates with state of the art updates on key topics in respiratory medicine. Note that the presentations will be conducted in French and French and English versions of the slides will be projected simultaneously.

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Paediatrician, Pathologist, Physiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Anh Tuan Dinh-Xuan (Paris, France), Mina Gaga (Athens, Greece)

15:45 **Atmospheric air pollution: results from interventional studies /**
Pollution atmosphérique: les données des études interventionnelles
 Isabella Annesi Maesano (Paris, France)

16:11 **Thrombo-embolic pulmonary hypertension: which treatment should we choose? /**
Hypertension pulmonaire thrombo-embolique: quel traitement choisir ?
 Xavier Jais (Le Kremlin-Bicêtre, France)

16:37 **Smoking cessation and COPD /**
Sevrage tabagique et BPCO
 Myrna Waked (Beyrouth, Lebanon)

17:03 **Anti-tuberculosis drugs : what is new? /**
Nouveaux médicaments antituberculeux: quoi de neuf ?
 Giovanni Battista Migliori (Varese (VA), Italy)

16:00 - 17:30

Language session: Spanish and Portuguese Programme 2018: Part II
A joint ERS/ALAT/SBPT/SEPAR/SPP session

Aims : To describe ventilation strategies in neurovascular disease and the non-invasive ventilation network in Portugal. Note that the presentations will be conducted in Portuguese or Spanish, and in English, with dual projection of slides in either Spanish or Portuguese and English.

Tag(s) : Clinical

Chairs : Venceslau José Coelho Pinto Hespanhol (Porto, Portugal), Fernando Luiz Cavalcanti Lundgren (Recife (PE), Brazil)

16:00 **Mechanical ventilation in patients with neuromuscular diseases**
 Marcelo Alcântara Holanda (Fortaleza (CE), Brazil)

16:30 **The non-invasive ventilation network in Portugal**
 Maria José Araújo Cunha Guimarães (Palmeira – Stº Tirso, Portugal)

17:00 **Panel discussion**

17:00 - 19:00

Game Zone: GAME ZONE - TRAINING

07:00 - 08:15

Challenging clinical cases: CC1 Lung transplantation**Aims :** to discuss problems in the pre-transplant setting and post-transplant care based on real case reports where lung transplantation is challenging due to possible relative contraindications.**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery Transplantation**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, Nurse, Paediatrician, Pathologist, Physiotherapist, Radiologist, Scientist (basic, translational), Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Federica Meloni (Pavia (PV), Italy)**A patient with cystic fibrosis and Mycobacterium abscessus infection**
Christian Benden (Zürich, Switzerland)**A diagnosis of restrictive allograft syndrome is made - how to deal with this patient?**
Jens Gottlieb (Hannover, Germany)

07:00 - 08:15

Challenging clinical cases: CC2 Broad spectrum of chronic thromboembolic pulmonary hypertension**Aims :** to discuss the potential pitfalls associated with chronic thromboembolic pulmonary hypertension (CTEPH) differential diagnosis; to explain the increased complexity of the management, including the combination of the multiple therapeutical options currently available.**Disease(s) :** Pulmonary vascular diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Student, Trainee, Thoracic surgeon**Chairs :** Joanna Pepke-Zaba (Cambridge (Cambridgeshire), United Kingdom)**Not always what it seems - pitfalls on CTEPH diagnosis**
Nick Kim (La Jolla, United States of America)**Combining therapeutical options in CTEPH**
Eckhard Mayer (Bad Nauheim, Germany)**Primary pulmonary choriocarcinoma mimicking chronic thromboembolic pulmonary hypertension**
Tomás Pulido Zamudio (México D.F, Mexico)**Chronic Thromboembolic Pulmonary Hypertension related to ICD**
Margarida Baptista Duarte Barata (Lisboa, Portugal)**Treatment of Chronic Thromboembolic Pulmonary Hypertension: A new approach**
Margarida Baptista Duarte Barata (Lisboa, Portugal)

08:00 - 10:20

Skills workshop: SW4 Endoscopy**Hands-on workshop on endoscopic technologies****Aims :** to present and demonstrate the current and upcoming technologies in endoscopy.**Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Paediatrician, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician**Chairs :** Felix J.F. Herth (Heidelberg, Germany)**Introduction****Endobronchial valve placement**
Sebastian Fernandez Bussy (Santiago, Chile)

Paediatric bronchoscopy
Raffaella Nenna (Rome, Italy)

Cryobiopsy
Alexander Chen (St. Louis, United States of America)

Endobronchial ultrasound with transbronchial needle aspiration
Mark Krasnik (Hellerup, Denmark)

08:00 - 10:20

Skills workshop: SW1 Body plethysmography

Aims : to help attendees gain the technical expertise and physiological knowledge needed to perform full body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the system setup, quality control and calibration; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Nurse, Paediatrician, Physiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Jellien Makonga-Braaksma (Woudenberg, Netherlands)

Introduction

Calibration, quality control and system settings
Maureen P. Swanney (Christchurch, New Zealand)

Technical aspects of body plethysmography
Kevin De Soomer (Burcht, Belgium)

Standardisation of test performance
Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

Reporting and interpretation of case studies
Gilles Garcia (Le Kremlin-Bicêtre, France)

08:30 - 10:30

Symposium: Respiratory muscles at rest, during exercise and in the critically ill patient

Aims : to provide an update on the latest knowledge in the field about respiratory muscle dysfunction, evaluation and management; to discuss the potential respiratory muscle dysfunctions or adaptations in various pathological contexts; to present the respiratory muscle responses to exercise and their role in exercise limitations and symptoms; and to improve understanding of the effects of critical illness on respiratory muscle structure and function, the clinical consequences of respiratory muscle weakness and the potential therapeutic options for improving muscle function in chronic obstructive pulmonary disease (COPD).

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Imaging Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Nurse, Paediatrician, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Samuel Vergès (Grenoble, France), Nicolino Ambrosino (Livorno (LI), Italy)

08:30 Respiratory muscle dysfunction in COPD - update on causes and biological findings
Samuel Vergès (Grenoble, France)

09:00 Neural respiratory drive in respiratory disease patients
Caroline Jolley (London, United Kingdom)

09:30 The respiratory muscles in intensive care unit patients
Alexandre Demoule (Paris, France)

10:00 Respiratory muscles/mechanics and dyspnoea in disease - what kind of rehabilitation?
Rik Gosselink (Leuven, Belgium)

08:30 - 10:30

Symposium: Organoids and pluripotent stem cells**Disease modelling and drug testing**

Aims : to present and discuss (i) the methods by which gut and lung organoids can be cultured and their uses as disease models in translational research, (ii) the biological basis, methodological approaches and applications of Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR/Cas) gene editing, and (iii) the technical approaches targeting epigenetic mechanisms that can be used to reprogram gene expression.

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee

Chairs : Sabine Bartel (Borstel, Germany), Pieter S. Hiemstra (Leiden, Netherlands)

08:30 **Intestinal organoids as ex vivo models for personalised medicine in cystic fibrosis**
Jeffrey M. Beekman (Utrecht, Netherlands)

08:54 **The use of bronchospheres to study chronic lung diseases**
Melanie Konigshoff (Denver, United States of America)

09:18 **Genome modification with CRISPR/Cas**
Patrick Harrison (Cork, Ireland)

09:42 **The potential of epigenetic editing in chronic lung disease**
Marianne Rots (Groningen, Netherlands)

10:06 **Optimizing experimental research in respiratory diseases: an ERS Statement**
Martin Kolb (Hamilton (ON), Canada)

08:30 - 10:30

Symposium: State of the art session: Airways disease**update on clinical and translational studies**

Aims : This session will highlight the latest developments and controversies in airways disease. Four key areas will be covered that have provided critical new observations in the past year that will help to diagnose and treat subsets of patients with asthma and chronic obstructive pulmonary disease (COPD). The new observations range from novel ways of defining the mechanisms that underpin the disease in an individual patient by using the appropriate selective biomarkers (molecular phenotyping) to how this information can shape new targeted approaches to the treatment of asthma and COPD (biological agents in airways disease). The session will also cover the role of macrolides for treating severe asthma exacerbations and what this can reveal about disease mechanisms and how we can use blood biomarkers to identify the COPD patients who could benefit from current and novel therapies. At the end of this session, delegates will have the most up-to-date, clear and practical take-home knowledge relating to the diagnosis, treatment and prevention of severe asthma and COPD.

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Translational

Target audience : Allergist, Clinical researcher, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Ildikó Horváth (Budakeszi, Hungary), Antonio Spanevello (Milan, Italy)

08:30 **Molecular phenotyping of asthma comes of age**
Sally Wenzel (Pittsburgh, United States of America)

09:00 **Macrolides, inflammation and the lung microbiome: cause or effect?**
Peter Gibson (Newcastle, Australia)

09:30 **Are we really transforming asthma and COPD management with biologics?**
Nicola Hanania (Houston, United States of America)

10:00 **Eosinophils in COPD: do they predict drug response?**
Dave Singh (Manchester, United Kingdom)

08:30 - 10:30

Symposium: EUREST-PLUS: implementation of the tobacco control policy to reduce lung disease**The impact of tobacco control policies on respiratory health**

Aims : To present the findings of the EUREST-PLUS Horizon 2020 project. The aim of this project was to evaluate the impact on the European population of the recently implemented tobacco control policies in Europe. These policies include those in the Tobacco Products Directive (TPD) of the European Union and the WHO Framework Convention on Tobacco Control. The impact of these policies was assessed by a cohort study on 6,000 smokers in six European countries. This study also assessed how respiratory comorbidities influence clinicians in six European countries to provide cessation assistance. The final results of this study will be presented in this session. We will also describe the results of the 2017 Eurobarometer analysis of 26,000 adults across 28 European countries, which assessed changes in public perceptions regarding e-cigarettes, warning labels on tobacco products and smoke-free environments. This session is supported by a grant from the European Commission (Horizon 2020 HC0-6-2015; EUREST-PLUS: 681109; Vardavas).

Method(s) : Epidemiology Public health

Tag(s) : Translational

Target audience : General practitioner, Nurse, Paediatrician, Patient, Policy maker, Scientist (basic, translational), Student

Chairs : Charlotta Pisinger (Glostrup, Denmark)

08:30 **The effect of respiratory comorbidities on the provision of cessation assistance in six EU countries: are clinicians doing enough?**
Linnea Hedman (Luleå, Sweden)

09:00 **Factors that affect quit attempts in smokers in six EU countries**
Paraskevi Katsaounou (Athens, Greece)

09:30 **The impact on tobacco product use of policies in the EU, including smoke-free legislation, warning labels and taxation**
Filippos T. Filippidis (London, United Kingdom)

10:00 **Monitoring e-cigarette use and variables across the EU: a 2018 update**
Constantine Vardavas (Athens, Greece)

08:30 - 10:30

Symposium: New Sepsis Surviving Campaign guidelines: back to the “art of medicine” Sepsis Surviving Campaign guidelines

Aims : Although Sepsis Surviving Campaign (SCC) guidelines have improved the hospital survival of patients with sepsis over the last few decades, more than a quarter of these patients continue to die in hospital. To improve the treatment of sepsis, this joint ERS/ESICM /SCCM session will highlight the new SCC guidelines, which propose the implementation of precision (individualised) medicine in this field of respiratory and intensive care medicine. These new guidelines state that, while the original SCC evidence-based recommendations are suitable for the majority of typical septic patients, patients with certain specific atypical features may have to be treated with an individualised approach that is based on best practice statements. This session will cover key issues in the management of septic patients (particularly those with pulmonary complications) according to the new SCC guidelines.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Patient, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marcus Schultz (Amsterdam, Netherlands), Studdard John (, United States of America)

08:30 **Features of the new Sepsis Surviving Campaign guidelines**
Speaker to be confirmed

09:00 **Fluid resuscitation and haemodynamic support**
Antonio Artigas (Sabadell (Barcelona), Spain)

09:30 **Ventilatory strategies in acute respiratory failure**
Cesare Gregoretti (Torino (TO), Italy)

10:00 **Stewardship programmes to decrease antibiotic resistance and to improve outcomes**
Antoni Torres (Barcelona, Spain)

08:30 - 10:30

Grand round: Lung cancer Grand Round

Aims : In this lung cancer Grand Round, four assembly members will challenge your knowledge in lung cancer care with their individual cases. This Grand Round will also provide you with a unique opportunity for interactive discussions with not only the case presenters but also an on-stage multidisciplinary board panel. Learn and debate about the following four hot lung cancer topics: using the full diagnostic potential of computed tomography (CT) lung cancer screening beyond the nodule; reappraising N2 disease in the era of immunotherapy and targeted therapies; controlling stage IV non-small cell lung cancer (NSCLC) with modern molecular diagnostics and systemic therapies; and tackling brain metastases and the primary tumour.

Disease(s) : Thoracic oncology**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Public health Pulmonary function testing Respiratory intensive care Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Paul E. Van Schil (Edegem (Antwerp), Belgium), Solange Peters (Lausanne, Switzerland), Françoise Galateau-Salle (Caen, France), Matthew Evison (Manchester, United Kingdom), Annemie Snoeckx (Edegem (Antwerp), Belgium), Chair to be confirmed**08:30 A benign nodule in former smoker with COPD**
Margarida Afonso (Castelo Branco, Portugal)**09:00 To resect, or not to resect – the problem with difficult histology and rare tumours**
Matthias Esch (Ganderkesee, Germany)**09:30 Intercalating multimodal treatment strategy in a patient with advanced pulmonary adenocarcinoma harbouring the uncommon complex EGFR mutation L833V/H835L**
Armin Frille (Leipzig, Germany)**10:00 When you hear hoofbeats, look for zebras**
Jan van Meerbeeck (Edegem (Antwerp), Belgium)**08:30 - 10:30****Poster discussion: Evaluation of COPD and various diseases by different imaging modalities****Disease(s) :** Airway diseases Thoracic oncology Respiratory infections Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care**Method(s) :** Imaging Epidemiology Endoscopy and interventional pulmonology General respiratory patient care Physiology Respiratory intensive care**Chairs :** Reinhard Kubale (Pirmasens, Germany), El bieta Magdalena Grabczak (Warszawa, Poland)**A long distance chest ultrasound mentorship project - the initial evaluation**

Diana Veronica Turcu (Iasi, Romania), Oana Melinte, Oana Miron, Radu Crisan, Traian Mihaescu, Tudor P. Toma

Clinical Use and Barriers of Thoracic Ultrasound: A Survey of Italian Pulmonologists

Alessandro Zanforlin (Bolzano (BZ), Italy), Francesco Tursi, Giampietro Marchetti, Giulia Pellegrino, Beatrice Vigo, Andrea Smargiassi, Riccardo Inchingolo, Stefano Centanni, Stefano Gasparini, Francesco Blasi, Gino Soldati, Giuseppe Francesco Sferazza Papa

Utility of bedside ultrasound chest in patients admitted into critical care unit

Anil Kumar Gandham (Rajam, Srikakulam (Andhra Pradesh), India), A.R. Gayathri

Diaphragmatic assessment in COPD patients by different modalities

Gehan Ali (Shibin Elkom, Egypt)

Assessment of ventilator-induced diaphragmatic dysfunction in COPD patients using transthoracic ultrasonography

Ali Abdelazeem Hasan (Assiut, Egypt), Shereen Farfghaly

Role of ultrasound in the decision algorithm for pneumothorax – a pilot study

Rita Boaventura (Porto, Portugal), Leonor Meira, David Coelho, António Morais, Helder Novais E Bastos

Hyperpolarised 129Xenon MRI can identify ventilation abnormalities in patients suffering with primary spontaneous pneumothorax

Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Mitch Chen, Tahreema Matin, Najib Rahman, Fergus Gleeson

Left atrial diameter of >49.5 mm indicates left main bronchus stenosis

Masataka Matsumoto (Miki, Japan), Kaori Kawase, Kazumi Kaneshiro, Kiyonobu Takatsuki

How to diagnose and quantify bronchiectasis for clinical studies using chest imaging

Jennifer Jane Meerburg (Rotterdam, Netherlands), Geerten Veerman, Stefano Aliberti, Harm Tiddens

Contribution of chest computed tomography in post infectious bronchiolitis obliterans in children

Samia Hamouda (Tunis, Tunisia), Ines Trabelsi, Fatma Khalsi, Imen Belhadj, Manel Ben Romdhane, Faten Tinsa, Khadija Boussetta

Comparison of 1H MRI and 3He MRI ventilation images in patients with cystic fibrosis and patients with lung cancer

Helen Marshall (Sheffield (South Yorkshire), United Kingdom), Andreas Voskrebenezov, Alberto Biancardi, Laurie Smith, Bilal Tahir, Jim Wild, Jens Vogel-Claussen

Is echogenic swirling seen on ultrasound predictive of pleurodesis outcome?

Maged Hassan (Oxford, United Kingdom), Rachel M Mercer, Rachelle Asciak, Nicky Russel, Rob J Hallifax, John Wrightson, Najib M Rahman

Agreement between chest ultrasonography and chest X-ray in patients who have undergone thoracic surgery

Andrea Smargiassi (Roma (RM), Italy), Riccardo Inchingolo, Marco Chiappetta, Leonardo Petracca Ciavarella, Stefania Lopatriello, Giuseppe Maria Corbo, Stefano Margaritora, Luca Richeldi

Investigation of relationships between inflammation and brain disease in COPD

Mohani-Preet Kaur Bajaj (London, United Kingdom), Sachelle Ruickbie, Daniel Burrage, Catherine Spilling, James Dodd, Abhiram Prasad, Paul Jones, Emma Baker, Thomas Barrick

Lung ultrasound as useful tool to diagnose pulmonary atelectasis in children affected by neuromuscular disease

Nicola Ullmann (Roma (RM), Italy), Maria Luisa D'Andrea, Maria Beatrice Chiarini, Paolo Tomà, Claudio Cherchi, Martino Pavone, Virginia Mirra, Renato Cutrera

CT predictors of pulmonary hypertension in patients with severe COPD

Daniela Gompelmann (Heidelberg, Germany), Miranda Kirby, Konstantina Kontogianni, Benjamin Egenlauf, Ekkehard Gruenig, Claus-Peter Heussel, Ralf Eberhardt, Felix Jf Herth

The impact of CT dose reduction on inspiratory and expiratory lung density measures

Jessica C. Sieren (Iowa City, United States of America), Eric A. Hoffman

Pulmonary perfusion heterogeneity is reduced with hyperoxia in emphysema-susceptible smokers

Eric A. Hoffman (Iowa City, United States of America), Krishna S. Iyer, Amin Motahari, Alejandro P. Comellas, David W. Kaczka

08:30 - 10:30

Poster discussion: Occupational and environmental lung diseases: asthma and the airways

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Public health

Chairs : Benoit Nemery (Leuven, Belgium), Christopher Barber (Sheffield (South Yorkshire), United Kingdom)

Airway symptoms and findings in patients exposed to moisture damage at work

Sarkku Vilpas (Tampere, Finland), Lauri Lehtimäki, Eliina Kankare, Leenamajja Kleemola, Jura Numminen, Pia Nynäs, Antti Tikkakoski, Jukka Uitti, Jussi Karjalainen

Identification of significant late reactions from smaller exposures in specific inhalation challenge testing

Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Alastair Robertson, Gareth Walters

Predictors of patterns of response following specific inhalation challenge testing with low molecular weight agents.

Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Alastair Robertson, Gareth Walters

Effect of exposure to alpha-quartz on lung function in outdoor blasting crews

Mariann Ulvestad (Oslo, Norway), Dag Gunnar Ellingsen, Nils Petter Skaugset, May Brit Lund, Bente Ulvestad

Is 'take-out' allergen detectable in laboratory animal facilities?

Johanna Feary (London, United Kingdom), Jennifer Canizales, Caitlin Fitzgerald, Harry Ward, James Potts, Paul Cullinan, Meinir Jones

A review of cleaning agent-related occupational asthma from Birmingham, UK (2000-16)

Gareth Walters (Redditch (Hereford and), United Kingdom), Sherwood Burge, Vicky Moore, Alastair Robertson

Prevalence and risk factors of COPD in dairy farmers: the AIRBAG study

Stéphane Jouneau (Rennes Cedex, France), Solenne Marette, Ange-Marie Robert, Thomas Gouyet, Stéphanie Guillot, Anthony Chapron, Carole Mailloux, Benoit Desrues, Jean-François Viel

Specific inhalation challenge causes minor changes in nasal proteome of work-related asthma patients
Hille Suojalehto (Helsinki, Finland), Irmeli Lindström, Anne Puustinen

Specific IgE sensitization and asthma in French farmers
Sebastien Clerc (Paris, France), Denis Caillaud, Cara Maesano, Joana Vitte, Isabella Annesi-Maesano

Evidence based Code of Best Practice for animal research facilities: results of the SPIRAL study
Johanna Feary (London, United Kingdom), Bernadette Fitzgerald, Susie Schofield, James Potts, Jennifer Canizales, Meinir Jones, Paul Cullinan

Cleaning products and respiratory health effects in professional cleaners: A systematic review
Sara De Matteis (London, United Kingdom), Olga Archangelidi, Debbie Jarvis

Profiling of hypersensitivity pneumonitis diagnosed at a UK specialist service for ILD and occupational lung diseases
Gareth Walters (Redditch (Hereford and), United Kingdom), Justin Mokhlis, Vicky Moore, Geraldine Burge, Alastair Robertson, Sherwood Burge

Occupational exposure and incidence of asthma based on prescription of drugs.
Jesper Baelum (Odense C, Denmark), Lars Rauff Skadhauge, Trine Thilsing, Jesper R. Davidsen, Øjvind Omland, Vivi Schlünssen

Asthma associated with occupational exposure in dairy farmers
Sasho Stoleski (Skopje, FYROM (Macedonia)), Jordan Minov, Jovanka Karadzinska-Bislimovska, Dragan Mijakoski, Aneta Atanasovska

Airborne exposures and fractional exhaled nitric oxide in British foundry workers
Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Jade Sumner, Ed Robinson, Leon Lewis, Lisa Bradshaw, Alison Codling, Chris Barber

Asthma in cleaners: a distinct phenotype?
Collin Brooks (Wellington, New Zealand), Tania Slater, Marine Corbin, Dave Mclean, Ridvan Firestone, Jan-Paul Zock, Neil Pearce, Jeroen Douwes

08:30 - 10:30

Poster discussion: Epidemiology and prognostication of critically-ill patients

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care Transplantation Epidemiology General respiratory patient care

Chairs : Chair to be confirmed

Acute Respiratory Distress Syndrome in Mechanically-Ventilated Patients with Community-Acquired Pneumonia
Miquel Ferrer Monreal (Barcelona, Spain), Catia Cilloniz, Adamanthia Liapikou, Carolina Garcia-Vidal, Albert Gabarrus, Adrian Ceccato, Jorge Puig De La Bellacasa, Francesco Blasi, Antoni Torres

Changes in characteristics and long-term mortality of intensive care unit admissions from 2003 to 2010: a study from nationwide population-based cohort
Do Jun Kim (Chuncheon, Republic of Korea), Jeongwon Heo, Jae Hoon Jeong, Young Joo Kim, Seung-Joon Lee, Woo Jin Kim, Seon-Sook Han, Yoonki Hong

Prospective comparative study on etiologic diagnosis of ventilator-associated pneumonia.
Maria Aparecida Gonçalves Gomes (Uberlândia, Brazil), Rodrigo Miquelanti Melo, Vinicius Pafume Oliveira, Debora Lara Zuza Scheucher, Robinson Sabino Silva, Luiz Ricardo Goulart Filho, Denise Von Dolinger Brito, Thulio Marquez Cunha

Compared survivors with nonsurvivors in oldest-old patients with acute respiratory distress syndrome: a prospective observational cohort study
Kuo-Chin Kao (Taipei, Taiwan), Chih-Hao Chang, Chiu-Hua Wang, Han-Chung Hu, Chung-Chi Huang, Li-Fu Li, Huang pin Wu, Cheng-Ta Yang

Chronic critical illness in patients with acute respiratory failure admitted to a respiratory intensive care unit
Alessandro Marchioni (Modena (MO), Italy), Roberto Tonelli, Riccardo Fantini, Luca Tabbi, Antonia Sdanganelli, Ivana Castaniere, Alessia Verduri, Martina Garofalo, Stefania Cerri, Valentina Ruggieri, Enrico Cini

Atrial arrhythmias after lung transplantation: prevalence, risk factors, management and outcome
Sara Isabel Campos Silva (Paços de Ferreira, Portugal), Nidia Caires, Ricardo Dias Coelho, Ana Sofia Santos, Raquel Rosa, Telma Lopes, Sara Alfarroba, Paulo Calvino, Luisa Semedo, João Cardoso, José Fragata

The spontaneous breathing trial has no role to predict the ability of spontaneous breathing in patients with prolonged weaning

Friederike Sophie Magnet (Köln, Germany), Eva Heilf, Sophie E. Huttman, Jens Callegari, Sarah B. Schwarz, Jan H. Storre, Wolfram Windisch

Incidence and risk factors for venous thrombosis after venovenous extracorporeal membrane oxygenation in adult patients with acute respiratory failure

Christoph Fisser (Regensburg, Germany), Christoph Reichenbaecher, Thomas Mueller, Maximilian Malfertheiner, Alois Philipp, Maik Foltan, Dirk Lunz, Florian Zeman, Matthias Lubnow

Which respiratory and non-respiratory factors contribute to outcome in critically ill patients with invasive ventilation?

Fabienne Simonis (Amsterdam, Netherlands), Marcelo Gama De Abreu, Paolo Pelosi, Marcus Schultz, Ary Serpa Neto

Pectoralis muscle area in the follow-up of Acute Respiratory Distress Syndrome

Carlos Toufen Junior (São Roque, Brazil), Adriana Hirota, Carlos R. R. Carvalho

A multidisciplinary approach to post intensive care tracheostomy weaning and the impact of a dedicated team on decannulation rates and outcome in a regional UK major trauma centre

Rachael Moses (North Shields (Tyne and Wear), United Kingdom), Jane Pulsford, Sarah Bunting, Louise Stevens, Helen Al-Nufoury, Andrew Fishburn, Claire Slinger, Aash Vyas, Craig Spencer

The prognostic capacity of prone positioning-induced changes in P/F, deadspace and driving pressure

David van Meenen (Leiden, Netherlands), Jan Paul Roozeman, Ary Serpa Neto, Paolo Pelosi, Marcelo Gama De Abreu, Frederique Paulus, Marcus Schultz

Ventilatory strategy in ARDS: Transpulmonary pressure vs conventional ARDS net protocol in management of ARDS

Debraj Jash (Kolkata (West Bengal), India), Dhruva Chaudhry, Jaikrit Bhutani, Manjunath Bg, Aditya Chaudhry

The ventilatory inefficiency measured as VE/VCO₂ slope is increased in patients who fail to spontaneous breathing trial

René López (Santiago, Chile), Rodrigo Pérez, Iván Caviedes, Jerónimo Graf

Risk classification using predefined cutoffs for P/F and driving pressure in non-ARDS patients with invasive ventilation

David van Meenen (Leiden, Netherlands), Coen Merckies, Laura Schouten, Lieuwe Bos, Ary Serpa Neto, Paolo Pelosi, Marcelo Gama De Abreu, Frederique Paulus, Marcus Schultz

Serum albumin, arterial blood gases and base deficit as prognostic indicators of mortality in acute burned patients

Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Mohamed Megahed

Criteria for tracheostomy tube removal for patients with respiratory failure

Maria Cardone (Napoli (NA), Italy), Salvatore Longobardi, Francesco Squillante

Clinical characteristics and outcomes of patients under invasive mechanical ventilation at Ayder comprehensive specialized hospital adult intensive care unit, Mekelle, Ethiopia.

Ephrem Berhe (Mekelle, Ethiopia), Kibrom G/Slassie, Tesfay G/Zeabher

08:30 - 10:30

Poster discussion: Sleep-disordered breathing: cardiovascular consequences, epidemiology, phenotypes and comorbidities**Disease(s) :** Sleep and breathing disorders Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Epidemiology Public health General respiratory patient care Cell and molecular biology Physiology Imaging**Chairs :** Michael Arzt (Regensburg, Germany), Stefan-Marian Frent (Arad, Romania)**SERUM OSMOLARITY IS ASSOCIATED WITH SEVERITY OF OBSTRUCTIVE SLEEP APNEA SYNDROME: A NOVEL RISK FACTOR FOR CARDIOVASCULAR DISEASE**

Asiye Kanbay (Kayseri, Turkey), Mustafa Çal kan, Halil Ibrahim Yakar, Sebahat Al r Ecdar

Ventricular structural changes in patients with sleep-disordered breathing (SDB) and myocardial infarction

Elvira Bondia Real (Valencia, Spain), Jaime Signes-Costa Miñana, Jose Gavara, Santos Ferrer, Vicente Bodi, Paolo Racugno, Maria P. Lopez-Lereu, Jose Vicente Monmeneu, Maria Pilar Bañuls, Emilio Servera

Is obstructive sleep apnea a risk factor for the progression of thoracic aortic aneurysm? A prospective cohort study.

Thomas Gaisl (Zürich, Switzerland), Protazy Rejmer, Simon Stämpfli, Felix Tanner, Malcolm Kohler

The Effect of CPAP Therapy in Sleep Apnea Patients on Single Parameters of the Nocturnal Pulse Wave Analysis

Simon Dominik Herkenrath (Köln, Germany), Marcel Treml, Ludger Grote, Jan Hedner, Dirk Sommermeyer, Joachim H. Ficker, Georg Nilius, Winfried J. Randerath

Carbamylated erythropoietin prevents cardio-respiratory dysfunctions induced by chronic intermittent hypoxia

nicolas voituron (Bobigny, France), David C. Andrade, Camilo Toledo, Jean-Paul Richalet, Rodrigo Del Rio

Does the required pressure difference between REM and NREM sleep during titration polysomnography impact on the severity of complex sleep apnoea?

Hideaki Nakayama (Tokyo, Japan), Mina Kobayashi, Mariko Yanagihara, Satoru Tsuiki, Yuichi Inoue

Oscillating inspiratory flow limitation during Cheyne-Stokes hyperpnoea

Neil Skjodt (Lethbridge (AB), Canada), Vidisha Pahwa, Ronald S Platt

"Super" obstructive sleep apnea: differences with the rest of severe cases

Jose Rafael Teran Tinedo (Madrid, Spain), Daniel López-Padilla, Zichen Ji, Virginia Gallo González, Milagros Llanos Flores, Soledad López Martín, Elena R. Jimeno, Luis Puente Maestu, Elena Ojeda Castillejo

Obesity hypoventilation syndrome and neurocognitive function - impact of positive airway pressure therapy

Sheila Sivam (Camperdown (NSW), Australia), Keith Wong, Amanda Piper, David Wang, Brendon Yee, Ronald Grunstein

Hypopnoea-to-apnoea ratio relates to reduced lung volumes and profound respiratory failure in subjects with obesity-hypoventilation syndrome

Ivana Paranicova (Košice, Slovakia), Pavol Pobeha, Ivana Trojova, Ruzena Tkacova, Pavol Joppa

SLEEP DISORDERED BREATHING AND RELATIONSHIP WITH PM10

Ornella Salimbene (Buccino, Italy), Ivano Salimbene, Francesco Pilla, Maria Ragosta, Elena Comino

Systematic delay in the time to sleep apnea diagnosis in women - data from the Swedish National Sleep Apnea Registry

Ludger Grote (Göteborg, Sweden), Constanze Wartenberg, Stefan Franzen, Jan Hedner

Determinants of daytime sleepiness in mild obstructive sleep apnoea syndrome. Data from the European Sleep Apnoea Database (ESADA) cohort study.

Paschalis Steiropoulos (Alexandroupolis, Greece), Sophia Schiza, Maria R. Bonsignore, Johan Verbraecken, Jan Hedner, Ludger Grote, Marrone Oreste, Ozen K. Basoglu, Gianfranco Parati, Carolina Lombardi, Holger Holger, Zoran Dogas, Athanasia Pataka, Izolde Bouloukaki, Richard Staats, Thomas Penzel, Walter Mc Nicholas

Non-apnoea sleep disorder increases the risk of incident heart failure - a nationwide population-based cohort study

I-Duo Wang (Taipei, Taiwan), Chung-Kan Peng

Association between sleep-disordered breathing and breast cancer. A pilot study.

Francisco Campos-Rodriguez (Sevilla, Spain), Miguel A. Martinez-Garcia, Antonio Cruz-Medina, Maria Rodriguez-De-La-Borbolla, Adrian Sanchez-Vegas, MariA J. Selma-Ferrer, Francisco Ripoll, Carmen V. Almeida-Gonzalez

Chronic intermittent hypoxia exacerbates lung fibrosis in bleomycin-induced lung injury mouse model

Hyeon Hui Kang (Seoul, Republic of Korea), In Kyoung Kim, Sang Haak Lee

Determinants of enlarged main pulmonary artery diameter in patients with scleroderma and concomitant obstructive sleep apnoea

Tugce Yakut (Istanbul, Turkey), Baran Balcan, Sait Karakurt, Haner Direskeneli, Yasemin Yalcinkaya, Yuksel Peker

CPAP related intraocular pressure increase at night in people with and without glaucoma.

Dariusz Wozniak (St Ives (Cornwall), United Kingdom), Matthew Schneiders, Rupert Bourne, Ian Smith

08:30 - 10:30

Poster discussion: The global impact of bronchiectasis and nontuberculous mycobacteria (NTM)

Disease(s) : Respiratory infections Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Imaging Respiratory intensive care

Chairs : Michael Loebinger (London, United Kingdom), Eva Van Braeckel (Ghent, Belgium)

Validation of the Nontuberculous Mycobacteria (NTM) Module in NTM Lung Disease

Alexandra Quittner (Coral Gables, United States of America), Chinmay Deshpande, Engels Chou, Ruchit Shah, Srimoyee Bose, Kathy Lasch, Quan Zhang

In vitro susceptibility to rifampin and ethambutol and treatment outcome in MAC lung disease

Byoung Soo Kwon (Seoul, Republic of Korea), Yong Pil Chong, Mi-Na Kim, Heungsung Sung, Younsuck Koh, Woo-Sung Kim, Jin-Woo Song, Yeon-Mok Oh, Sang-Do Lee, Sei Won Lee, Jae-Seung Lee, Chae-Man Lim, Chang-Min Choi, Jin-Won Huh, Sang-Bum Hong, Sojung Park, Tae Sun Shim, Kyung-Wook Jo

The clinical significance of Mycobacterium triplex isolates in Queensland, Australia

Justine Gibson (Brisbane (QLD), Australia), Tim Baird, Sushil Pandey, Carla Tolson, Chris Coulter, Geoffrey Eather, Rachel Thomson

Bronchiectasis in Oceania – survival and health care in Indigenous and non-Indigenous populations

Graeme Maguire (Broome (WA), Australia), Sean Blackall, Jae Beom Hong, Paul King, Conroy Wong, Lloyd Einsiedel, Marc Rémond, Cindy Woods

Population based survey on the NTM pulmonary disease treatment in Japan

Kiyohiko Izumi (Kiyose (Tokyo), Japan), Kozo Morimoto, Kazuhiro Uchimura, Manabu Ato, Satoshi Mitarai, Naoki Hasegawa

Actual treatment practices of pulmonary nontuberculous mycobacteriosis analysed from national insurance claim data in Japan

Kozo Morimoto (Tokyo, Japan), Kiyohiko Izumi, Manabu Ato, Satoshi Mitarai, Naoki Hasegawa

Characteristics of patients with pulmonary non-tuberculous Mycobacterial infection in bronchiectasis: Data from the EMBARC registry

Michael Loebinger (London, United Kingdom), Michael Loebinger, Felix Ringshausen, Charles Haworth, Pieter Goeminne, Marlene Murriss, Montse Vendrell, Rosario Menendez, Robert Wilson, Wim Boersma, Adam Hill, Antoni Torres, Katerina Dimakou, Tobias Welte, Anthony De Soyza, Francesco Blasi, Stuart Elborn, Eva Polverino, Stefano Aliberti, James D. Chalmers

Effects of a home programme of airway clearance techniques on adventitious respiratory sounds in patients with bronchiectasis: a randomised controlled trial

Beatriz Herrero Cortina (Zaragoza, Spain), Oscar Membrado-Lope, Marta San Miguel-Pagola, Marina Francín-Gallego, Juan Antonio Saez-Perez, Eva Polverino

Rhinosinusitis is associated with increased symptoms and more frequent exacerbations among patients with bronchiectasis- data from the EMBARC registry

Michal Shteinberg (Haifa, Israel), Pieter Goeminne, Michael Loebinger, Charles Haworth, Felix Ringshausen, Katerina Dimakou, Marlene Murriss, Montse Vendrell, Rosario Menendez, Robert Wilson, Adam Hill, Antoni Torres, Tobias Welte, Francesco Blasi, Anthony De Soyza, Stuart Elborn, Eva Polverino, James Chalmers, Stefano Aliberti

AMPK is inhibited in severe bronchiectasis and may relate to reduced ciliary beat frequency

Yan Hui Giam (Dundee (Angus), United Kingdom), Amelia Shoemark, Holly Keir, Martina Contarini, Diane Cassidy, Simon Finch, James Chalmers

Comparison of bronchiectasis cohorts from tertiary centres in Sydney, Milan and Dundee reveal differences in severity and patterns of care

Simone Visser (Sydney (NSW), Australia), Enna Stroil-Salama, Madeleine Peters, Di Lui, Stefano Aliberti, James Chalmers, Lucy Morgan

Quality of life in patients with non-cystic fibrosis bronchiectasis based on radiologic findings

Burcu Arpinar Yigitbas (Istanbul, Turkey), Celal Satıcı, Elif Yelda Niksarlıoğlu, Mustafa Asım Demirkol, Gizem Köybaşı, Ayşe Filiz Kökar

Chest Physiotherapy in patients with Bronchiectasis – what is the current practice in Europe?

Maria Aurora Pinto Mendes (Penafiel, Portugal), Simon Finch, Amelia Shoemark, Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles Haworth, Marlene Murriss, Katerina Dimakou, Adam T Hill, Michael R Loebinger, Rosario Menéndez, Anthony Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James Chalmers

Impact of six-minute walk test on health-related quality of life in pulmonary *Mycobacterium avium* complex disease

Kazuma Yagi (Tokyo, Japan), Takanori Asakura, Ho Namkoong, Shoji Suzuki, Takahiro Asami, Satoshi Okamori, Tetsuya Kusumoto, Yohei Funatsu, Hirofumi Kamata, Tomoyasu Nishimura, Makoto Ishii, Tomoko Betsuyaku, Naoki Hasegawa

Validity of COPD diagnosis in Bronchiectasis patients: data from the EMBARC registry

Maria Aurora Pinto Mendes (Penafiel, Portugal), Simon Finch, Amelia Shoemark, Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles Haworth, Marlene Murris, Katerina Dimakou, Adam T Hill, Michael R Loebinger, Rosario Menéndez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James D Chalmers

Open-label extension (OLE) of ORBIT-3 and ORBIT-4 trials of ARD-3150 in non-cystic fibrosis bronchiectasis (NCFB)

Angela Davis (Durham, United States of America), Anne O'Donnell, Igor Gonda, David Cipolla, Juergen Froehlich, Charles Haworth

Neutrophil elastase increases ciliary beat frequency ex-vivo: implications for the bronchiectasis airway

Martina Contarini (Gorgonzola (MI), Italy), Yan Hui Giam, Holly Keir, Amelia Shoemark, James D Chalmers

Primary ciliary dyskinesia in adults with bronchiectasis: Data from the Embarc registry

Amelia Shoemark (Dundee (Scotland), United Kingdom), Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles S Haworth, Marlene Murris, Katerina Dimakou, Adam T Hill, Micheal R Loebinger, Rosario Menéndez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James D Chalmers

08:30 - 10:30

Poster discussion: EUS-B and EBUS: optimal utilisation of the EBUS scope

Disease(s) : Thoracic oncology Interstitial lung diseases Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Surgery

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Christophe Doms (Leuven, Belgium)

Conventional aspiration vs biopsy needle for endosonography: the International Sarcoidosis Assessment (ISA) RCT

Laurence M.M.J. Crombag (Huizen, Netherlands), K Mooij, A Szlubowski, Kg Tournoy, R Trisolini, J Sun, M Oki, M Ninaber, Ja Stigt, D Steinfort, Br Jennings, M Liberman, S Bilaceroglu, Jt Annema

EBUS vs EUS-B for diagnosing sarcoidosis: the International Sarcoidosis Assessment (ISA) RCT

Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Laurence Crombag, Artur Slubowski, Kurt Tournoy, Rocco Trisolini, Jiayuan Sun, Masahide Oki, Maarten Ninaber, Jos Stigt, Daniel Steinfort, Barton Jennings, Moishe Liberman, Semra Bilaceroglu, Lizzy Wijmans, Peter Bonta, Jouke Annema

Endobronchial ultrasound for the diagnosis of centrally located intrapulmonary tumors: a systematic review and meta-analysis

Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands), Fausto Leoncini, Laurence Crombag, Rene Spijker, Peter Bonta, Daniel Korevaar, Jouke Annema

EUS-B-FNA for the diagnosis of centrally located lung lesions.

Ida Skovgaard Christiansen (København N, Denmark), Jolanda Corina Kuijvenhoven, Uffe Bodtger, Therese Maria Henriette Nauer, Khaliq Ahmad, Jatinder Singh Sidhu, Rafi Nessar, Goran Nadir Salih, Asbjorn Hoegholm, Jouke Tabe Annema, Paul Frost Clementsen

Accuracy and safety of EUS-B-FNA in the diagnosis of lung parenchymal lesions

Michele Mondoni (Cremona (CR), Italy), Francesco Varone, Paolo Carlucci, Leonello Fuso, Claudia Sanfilippo, Daniele Magnini, Mirta Cavallini, Luca Richeldi, Stefano Centanni, Giovanni Sotgiu

Subcarinal lymph node; is it better evaluated by EBUS or EUS?

Dalia Ezat Elsharawy (Elgharbya, Egypt), Mohamed Hantera, Ayman Elsaqa, Yomna Zamzam

Integration of the left adrenal into EUS-B - a prospective study.

Stephan Eisenmann (Halle, Germany), Jonathan Becker, Jane Winantea, Rüdiger Karpf-Wissel, Faustina Funke, Elena Stenzel, Kaid Darwiche

Safety and feasibility of the use of a long EBUS scope in the diagnosis of mediastinal lymphadenopathy and left adrenal gland enlargement - a pilot study

Maren Schuhmann (Heidelberg, Germany), Felix Herth, Ralf Eberhardt

Comparative efficacy of EBUS-TBNA versus EUS-b-FNA in unselected sarcoidosis patients

Ilya Sivokozov (Moscow, Russian Federation), Oksana Yun, Dmitry Sazonov, Dmitry Dedushkin, Natalya Karpina, Galina Evgushenko, Yuri Berezovsky

Awake endoscopic (esophageal) ultrasound using the endobronchial scope (EUS-B) for patients with high risk for sedation

Johad Khoury (Elaboun, Israel), Yochai Adir, Sonia Schneer, Omar Hakrush, Amir Abramovich

The pulmonologist in the oesophagus: new opportunities

Therese Maria Henriette Naur (Copenhagen, Denmark), Ida Skovgaard Christiansen, Khaliq Ahmad, Jatinder Singh Sidhu, Rafi Nessar, Goran Nadir Salih, Asbjørn Høegholm, Peter Iwan Bonta, Jouke Tabe Annema, Uffe Bodtger, Paul Frost Clementsen

Guideline adherence and quality of (minimal) invasive mediastinal staging of NSCLC

Jelle Bousema (Breda, Netherlands), Ilse Huijbregts, Martijn Van Dorp, Fieke Hoeijmakers, Nicole Barlo, Niels Claessens, Anne-Marie Dingemans, Wessel Hanselaar, Robert Kortekaas, Jan-Willem Lardenoije, Jos Maessen, Hermien Schreurs, Maggy Youssef-El Soud, Jouke Annema, Frank Van Den Broek

Influence of pathologist experience on EBUS-TBNA overall accuracy: A historical cohort study

Luis Fernando Giraldo-Cadavid (Bogota DC, Colombia), Maria Teresa Perez-Warnisher, Iker Fernandez-Navamuel, Javier Alfayate, Alba Naya, Pilar Carballosa, Andres Gimenez, Elena Cabezas, Francisco Martinez-Muñiz, Susana Alvarez, Javier Flandes

Unusual case of bilateral hemotympanum after endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA)

Usman Maqsood (Walsall, United Kingdom), Muhammad Imran Hasan, Mohammed Munavvar, Muhammad Badar Ganaie

Significance of the gross visual appearance of aspirates obtained with endobronchial ultrasound guided-transbronchial needle aspiration (EBUS-TBNA)

Sahajal Dhooria (Chandigarh (Uttar Pradesh), India), Nalini Gupta, Ritesh Agarwal, Ashutosh Aggarwal

Diagnostic yield of N3 hilar staging by endobronchial ultrasonography (EBUS) in lung cancer.

Jaume Bordas Martinez (Barcelona, Spain), Jose Luis Vercher Conejero, Guillermo Rodriguez González, Cristina Martin Cabeza, Isabel Cachon Suarez, Noelia Cubero De Frutos, Rosa-Maria Lopez Lisbona, Marta Diez Ferrer, Cristina Gamez Cenzano, Roger Llatjos Sanuy, Jordi Dorca Sargatal, Antoni Rosell Gratacos

Lymphnode short-axis diameter (SAD) as a predictor of adequacy in EBUS-TBNA: size matters

Fausto Leoncini (Montespertoli (FI), Italy), Valentina Luzzi, Stefano Orsi, Michela Bezzi

A comparison of PET-CT and complete endosonographic nodal staging with use of 25 gauge needles in small nodes in NSCLC patients

Maciej Gnass (Mylenice, Poland), Stanisław Orzechowski, Joanna Sola, Piotr Koco, Lucyna Rudnicka, Juliusz Pankowski, Paweł Gwóźdź, Artur Szlubowski

08:30 - 10:30

Oral presentation: Evolving approaches to differential diagnosis**Disease(s) :** Pulmonary vascular diseases Airway diseases**Method(s) :** Physiology Endoscopy and interventional pulmonology Public health Transplantation**Chairs :** Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Monika Franczuk (Warszawa, Poland)**08:30 Is a screening spirometry a good screening tool?**

Daniel Schuermans (Bruxelles, Belgium), Sven Verschraegen, Geert Celis, Eef Vanderhelst

08:45 Pilot project to provide spirometry inreach sessions to hostels/homeless shelters in Tower Hamlets, London

Claire Davey (London, United Kingdom), Rasheda Choudhury, Maryam Mohammed, Jane Simpson

09:00 Factors affecting lung function in adult cystic fibrosis patients after lung transplantation.

Elena Amelina (Moscow, Russian Federation), Alexander Cherniak, Natalia Karchevskaya, Stanislav Krasovsky, Evgeny Tarabrin, Zhanna Naumenko, Sergey Golovinskiy, Galina Neklyudova, Marina Kevorkova, Taimyraz Kallagov, Tatyana Pashkova, Nikolay Nechaev, Nadezhda Guseva, Alexander Chuchalin

09:15 Lung Clearance Index (LCI) in children = 12 years old with Cystic Fibrosis (CF) taking ORKAMBI at University Hospital Limerick (UHL)

Magdalena Mulligan (Limerick, Ireland), Rebecca White, Louise Collins, Barry Linnane

09:30 Double gas transfer factors (TLNO/CO) in supine position discriminate congenital heart diseases from healthy adults.

Stefan Matecki (Montpellier, France), Pascal Amedro, Jonathan Mane, Farez Gouzi, Nam Ledong, Arnaud Bourdin, Maurice Hayot, Bruno Degano, Sophie Guillaumont, Gregoire Delavilleon

- 09:45** **Investigating Exercise Induced Laryngeal Obstruction (EILO): A review of a specialist paediatric service**
Jane Kirkby (Sheffield, United Kingdom), Nicki Barker, Laurie Smith, Ravi Thevasagayam, Kelechi Ugonna
- 10:00** **Assessment of repeatability of eNose (SpiroNose) measurements in healthy and asthmatic subjects**
Rianne de Vries (Amsterdam, Netherlands), J. W. F. Dagelet, U Frey, R. Lutter, A. H. Maitland-Van Der Zee, P. J. Sterk, A Sinha

08:30 - 10:30**Oral presentation: Asthma in children and adults: long-term aspects****Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care Physiology Public health**Chairs :** Giovanni Viegi (Pisa (PI), Italy)

- 08:30** **Adult asthma phenotypes identified by a cluster analysis on clinical and biological characteristics**
Rachel Nadif (Villejuif, France), Mickael Febrissy, Miora Andrianjafimasy, Nicole Le Moual, Frederic Gormand, Jocelyne Just, Isabelle Pin, Regis Matran, Valerie Siroux, Orianne Dumas, Mohamed Nadif
- 08:45** **Eosinophilic inflammation and lung function decline in a long-term follow-up of a large population-based asthma cohort**
Helena Backman (Lulea, Sweden), Linnea Hedman, Caroline Stridsman, Sven-Arne Jansson, Thomas Sandstrom, Anne Lindberg, Bo Lundback, Eva Ronmark
- 09:00** **Inhaled corticosteroids and FEV1 decline in asthma: an international cohort study**
Alessandro Marcon (Verona (VR), Italy), Pierpaolo Marchetti, Josep M Antó, Lucia Cazzoletti, Isa Cerveri, Angelo Corsico, Judith Garcia-Aymerich, Joachim Heinrich, David Gislason, Rain Jõgi, Ane Johannessen, Bénédicte Leynaert, Andrei Malinowski, Isabelle Pin, Joost Weyler, Christer Janson, Simone Accordini, Deborah Jarvis
- 09:15** **Asthma control and decline in FEV1/FVC ratio over 10 years in adults**
Simone Accordini (Verona (VR), Italy), Lucia Cazzoletti, Josep Antó, Isa Cerveri, Angelo Corsico, Judith Garcia-Aymerich, Joachim Heinrich, David Gislason, Rain Jõgi, Ane Johannessen, Bénédicte Leynaert, Andrei Malinowski, Isabelle Pin, Laura Portas, Joost Weyler, Christer Janson, Alessandro Marcon, Deborah Jarvis
- 09:30** **Effect of asthma on the development of obesity among adults: Results of the European Community Respiratory Health Survey (ECRHS)**
Subhabrata Moitra (Barcelona, Spain), Anne-Elie Carsin, Michael Abramson, André Amaral, Josep Maria Anto, Vaia Lida Chatzi, Bertil Forsberg, Frank Gilliland, Francisco Gomez Real, Deborah Jarvis, Jeong-Lim Kim, Bénédicte Leynaert, Pavilio Piccioni, Nicole Probst-Hensch, Valerie Siroux, Stefano Guerra, Judith Garcia-Aymerich, Manolis Kogevinas
- 09:45** **Childhood asthma affects job and education in young adults**
Christian Schyllert (Vendelsö, Sweden), Martin Andersson, Anne Lindberg, Eva Rönmark, Linnea Hedman
- 10:00** **Is “protective” effect of day care on asthma explained by selection bias?**
Aino-Kaisa Rantala (Oulu, Finland), Øystein Karlstad, Maria C Magnus, Hein Stigum, Siri E Håberg, Per Nafstad, Wenche Nystad, Jouni J Jaakkola

08:30 - 10:30**Oral presentation: Risk stratification in treatment of pulmonary arterial hypertension****Disease(s) :** Pulmonary vascular diseases**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology Public health**Chairs :** Marius M. Hoeper (Hannover, Germany), Marc Humbert (Paris, France)

- 08:30** **Risk assessment in pulmonary arterial hypertension (PAH): Insights from the GRIPHON study**
Olivier Sitbon (Le Kremlin-Bicêtre, France), Kelly M. Chin, Richard N. Channick, Lilla Di Scala, Sean Gaine, Hossein-Ardeschir Ghofrani, Irene M. Lang, Vallerie V. McLaughlin, Ralph Preiss, Lewis J. Rubin, Gérald Simonneau, Victor Tapon, Nazzareno Galie, Marius M. Hoeper
- 08:45** **Early improvements predict outcomes in pulmonary arterial hypertension**
R James White (Rochester, United States of America), C Dario Vizza, Christiana Blair, Jonathan Langley, Marius M Hoeper
- 09:00** **ESC/ERS low-risk profile achievement accurately predicts mortality in scleroderma-associated PAH**
Valentina Mercurio (Baltimore, United States of America), Nermin Diab, Grace Peloquin, Traci Houston-Harris, Rachel Damico, Todd Kolb, Stephen Mathai, Paul Hassoun

- 09:15** **Impact of initial treatment strategy on long-term survival in pulmonary arterial hypertension (PAH)**
Athénaïs Boucly (Le Kremlin Bicêtre, France), Laurent Savale, Jason Weatherald, David Montani, Mitja Jevnikar, Xavier Jaïs, Gérald Simonneau, Marc Humbert, Olivier Sitbon
- 09:30** **Early treatment of borderline pulmonary arterial hypertension associated with systemic sclerosis: a randomized, controlled, double-blind, parallel group, proof-of-concept study**
Zixuan PAN (Heidelberg, Germany), Christina A. Eichstaedt, Nicola Benjamin, Norbert Blank, Hanns-Martin Lorenz, Christoph Fiehn, Jie Song, Panagiota Xanthouli, Satenik Harutyunova, Benjamin Egenlauf, Alberto M. Marra, Christine Fischer, Ekkehard Grünig
- 09:45** **emPHasis-10 score predicts mortality in patients with pulmonary hypertension**
Stephen Wort (Hampton (Middlesex), United Kingdom), Carla Favoccia, Alexander Kempny, Laura Claire Price, Colm McCabe, Kostantinos Dimopoulos
- 10:00** **Pirfenidone protects against pulmonary hypertension in the Sugen5416/hypoxia rat model**
Paul-Benoit Poble (Besançon, France), Carole Phan, Timothée Quatremare, Jennifer Bordenave, Raphaël Thuillet, Amélie Cumont, Alice Huertas, Peter Dorfmueller, Ly Tu, Marc Humbert, Maria-Rosa Ghigna, Christophe Guignabert

08:30 - 10:30

Oral presentation: Paediatric asthma: prevention, diagnosis and treatment**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Epidemiology Public health**Chairs :** Erol Gaillard (Leicester (Leicestershire), United Kingdom), Alexander Möller (Zürich, Switzerland)

- 08:30** **Prenatal exposure to negative life events and job stress and asthma risk**
Vivi Schlünssen (Århus C, Denmark), Xiaoqin Liu, Kathrine Madsen, Camilla Sejbæk, Henrik Kolstad, Jørn Olsen, Karin Hougaard, Kirsten Hansen, Niklas Andersson, Reiner Rugulies
- 08:45** **Breast-milk microbes and risk of asthma by 6 years of age**
Inka Hämynen (Kuopio, Finland), Martin Täubel, Anne Karvonen, Laura Orivuori, Outi Vaarala, Anne Hyvärinen, Josef Riedler, Caroline Roduit, Roger Lauener, Jean-Charles Dalphin, Erika Von Mutius, Sami Remes, Juha Pekkanen, Pirkka V. Kirjavainen
- 09:00** **Microbiota as in farm homes protect children from asthma**
Pirkka Kirjavainen (Kuopio, Finland), Anne Karvonen, Rachel Adams, Martin Täubel, Georg Loss, Markus Ege, Anne Hyvärinen, Rob Knight, Dick Heederik, Erika Von Mutius, Juha Pekkanen
- 09:15** **Feasibility and diagnostic accuracy of an electronic nose in children with asthma and cystic fibrosis**
Michiel Bannier (Maastricht, Netherlands), Kim Van De Kant, Quirijn Jobsis, Edward Dompeling
- 09:30** **Age and height trajectories of exhaled nitric oxide in schoolchildren**
Sandrah Eckel (Los Angeles, United States of America), Yue Zhang, Erika Garcia, Patrick Muchmore, Edward Rappaport, Kiros Berhane, William Linn, Noa Molshatski, Rima Habre, Frank Gilliland
- 09:45** **Valved holding chambers vary considerably in drug delivery efficacy**
Peter Csonka (Vuorentausta, Finland), Lauri Lehtimäki
- 10:00** **Humidified and standard oxygen therapy in acute severe asthma in children: a randomised controlled pilot trial (HUMOX)**
Paul McNamara (Liverpool (Merseyside), United Kingdom), Vanessa Compton, Matthew Peak, Julie Grice, Janet Clark, Liz Lee, Caroline Burchett, Ravi Jayaram, Ian Kilroy, David Lacy, Tracy Moitt, Egle Saviciute, Dannii Clayton, Steven Lane, Ashley Jones

08:30 - 10:30

Oral presentation: Primary care management of respiratory conditions**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** General respiratory patient care Epidemiology Public health**Chairs :** Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Persijn Honkoop (Leiden, Netherlands)

- 08:30** **Investigating the feasibility of a mobile mindfulness-based digital intervention for patients with asthma**
Ben Ainsworth (Southampton (Hampshire), United Kingdom), Sabina Stanescu, Sarah Kirby, Beth Stuart, Ramesh Kurukulaaratchy, Ratko Djukanovic, Mike Thomas
- 08:45** **Practical use of control of allergic rhinitis and asthma test in a telehealth service**
Corina de Jong (Groningen, Netherlands), Hendrik Jan Baretta, João Fonseca, Ellen Van Heijst, Thys Van Der Molen, Desiree Schipper, Ioanna Tsiligianni, Janwillem Kocks, Bertine Flokstra-De Blok

09:00	The impact of common cold and flu on sleep: sufferer and physician perceptions Ingo Fietze (Berlin, Germany), Gillian Phillipson
09:15	More household air pollution and COPD at higher altitude - a population-based, observational FRESH AIR study in rural Kyrgyzstan Evelyn Brakema (Amsterdam, Netherlands), Aizhamal Tabyshova, Marise Kasteleyn, Eveline Molendijk, Rianne Van Der Kleij, Job Van Boven, Berik Emilov, Meerim Akmatalieva, Maamed Mademilov, Mattijs Numans, Sian Williams, Talant Sooronbaev, Niels Chavannes
09:30	ICS withdrawal and exacerbation risk by GOLD 2017 Report: post hoc analysis of the WISDOM trial Henrik Watz (Großhansdorf, Germany), Helgo Magnussen, Roberto Rodriguez-Roisin, Kay Tetzlaff, Michaela Haensel, Achim Mueller, Claus Vogelmeier
09:45	Adherence rate to inhaled therapies and factors affecting adherence in elderly with chronic obstructive lung diseases Emel Ceylan (Aydin, Turkey), Hüseyin Örün, Tuçe Kübra Güleç, Mert Alta, Nuray Seyitoğlu Ertek, Aydın Çöl, Fisun Karada
10:00	Effectiveness of 2x2-hour lectures and case methods in Swedish general practitioners' continuing medical education about COPD: a cluster randomized controlled trial Hanna Sandelowsky (Vendelso, Sweden), Ingvar Krakau, Sonja Modin, Björn Stållberg, Sven-Erik Johansson, Anna Nager

08:30 - 10:30**Oral presentation: Prematurity and lung disease****Disease(s) :** Respiratory critical care Airway diseases**Method(s) :** Respiratory intensive care General respiratory patient care Physiology Cell and molecular biology**Chairs :** Theodore Dassios (London, United Kingdom), Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)

08:30	Azithromycin (AZM) reduces death or severe respiratory morbidity at 12 month adjusted age (AA) in Ureaplasma-positive intubated preterms. Rose Viscardi (Baltimore, United States of America), Michael Terrin, Laurence Magder, Susan Dulkerian, Natalie Davis, Ken Waites, Namasivayam Ambalavanan, Pamela Donohue, David Kaufman, Deborah Tuttle, Jorn-Hendrik Weitkamp
08:45	The role of ASC signalling in preterm infants at risk of chronic lung disease of prematurity David Gallacher (Cardiff (South Glamorgan), United Kingdom), Martha Triantafyllou, Julian Marchesi, Kathy Triantafyllou, Sailesh Kotecha
09:00	Lung mechanics, airway reactivity, and muscularization are altered in former mechanically ventilated preterm lambs Mar Janna Dahl (Salt Lake City, United States of America), Chiara Veneroni, Anna Lavizzari, Jane Pillow, Brad Yoder, Kurt Albertine, Raffaele Dellacà
09:15	Effects of sustained lung inflation (SLI) at birth on lung aeration during non-invasive resuscitation of preterm lambs Davide Bizzotto (Milano (MI), Italy), Marjanna Dahl, Chiara Veneroni, Anna Lavizzari, Bradley Yoder, Ilaria Milesi, Kurt Albertine, Raffaele Dellacà
09:30	Are lung function abnormalities associated with reduced exercise capacity in prematurely born young people? Christopher Harris (London, United Kingdom), Alan Lunt, Janet Peacock, Anne Greenough
09:45	Assessment of lung mechanics for the prediction and evaluation of pulmonary outcome in preterm infants Emanuela Zannin (Milano (MI), Italy), Raffaele Dellacà, Roland Neumann, Sven Schulzke
10:00	The analysis of genetic polymorphisms of manganese superoxide dismutase at premature infants with bronchopulmonary dysplasia Elena Pavlinova (Omsk, Russian Federation), Olga Savchenko, Natalya Vlasenko, Irina Kirshina, Ekaterina Karpeta

08:30 - 13:00**Game Zone: GAME ZONE - SESSION 1****Ultrasound**
Speaker to be confirmed

Interventional bronchoscopy
Speaker to be confirmed

09:00 - 10:30

Professional development: PDW2 Medical writing

Aims : The aim of this 90-minute workshop is to give a short overview on the art of medical writing.

Chairs : Gilbert Massard (Strasbourg, France)

09:00	Welcome Gilbert Massard (Strasbourg, France)
09:15	Why should we publish? How to handle your data Enrico Ruffini (Torino (TO), Italy)
09:35	Different types of publications and general rules Gilbert Massard (Strasbourg, France)
10:05	The editorial cycle from submission to publication: how do I get my abstract accepted in an international conference? Enrico Ruffini (Torino (TO), Italy)
10:25	Conclusion Gilbert Massard (Strasbourg, France)

10:40 - 13:00

Skills workshop: SW5 Endoscopy

Hands-on workshop on endoscopic technologies

Aims : to present and demonstrate the current and upcoming technologies in endoscopy.

Disease(s) : **Airway diseases** **Thoracic oncology**

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Pallav L. Shah (London, United Kingdom)

Introduction

Endobronchial valve placement
Momen Wahidi (Durham, United States of America)

Paediatric bronchoscopy
Ernst Eber (Graz, Austria)

Cryobiopsy
Maren Schuhmann (Heidelberg, Germany)

Endobronchial ultrasound with transbronchial needle aspiration
Michela Bezzi (Firenze (FI), Italy)

10:40 - 13:00

Skills workshop: SW2 Body plethysmography

Aims : to help attendees gain the technical expertise and physiological knowledge needed to perform full body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the system setup, quality control and calibration; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : Airway diseases Paediatric respiratory diseases**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, Lung function technologist, Nurse, Paediatrician, Physiologist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Frans H.C. De Jongh (Enschede, Netherlands)**Introduction****Calibration, quality control and system settings**
Felip Burgos Rincon (Barcelona, Spain)**Technical aspects of body plethysmography**
Ellie Oostveen (Edegem (Antwerp), Belgium)**Standardisation of test performance**
Aisling McGowan (Dublin, Ireland)**Reporting and interpretation of case studies**
Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

10:45 - 12:45

Symposium: Towards understanding and managing chronic cough**Aims :** to provide a comprehensive update regarding the physiological understanding and clinical management of patients with chronic cough who present in both primary and secondary care settings.**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Imran Satia (Hamilton (ON), Canada), Graham H. Bothamley (London, United Kingdom), Marta Almagro (Barcelona, Spain)**10:45 What is cough and what should be measured? The physiology of cough**
Giovanni A. Fontana (Vaglia (FI), Italy)**11:15 Cough assessment and management in primary care**
Alan Kaplan (Stouffville (ON), Canada)**11:45 Cough management in secondary care - airways disease and gastro-oesophageal reflux**
Akio Niimi (Nagoya, Japan)**12:15 Cough and respiratory infections, tuberculosis and the immunocompromised patient**
Bruce Rubin (Richmond, United States of America)

10:45 - 12:45

Symposium: Gene-environment interactions in the omics era**Aims :** to review current knowledge about gene-environment (GxE) interactions in respiratory disease, which are believed to underlie the well-known fact that individuals respond differently to various environmental exposures such as tobacco smoke and air pollutants; to outline the clinical implications of what we know about GxE interactions and the future directions for studies and public health actions; to describe basic concepts about GxE interactions, provide examples of successful GxE studies in the literature, highlight methodological challenges and describe optimal study design. In particular, the GxE interactions in the omics era will be reviewed, namely, how these interactions are being evaluated at the DNA, epigenetic, transcriptomic and proteomic level.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology Epidemiology Public health**Tag(s) :** Translational**Target audience :** Paediatrician, Policy maker, Scientist (basic, translational)**Chairs :** H. Marika Boezen (Groningen, Netherlands), Klaus Bonnelykke (Allerød, Denmark)**10:45 The optimal study design for identifying gene-environment interaction effects in large-scale studies**
Florence Demenais (Paris, France)

11:15 Using omics data to detect gene-environment interactions - results from studies on air pollution and asthma
Erik Melén (Stockholm, Sweden)

11:45 Lessons in gene-environment interactions from the UK Biobank - clinical implications
Ian P. Hall (Nottingham (Nottinghamshire), United Kingdom)

12:15 Identifying individuals who are susceptible to the effects of environmental exposures - implications for public health actions
Isabella Annesi Maesano (Paris, France)

10:45 - 12:45

Symposium: Multidisciplinary approach to ground-glass opacities

Aims : to review the current guidelines regarding the management and follow-up of ground-glass opacity (GGO) nodules in the light of experience from screening trials; and to describe the use of minimally invasive tissue biopsies and the marking of GGO nodules for surgery.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Dragan R. Subotic (Beograd, Republic of Serbia), Paola Rogliani (Roma (RM), Italy)

10:45 Ground-glass opacity - computed tomography features
Speaker to be confirmed

11:15 Differential diagnosis of ground-glass opacity lung nodules
Sara Colella (Teramo (TE), Italy)

11:45 Radioguided video-assisted resection of non-palpable solitary pulmonary nodule/ground-glass opacity
Luca Bertolaccini (Bologna (BO), Italy)

12:15 Outcomes of surgical resections of pulmonary ground-glass opacity nodules
Yong Soo Choi (Seoul, Republic of Korea)

10:45 - 12:45

Symposium: Dyspnoea: a multidimensional and multidisciplinary approach

Aims : to provide an overview of the state-of-the-art advances in the multidimensional and multidisciplinary aspects of dyspnoea by focusing on four themes: the neurophysiology of dyspnoea, exercise and dyspnoea, the multidimensional assessment of dyspnoea, and the clinical impact and management of dyspnoea

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Public health Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Thoracic oncologist, Trainee, Adult pulmonologist/Clinician

Chairs : Pierantonio Laveneziana (Paris Cedex 13, France), Janelle Yorke (Manchester (Greater Manchester), United Kingdom)

10:45 Multidimensional assessment methods for dyspnoea profiling in clinical practice and laboratory research
Capucine Morelot-Panzini (La Varenne Saint-Hilaire, France)

11:12 Patient testimonial
Kjartan Mogensen (Reykjavik, Iceland)

11:24 Affective and emotional dimensions of dyspnoea in chronic lung disease
Andreas von Leupoldt (Leuven, Belgium)

11:51 Common mechanisms of exertional dyspnoea in chronic lung disorders
Denis O'Donnell (Kingston (ON), Canada)

12:18 Non-pharmacological interventions for the management of breathlessness
Miriam Johnson (Hull (North Humberside), United Kingdom)

10:45 - 12:45

Symposium: State of the art session: Pulmonary vascular diseases

Aims : To provide state of the art information on different aspects of pulmonary vascular diseases, including pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension, acute pulmonary thromboembolism and right heart function. The launch of the new Assembly 13 “Pulmonary Circulation” a few months after the 6th Pulmonary Hypertension World Symposium (Nice, France, February 2018) presents a unique opportunity for an update on pulmonary vascular diseases.

Disease(s) : Pulmonary vascular diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Student, Adult pulmonologist/Clinician

Chairs : Olivier Sitbon (Le Kremlin-Bicêtre, France), H. Ardeschir Ghofrani (Gießen, Germany)

10:45 Pulmonary arterial hypertension
Marc Humbert (Paris, France)

11:15 Acute pulmonary embolism
David Jiménez Castro (Madrid, Spain)

11:45 Chronic thromboembolic pulmonary hypertension
Marion Delcroix (Leuven, Belgium)

12:15 Right ventricular function and pulmonary haemodynamics
Harm Jan Bogaard (Amsterdam, Netherlands)

10:45 - 12:45

Symposium: Cournand lecture: new paradigms in extracorporeal lung assistance

Aims : Attendees will gain new insights in the physiological mechanisms by which protective/ultra-protective ventilation and support on CO₂ washout promote the outcomes of critically ill respiratory patients who are being treated with extracorporeal membrane oxygenation (ECMO) devices. Attendees will also be updated on the clinical applications of high-flow (i.e., ECMO) and low-flow (i.e., extracorporeal carbon dioxide removal [ECCO₂R]) devices in severe hypoxaemic and hypercapnic respiratory failure.

Disease(s) : Respiratory critical care

Method(s) : Physiology Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, Paediatrician, Patient, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Murali Shyamsundar (Belfast (Belfast), United Kingdom)

10:45 New physiological insights in ECMO
Laurent Brochard (Toronto (ON), Canada)

11:15 Update on ECMO in hypoxaemia
Antonio Pesenti (Monza (MI), Italy)

11:45 Update on ECCO₂R in hypercapnia
Lara Pisani (Bologna (BO), Italy)

12:15 Pitfalls of ECMO
Speaker to be confirmed

10:45 - 12:45

Grand round: Imaging Grand Round**Comprehensive update on (almost) all aspects of lung imaging**

Aims : To promote a multidisciplinary approach to diagnosis of wide variety of lung diseases. To provide an update in the diagnosis and treatment of various lung diseases. To give a basic and differential diagnosis when facing with imaging studies.

Disease(s) : Interstitial lung diseases**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Pulmonary function testing Respiratory intensive care Surgery**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Paediatrician, Pathologist, Physiologist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Johan Coolen (Leuven, Belgium), Nicolas Girard (Paris, France)**10:45 Solid and subsolid pulmonary nodules: differential diagnosis and radiological approach to diagnosis**
Mathias Prokop (Nijmegen, Netherlands)**11:15 Lung cancer: staging with respect to the new 8th TNM-classification**
Cornelia Schaefer-Prokop (Amersfoort, Netherlands)**11:45 Chronic obstructive pulmonary disease: phenotyping and differential diagnosis**
Philippe Grenier (Paris Cedex 13, France)**12:15 Diagnostic criteria for idiopathic pulmonary fibrosis**
Nicola Sverzellati (Parma (PR), Italy)

10:45 - 12:45

Hot topics: Imminent global problems in lung cancer require joint action: time for an international alliance!**The best of ALA/ATS, ESMO, IASLC, JRS and ERS in lung cancer****Aims :** Lung cancer constitutes a substantial global burden for not just patients but also professionals and healthcare systems. Multiple scientific international and national initiatives are tackling the various problems associated with this debilitating and still deadly disease. ALA/ATS, ESMO, IASLC, JRS and ERS will highlight the most recent aspects of care from their individual perspectives, with the aim of building an international lung cancer alliance.**Disease(s) :** Interstitial lung diseases Thoracic oncology**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Imaging Public health Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Mina Gaga (Athens, Greece), Jan van Meerbeeck (Edegem (Antwerp), Belgium)**10:45 Official ceremony for signature of join agreement between ERS and IALSC****10:50 Key issues in optimising and implementing low-dose computed tomography lung cancer-screening programmes**
David Baldwin (Nottingham (Nottinghamshire), United Kingdom)**11:13 The ALA/ATS implementation guide on lung cancer screening**
Carey C. Thomson (Boston, United States of America)**11:36 IASLC PD-L1 Blueprint Project**
Fred R. Hirsch (Aurora, United States of America)**11:59 The Asian experience in co-existing lung cancer and interstitial lung disease**
Yoichi Nakanishi (Fukuoka, Japan)**12:22 Lung cancer immunotherapy**
Solange Peters (Lausanne, Switzerland)

10:45 - 12:45

Poster discussion: Regenerative and anti-fibrotic approaches**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care**Method(s) :** Cell and molecular biology Imaging Endoscopy and interventional pulmonology Transplantation**Chairs :** Darcy Wagner (Lund, Sweden), Maria Rosa Faner Canet (Barcelona, Spain)

LSC - 2018 - Generation of alveolar epithelial cells from human induced pluripotent stem cells for a model of alveolar wound repair

Sander van Riet (Leiden, Netherlands), Dennis Ninaber (D.K.Ninaber@lumc.nl / Leiden University Medical Center, Leiden), Robbert Rottier (r.rottier@erasmusmc.nl / Erasmus MC, Rotterdam), Freund (C.M.A.H.Freund@lumc.nl / Leiden University Medical Center, Leiden), Hiemstra (P.S.Hiemstra@lumc.nl / Leiden University Medical Center, Leiden)

Novel compounds for WNT/ β -catenin induced lung repair in chronic obstructive pulmonary disease

Rita Costa (München, Germany), Darcy E. Wagner, Martina M. De Santis, Kolene E. Bailey, Ali Doryab, Kenji Schorpp, Ina Rothenaigner, Chiharu Ota, Hoeke A. Baarsma, Monica Campillos, Kamyar Hadian, Melanie Königshoff

Immunomodulatory properties of Lung Resident Mesenchymal Stem Cells in patients with COPD

Maria Rosa Faner Canet (Barcelona, Spain), Tamara Cruz, Alejandra López-Giraldo, Guillaume Noell, Alvar Agusti

Cigarette smoke exposure decreases CFLAR expression in bronchial epithelium, augmenting susceptibility for cell death and DAMP release

Simon D. Pouwels (Groningen, Netherlands), Alen Faiz, Irene H. Heijink, Cornelis J. Vermeulen, Victor Guryev, Maarten Van Den Berge, Martijn C. Nawijn

Use of alveolar epithelial cells derived from induced pluripotent stem cell to study alveolar wound repair in vitro

Sander van Riet (Leiden, Netherlands), Dennis Ninaber, Robbert Rottier, Christian Freund, Pieter Hiemstra

Equine decellularized lung: a potential approach for regenerative medicine

Renata Palma (São Paulo (SP), Brazil), Andressa Cereta, Gustavo Matias, Paula Fratini, Leticia Guimarães, Luis Vicente Oliveira, Ramon Farre, Maria Angélica Miglino

Regeneration of functional lung by adult human SOX9+ airway basal cell transplantation

Wei Zuo (, China), Ting Zhang, Tao Ren

Increased proliferation of type 2 alveolar epithelial cells in a pneumonectomy model mice with a deletion of p16ink4a gene.

Bruno Ribeiro Baptista (Nancy, France), Maeva Zysman, Rachid Souktani, Clement Giffard, Muriel Lize, Sandrine Pons, Sophie Lanone, Jorge Boczkowski, Laurent Boyer

Effect of inhaled antioxidants on surfactant phospholipids under prolonged experimental hyperoxia

Iryna Katovich (Minsk, Belarus), Zhanna Rutkouskaya, Anatoly Tahanovich

Pulmonary surfactant as drug delivery system to target lung epithelium: new approach for the treatment of epithelial injury after bleomycin challenge

Elena Lopez Rodriguez (Hannover, Germany), Carolin Laukamp, Lilian Steffen, Matthias Ochs, Lars Knudsen

Electroporation of Hepatocyte growth factor to the lung induces migration of bone marrow mesenchymal stem cells and reduces lung fibrosis

Amiq Gazdhar (Bern, Switzerland), Kleanthis Fytianos, Lars Knudsen, Ronja Schliep, Stefan Müller, Thomas Geiser

The secretome of lung resident mesenchymal stem cells is anti-fibrotic in vitro and in vivo

Katrin Esther Hostettler (Basel, Switzerland), Petra Khan, Amiq Gazdhar, Kleanthis Fytianos, Lei Fang, Fabienne Caldana, Michael Roth, Michael Tamm, Thomas Geiser

GED-0507 as a novel anti-fibrotic treatment option for pulmonary fibrosis

Silvia Specia (Lille, France), Caroline Dubuquoy, Christel Rousseaux, Elodie Jadot, Pierre Desreumaux, Paolo Spagnolo

Phase 2B dose selection of BG00011 for the treatment of idiopathic pulmonary fibrosis (IPF)

Million Arefayene (Cambridge, United States of America), Majd Mouded, Chris Stebbins, Guolin Zhao, Guochen Song, Romy Christmann, Shelia Violette, Diana Gallagher

Scar-in-a-Jar, an in vitro screening tool for antifibrotics

Natasja Gudmann (Herlev, Denmark), Jannie Sand, Sarah Rønnow, Sarah Brockbank, Simon Cruwys, Morten Karsdal, Diana Leeming

Tissue engineering for regeneration in vivo of decellularized trachea scaffolds using a porcine model

Elisa Barrera Ramirez (Ciudad Juárez (Chihuahua), Mexico), Rubén E Garrido Cardona, Edna Rico Escobar, Alejandro Martínez Martínez, Luis F Plenge Tellechea, Alfredo Hernandez, Enrique Vanegas Venegas

10:45 - 12:45

Poster discussion: COPD phenotypes: 1 antitrypsin deficiency and beyond**Disease(s) :** Pulmonary vascular diseases Airway diseases Respiratory critical care Respiratory infections**Method(s) :** Cell and molecular biology General respiratory patient care Imaging**Chairs :** Elizabeth Sapey (Birmingham (West Midlands), United Kingdom), Laura Fregonese (London, United Kingdom)**Effect of exacerbations on lung density in alpha-1 antitrypsin deficiency: Subgroup analysis of the RAPID trial programme**

Charlie Strange (Charleston, United States of America), N. Gerard McElvaney, Claus Vogelmeier, Michael Fries, Jinesh Shah, Amgad Shebl, Oliver Vit, Marion Wencker, Kenneth R. Chapman

Screening of chronic liver disease by transient elastography in patients with lung disease associated with alpha-1 antitrypsin deficiency.

Miriam Barrecheguren Fernandez (Barcelona, Spain), Mónica Pons, María Torres, Ramón Antonio Tubio, Alexa Núñez, Ignacio Martín-Granizo, Montserrat Figueira-Álvarez, Esther Rodríguez, Cristina Esquinas, Joan Genesca, Marc Miravittles

Factors associated with testing of COPD patients for serum AAT levels to detect cases of AATD. The EPOCONSUL study.

Gianna Vargas Centanaro (Madrid, Spain), Juan Luis Rodriguez Hermosa , Joan B Soriano, José Luis López-Campos , Juan José Soler Cataluña, José Rodríguez Gonzalez Moro , Bernardino Alcázar Navarrete, Myriam Calle Rubio

Effects of double dose alpha 1 antitrypsin (AAT) therapy on cytokine pathways in AAT Deficiency (AATD)

Michael Campos (Miami, United States of America), Patrick Geraghty, Gregory Holt, Elio Donna, Eliana Mendes, Luis Escobar, Landy Luna, Robert Stockley

Family screening in alpha1-antitrypsin deficiency

Ana Filipa Cruz e Costa (taveiro, Portugal), Inês Albuquerque Monteiro

Characteristics of COPD patients and alpha-1 antitrypsin deficiency at outpatient respiratory clinics. The EPOCONSUL study.

Gianna Vargas Centanaro (Madrid, Spain), J.L. Rodríguez Hermosa, J.B. Soriano, J.L. López-Campos , J.J. Soler-Cataluña , J.M. Rodríguez Gonzalez Moro , B. Alcázar , M. Calle Rubio

Description and analysis of the Alpha 1 antitrypsin deficient genotypes in the southwest area of Galicia (Spain)

Ramon Antonio Tubio Perez (, Spain), Maria Torres Duran, Milagros Blanco Perez, Cristina Ramos Hernandez, Cecilia Mouronte Roibas, David Dacal Rivas, Victoria Arnalich Montiel, Alberto Fernandez Villar

Clinical phenotyping of COPD patients: a simple tool with prognosis value

Ahmed Ben Saad (Monastir, Tunisia), Nesrine Fahem, Saousen Cheikh Mhamed, Asma Migaou, Samah Joobeur, Naceur Rouatbi

The discriminatory capacity of symptoms to distinguish undiagnosed COPD from non-COPD

Kate Johnson (Vancouver (BC), Canada), Wan Tan, Jean Bourbeau, Mohsen Sadatsafavi

Airway morphometry in COPD-bronchiectasis overlap.

Stephanie Everaerts (Leuven, Belgium), Stijn Verleden, John McDonough, Jef Serré, Carolien Mathysen, Matthieu Boone, Iván Josipovic, Lieven Dupont, Bart Vanaudenaerde, Wim Janssens

Association of NRAMP1 gene polymorphisms with COPD clinical signs

Sophia V. Nesterovich (Tomsk, Russian Federation), Ekaterina B. Bukreeva

Combinative effect of PVT1 and miR-146a single nucleotide polymorphism on the lung function of smokers with chronic obstructive pulmonary disease

Ran Wang (Hefei (Anhui), China), Gengyun Sun

Altered serum metabolomics in COPD: analysis of the SPIROMICS cohort

Wassim Labaki (Ann Arbor, United States of America), Tian Gu, Susan Murray, Jeffrey Curtis, Russell Bowler, R. Graham Barr, Eric Hoffman, Alejandro Comellas, Nadia Hansel, Christopher Cooper, Richard Kanner, Robert Paine Iii, Gerard Criner, Mark Dransfield, Merry-Lynn McDonald, Jerry Krishnan, Eugene Bleecker, Stephen Peters, Prescott Woodruff, Wanda O'Neal, Wenqi Diao, Bei He, Fernando Martinez, Theodore Standiford, Kathleen Stringer, Meilan Han

Analysis and comparison of the transcriptome of COPD patients with and without lung cancer

Renata Ferrari (Botucatu (SP), Brazil), Guillaume Noell, Laura Caram, Suzana Tanni, Ludimila Nogueira, Simone Vale, Erica Hasimoto, Raul Ruiz, Rosa Faner, Alvar Agustí, Irma Godoy

10:45 - 12:45

Poster discussion: Innovative therapies in asthma and COPD**Disease(s) :** Airway diseases**Method(s) :** Imaging General respiratory patient care Epidemiology Cell and molecular biology**Chairs :** Dave Singh (Manchester, United Kingdom), Anirban Sinha (Amsterdam, Netherlands)**Intravenous (IV) reslizumab improves asthma control, symptoms, and quality of life in patients with historically elevated blood eosinophils**

Pascal Chanez (Marseille, France), Yochai Adir, Mario Castro, Laurie Pahun, Mirna McDonald, Lisa Hickey, Margaret Garin

Oral glucocorticoid-sparing effects of mepolizumab. A real-life study.

Anne Sofie Bjerrum (Århus, Denmark), Johannes Schmid, Tina Skjold

Oral corticosteroid (OCS)-sparing effect of tralokinumab in severe, uncontrolled asthma: the TROPOS study

William Busse (Madison, United States of America), Guy Brusselle, Stephanie Korn, Piotr Kuna, Antoine Magnan, David Cohen, Karin Bowen, Teresa Piechowiak, Millie Wang, Gene Colice

Benralizumab efficacy in patients with uncontrolled eosinophilic asthma by age at diagnosis

Sally Wenzel (Pittsburgh, United States of America), Guy Brusselle, Ian Hirsch, James G. Zangrilli, Sarang Rastogi

Serum GAL3 predict response in omalizumab-treated patients with severe allergic asthma: the PROXIMA study

Giorgio Walter Canonica (Milano (MI), Italy), Anna Maria Riccio, Pierluigi Mauri, Marta Bartezaghi, Fabiana Saccheri

Bronchial thermoplasty in severe asthmatics : a retrospective study on 10 cases with one year follow-up

An Frix (Liege, Belgium), Vincent Heinen, Florence Schleich, Bernard Duysinx, Virginie Paulus, Renaud Louis

Further resolution of non-T2 asthma subtypes from high-throughput sputum transcriptomics data in U-BIOPRED

nazanin Zounemat Kermani (hanworth, United Kingdom), Stelios Pavlidis, Mansoor Saqi, Yike Guo, Paul Agapow, Chih-Hsi Kuo, Matthew Loza, Frederic Baribaud, Anthony Rowe, Ana Sousa, Bertrand De Meulder, Diane Lefaudeaux, Louise Fleming, Julie Corfield, Richard Knowles, Charles Auffray, Ratko Djukanovic, Peter J. Sterk, Ian Adcock, Fan Chung

Extrafine glycopyrronium bromide (GB) in addition to extrafine beclomethasone dipropionate/formoterol fumarate (BDP/FF) in uncontrolled asthmatic patients

Mario Scuri (Parma (PR), Italy), Dave Singh, Ilaria Valente, Alessandro Guasconi, Francoise Zuccaro, Alberto Papi

Safety profile of tiotropium add-on therapy in paediatric patients by gender

Christian Vogelberg (Dresden, Germany), Eckard Hamelmann, Michael Engel, Georges El Azzi, Sebastian Dan Vulcu, Stanley Szefer

Methodology of clinical trials in COPD exacerbations: Eligibility criteria and endpoint selection.

Alexander Mathioudakis (Manchester, United Kingdom), Mia Moberg, Julie Janner, Pablo Alonso-Coello, Jørgen Vestbo

Patients' ability to use a novel fluticasone propionate/formoterol breath-triggered inhaler (BTI) vs. budesonide/formoterol dry powder inhaler (DPI)

David Bell (Belfast (Belfast), United Kingdom), Wolfgang Timmer, Lucielle Mansfield, Mark Lomax, Birgit Grothe, Tim Overend

Dual bronchodilation vs triple therapy in the real-life DACCORD study

Carl-Peter Crie (Bovenden, Germany), Peter Kardos, Heinrich Worth, Nadine Lossi, Konstantinos Kostikas, Claus Vogelmeier, Roland Buhl

Lung deflation with indacaterol/glycopyrronium improves pulmonary microvascular blood flow in the CLAIM Study

Jens Vogel-Claussen (Hannover, Germany), Christian-Olaf Schoenfeld, Christoph Czermer, Julius Renne, Till Kaireit, Hanns-Christian Tillmann, Korbinian Berschneider, Simone Hiltl, Johann Bauersach, Tobias Welte, Jens Hohlfeld

Disease control and treatment pathways of asthma patients after initiating ICS/LABA

Roland Buhl (Mainz, Germany), Liam G Heaney, Emil Loeffroth, Paul Michael Larbig, Konstantinos Kostikas, Valentino Conti, Hui Cao

Exacerbations and Eosinophil Levels in ACCESS Cohort Participants Prescribed Inhaled Triple Therapy

Hana Müllerová (Uxbridge (Middlesex), United Kingdom), Celine El-Baou, Dmitry Galkin, Paul Jones

Efficacy and safety profile of xanthines in COPD: a network meta-analysis

Mario Cazzola (Roma (RM), Italy), Luigino Calzetta, Peter J Barnes, Gerard J Criner, Fernando J. Martinez, Alberto Papi, Maria Gabriella Matera

Impact of doxofylline in COPD: a pair-wise meta-analysis

Mario Cazzola (Roma (RM), Italy), Luigino Calzetta, Paola Rogliani, Clive Page, Maria Gabriella Matera

A randomized, placebo controlled 4-week study in COPD of QBW251, a potentiator of the cystic fibrosis transmembrane conductance regulator (CFTR) protein

Steven M. Rowe (Birmingham, United States of America), Nazmul Haque, Stephen Gleason, Ieuan Jones, Kenneth Kulmatycki, David Rowlands, Sarah S. Grant

10:45 - 12:45

Poster discussion: Challenges in treating tuberculosis and nontuberculous mycobacteria**Disease(s) :** Respiratory infections Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Public health Epidemiology**Chairs :** Dirk Wagner (Freiburg, Germany)**Risk score of drug-induced liver injury among new tuberculosis patients**

Diana Ivanova (Moscow, Russian Federation), Diana Ivanova, Sergey Borisov

Ursodeoxy cholic acid (UDCA) reverses hepatotoxicity of multidrug treatment of mycobacterial infections

Susanne Lang (Gera, Germany), Sven Rostig, Helmut Schiffel

Efficacy of small-volume plasmapheresis application for MDR/XDR TB patients with medicinal liver damage?

Anastasia Samoilova (Moscow, Russian Federation), Eduard Vaniev, Irina Vasilyeva, Olga Lovacheva, Atadzhan Ergeshov

The frequency of cases of hepatotoxic reactions in first diagnosed patients with pulmonary tuberculosis

Alexey Kazakov (Moscow, Russian Federation), Galina Mojokina, Sergey Smerdin, Valentina Aksenova, Nadejda Klevno

DETERMINATION OF THE INDIVIDUAL TYPE OF BIOTRANSFORMATION OF ISONIAZID IN PATIENTS WITH LUNG TUBERCULOSIS BY MOLECULAR TESTS

Ksenia Galkina, Elena Nosova, Maria Krasnova, Anastasia Khalhalina, Aleksandra Isakova, Svetlana Safonova

A review of in-house Video Observed Therapy (VOT) for patients with active tuberculosis(TB), in a London teaching hospital.

Kavina Manalan (London, United Kingdom), Krishna Sivakumaran, Michael Nayagam, Beth Villanueva, Catherine Cosgrove, Anne Dunleavy

Video observed treatment for tuberculosis patients in Belarus.

Alena Skrahina (Minsk region, Belarus), Heorhi Sinkou, Vasily Akulov, Viatcheslav Grankov, Alistair Story, Henadz Hurevich, Masoud Dara

Does hospitalization influence tuberculosis' treatment outcome? – A Portuguese nationwide study

Rita Boaventura (Porto, Portugal), João Vasco Santos, João Viana, Alberto Freitas, Raquel Duarte

Tuberculosis in women: A reflection of gender inequity

Kanchan Srivastava (Lucknow (Uttar Pradesh), India), Surya Kant, Apoorva Narain, Jyoti Bajpai

Tuberculosis and tobacco: is there any epidemiological association?

Eva Filipa de Sousa Antunes Dias Padrão (Braga, Portugal), Olena Oliveira, Óscar Felgueiras, Ana Rita Gaio, Raquel Duarte

Comparative study of tuberculosis in smokers and non-smokers

fatimazahra chaabate (CASABALANCA, Morocco), Hasna Jabri, Wiam Elkhatabi, Hicham Afif

A new type of mediterranean mycobacteriosis

Kathleen Jahn (Basel, Switzerland), Veronika Baettig, Helena Seth-Smith, Michael Tamm, Adrian Egli

Characterization of drug susceptibility of nontuberculous mycobacteria of *M.chelonae* and *M.fortuitum* complexes.

Marina Makarova (Nizhnekamsk (Republic Tatarstan), Russian Federation), Elena Khachaturiants, Maria Krasnova, Ksenia Galkina, Julia Mikhailova, Lidia Guntupova, Vitalii Litvinov

Drug susceptibility of slowly growing nontuberculous mycobacteria (sNTM) isolated in the European part of Russian Federation

Tatiana Smirnova (Moscow, Russian Federation), Atadzhan Ergeshov, Sofya Andreevskaya, Irina Andrievskaya, Ekaterina Kiseleva, Elena Larionova, Larisa Chernousova

Significance of *Mycobacterium Avium* Complex (MAC) isolation in bronchoscopic samples

Eva Tabernero Huguet (Bilbao (Bizkaia), Spain), Sandra Pedrero Tejada, Idoia Salinas Garrido, Elena Urra Zabildegotia, Isabel Lopez Aranaga, Rafael Zalacain Jorge

Association between injectable aminoglycoside treatment duration and outcomes in cavitary *Mycobacterium avium* complex lung disease

Ock-Hwa Kim (Seoul, Republic of Korea), Byoung Soo Kwon, Younsuck Koh, Woo-Sung Kim, Jin-Woo Song, Yeon-Mok Oh, Sang-Do Lee, Sei Won Lee, Jae-Seung Lee, Chae-Man Lim, Chang-Min Choi, Jin-Won Huh, Sang-Bum Hong, Tae Sun Shim, Kyung-Wook Jo

The effect of alcohol consumption in the treatment of nontuberculous mycobacteria

Maria Gabriel Gonçalves Jacob (Porto, Portugal), Ricardo Silva, Rita Gaio, Raquel Duarte, Bethany Ahlers (Bethany.Ahlers@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Catrina Hood (Catrina.Hood@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Bin Deng (Bin.Deng@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Ying-Wai Lam (Ying-Wai.Lam@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Erica Beatman (BeatmanE@NJHealth.org / National Jewish Health, Denver, CO), Kelly Schweitzer (SchweitzerK@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Irina Petrache (PetracheI@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Daniel Weiss (daniel.weiss@uvm.edu / University of Vermont, College of Medicine, Burlington, VT), Darcy Wagner (darcy.wagner@med.lu.se / Lund University, Lund)

10:45 - 12:45

Poster discussion: Assessing pathophysiology in children

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology General respiratory patient care Imaging Endoscopy and interventional pulmonology Epidemiology

Chairs : Shannon Simpson (Perth (WA), Australia), Peter Coss (Dublin 8, Ireland)

Evaluating the respiratory health of children with spinal muscular atrophy (SMA) type 1 on Nusinersen

Chris Grime (Liverpool, United Kingdom), Lisa Edel, Victoria Robinson, Gareth Rendel, Francois Abel, Elaine Chan

Comparison of oxygen desaturation index and apnoea-hypopnoea index for categorising OSA in children.

Courtney Dos Santos (London, United Kingdom), Martin Samuels, Aidan Lavery, Emma Raywood

Residual obstructive sleep apnoea symptoms after adenotonsillectomy in children

Mahesh Babu Ramamurthy (Singapore, Singapore), Michael T C Lim, Daniel Y.T Goh, Woei Shyang Loh, Maria Jimenez

Evaluation of the sleep history in predicting sleep disordered breathing in children

Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), David Luyt

Obstructive events in children with Prader-Willi syndrome occur predominantly during REM sleep

Athanasios G. Kaditis (Athens, Greece), Anastasia Polytarchou, Georgia Katsouli, Marina Tsaousoglou, Polytimi Panaghiotopoulou-Gartagani

Can Drug- Induced Sleep Endoscopy in children predict OSA persistence after adenotonsillectomy

Silke Anna Theresa Weber (Botucatu (SP), Brazil), Jefferson Barros, Antonio Carlos Marão

Usefulness of symbolic dynamics to characterize oximetric recordings from a smartphone in the detection of pediatric sleep apnea

Daniel Álvarez (Valladolid, Spain), Ainara Garde, Andrea Crespo, Fernando Vaquerizo-Villar, Gonzalo C Gutiérrez-Tobal, Ana Cerezo-Hernández, J Mark Ansermino, Guy A Dumont, Roberto Hornero, Félix Del Campo

Diagnosis of peripheral obstructive pattern in children

Nicole Beydon (Paris, France), Edouard Dufetelle

Effect of preterm-birth on later bronchial hyper-responsiveness: a systematic review.

Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Thomas Halvorsen, Hege Clemm, Sailesh Kotecha

Ventilatory efficiency during exercise: data from a contemporary cohort of preterm-born children

John Lowe (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Michael Cousins, Sailesh Kotecha

Exercise capacity and response of exercise-induced bronchoconstriction to bronchodilator in preterm-born children with low lung function

Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Mark Williams, John Henderson, Sailesh Kotecha

Forced oscillation technique to assess exercise and post-exercise bronchodilator responses in preterm-born children

Michael Cousins (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Bence Radics, Dorottya Czovek, Zoltan Hantos, Peter Sly, John Henderson, Sailesh Kotecha

Effect of late preterm birth on Lung Clearance Index and respiratory physiology in school age children

Karin Yaacoby-Bianu (Haifa, Israel), Moran Toder Plonsky, Michal Gur, Amir Kugelman, Lea Bentur

Effect of respiratory muscle function on exercise capacity of school-aged children born preterm

Sotirios Fouzas (Patras, Greece), Aggeliki Vervenioti, Gabriel Dimitriou

PERINATAL INFLAMMATION AND INTRAUTERINE GROWTH RETARDATION ARE BOTH ASSOCIATED WITH LUNG FUNCTION IMPAIRMENT AT 12 YEARS OF AGE IN VERY PRETERM INFANTS

Cecilia Hagman (Lund, Sweden), Ingrid Pupp-Hansen, Lars Bjorklund, Ellen Tufvesson

Feasibility of specific ventilation imaging using oxygen enhanced magnetic resonance imaging (OEMRI) in adolescents.

Rathnini Jayasuriya (Sydney (NSW), Australia), Terri Walker, Rui Sá, Paul Robinson, Greg King, Kim Prisk, Rebecca Theilman, Emma Coward, Brendan Kennedy, Hiran Selvadurai

Functional dead space in children with cystic fibrosis or primary ciliary dyskinesia.

Florian Singer (Bern, Switzerland), Benjamin Stettler, Jeremias Wolfensberger, Insa Korten, Carmen Casaulta, Sylvia Nyilas, Cordula Rettberg, Kathryne Ramsey, Philipp Latzin

Natural variability of lung clearance index and FEV1 in children and young adults with Primary Ciliary Dyskinesia

Florian Singer (Bern, Switzerland), Anne Schlegte, Sylvia Nyilas, Philipp Latzin, Mieke Boon, Cordula Koerner-Rettberg

10:45 - 12:45

Poster discussion: Orphan diseases in children**Disease(s) :** [Interstitial lung diseases](#) [Respiratory infections](#) [Airway diseases](#) [Pulmonary vascular diseases](#)**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Imaging General respiratory patient care Surgery Epidemiology Physiology Transplantation**Chairs :** Deborah Snijders (Ponzano Veneto (TV), Italy)**Ciliary beating patterns in PCD patients of Greek origin: a four-year experience**

Grigorios Chatziparasidis (Trikala, Greece), Konstantinos Douros, Barbara Mpoutopoulou, Marios Papadopoulos, Vasilis Grammeniatis, Katerina Dimakou, Kostas Priftis

Outcomes in idiopathic pulmonary haemosiderosis in children are highly heterogeneous

Frederik Buchvald (Vejby, Denmark), Astrid Madsen Ring, Kim Gjerum Nielsen

Pulmonary Complications After Hematopoietic Stem Cell Transplantation In Pediatric Hematology Patients

Neslihan Do ulu (Ankara, Turkey), Elif Ince, Talia Ileri, Mehmet Ertem, Nazan Cobanoglu

Newborn screening for CF: first three years experience in Hacettepe University

Mina Gharibzadeh Hizal (Ankara, Turkey), Ebru Yalçın, Sanem Eryılmaz, Nagehan Emiralioğlu, Deniz Do ru Ersöz, Uur Özçelik, Nural Kiper

Pigeon breeder's disease as hypersensitivity pneumonia

Ayşe Tana Aslan (Ankara, Turkey), Tu ba Ramazlı Gürsoy, Tu ba i manlar Eyübo lu, Öznur Boyuna a

Cladribine as a second line treatment in a child with isolated pulmonary Langerhans cell histiocytosis – case report

Honorata Marczak (Warszawa, Poland), Joanna Lange, Katarzyna Krenke, Stanislaw Boguslawski, Katarzyna Smalisz, Iwona Malinowska

FIRST LINE TREATMENT FOR FOREIGN BODY ASPIRATION IN CHILDREN: FLEXIBLE BRONCHOSCOPY

Adem Yasar (Manisa, Turkey), Hasan Yuksel, Ozge Yilmaz, Arzu Acikel, Yurda Basbay, Ismet Topcu

The prevalence of non-cystic fibrosis bronchiectasis in a pediatric respiratory unit

Aleksandra Zver (Ljubljana, Slovenia), Malena Aldeco, Uroš Krivec, Dušanka Lepej, Marina Praprotnik, Ana Kotnik Pirs

Sleep characteristic in children with interstitial lung disease, a case series

Stanislaw Boguslawski (, Poland), Katarzyna Krenke, Joanna Lange, Honorata Marczak

Flexible bronchoscopy in children and adolescents with cystic fibrosis

Uros Krivec (Ljubljana, Slovenia), Marina Praprotnik, Malena Aldeco, Dusanka Lepej, Ana Kotnik Pirs, Aleksandra Zver

Multiple Breath Washout in clinical routine: Quality control of N2MBW measurements in paediatric lung transplant recipients

Julia Carlens (Hannover, Germany), Nicolaus Schwerk, Carsten Müller, Gesine Hansen, Philipp Latzin, Kathryn Ramsey

Xpert MTB/RIF on bronchoalveolar lavage(BAL) samples reduces the need for transbronchial needle aspiration biopsy (TBNA) in children with suspected intrathoracic tuberculosis (TB) .

Pierre Goussard (Bellville, South Africa), Robert Gie, Elizabeth Walters, Corne Bosch, Anneke Hesseling, Julie Morrison, Rolanda Croucamp, Anne- Marie Demmers

Follow-up of Congenital Lung Malformations (CLM) in a Pediatric tertiary center

Ana Curado (Lisboa, Portugal), Carolina Gonçalves, Ana Saianda, André Graça, Luísa Lobo, Miroslava Gonçalves, Teresa Bandeira

The relationship between bronchoscopy, radiology and microbiology in non cystic fibrosis patients

Ayşe Ayzit Atabek (Istanbul, Turkey), Erkan Çakır, Fatouma Khalif Abdillahi, Lina Mohammed An Shadfan, Hayrettin Daskaya, Sabriye Sennur Bilgin, Bilge Gultepe

Methylprednisolone pulse treatment influences splicing of SFTPC mRNA and promotes processing of pro-SP-C protein in twins with SFTPC mutation

Celine Delestrain (Creteil, France), Marion Onnee, Abdel Aissat, Valerie Delattre, Elodie Nattes, Bruno Costes, Alix De Becdelievre, Stephanie Simon, Pascale Fanen, Ralph Epaud

A novel non-BRICHOS surfactant protein C mutation causing infantile interstitial lung disease is associated with reduced mature SP-C level

Celine Delestrain (Creteil, France), Sylvain Blanchon, Julie Abbai, Elodie Nattes, Abdel Aissat, Valérie Delattre, Stéphanie Simon, Agathe Tarze, François Bremont, Ralph Epaud, Pascale Fanen

Medication for childhood interstitial lung diseases differs internationally

Sabine Witt (Neuherberg, Germany), Boglarka Szentes, Andrew Bush, Steve Cunningham, Nural Kiper, Joanna Lange, Reiner Leidl, Suzanne Terheggen-Lagro, Nicolaus Schwerk, Deborah Snijders, Matthias Griese, Larissa Schwarzkopf

Causative bacteria in protracted bacterial bronchitis are biofilm forming species

Konstantinos Douros (Athens, Greece), Stylianos Chatzipanagiotou, Angeliki Galani, Gregory Chatziparasidis, Vana Papaevangelou, Kostas Priftis

10:45 - 12:45

Oral presentation: A fresh view on airway differentiation and regeneration

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Chairs : Herbert Schiller (Munich, Germany), H. Irene Heijink (Groningen, Netherlands)

10:45	LSC - 2018 - miR449 protects airway cilia and healthy lung ageing Muriel Lizé (Göttingen, Germany), Merit Wildung (mwildun1@gwdg.de / University Medical Center Goettingen, Clinic for Cardiology and Pneumology, Goettingen), Christian Herr (christian.herr@uks.eu / Department of Internal Medicine V- Pulmonology, Allergology, Respiratory and Environmental Medicine, Saarland University, Homburg), Mihai Alevra (malevra@gwdg.de / University of Goettingen, Goettingen), Stefan Andreas (stefan.andreas@med.uni-goettingen.de / University Medical Center Goettingen, Clinic for Cardiology and Pneumology, Goettingen), Dietmar Riedel (driedel@gwdg.de / Max Planck for Biophysical Chemistry, Goettingen)
11:00	COPD epithelial phenotype shows partial reversibility in long-term primary epithelial ALI-cultures François Carlier (Watermael-Boitsfort, Belgium), Bruno Detry, Yves Sibille, Charles Pilette
11:15	cKIT cells in human bronchial epithelium in asthma Asuncion Martinez Anton (Marseille, France), Delphine Gras, Céline Garulli, Patrice Dubreuil, Pascal Chanez
11:30	Differentiation of Induced Pluripotent Stem Cells (iPSC) into human bronchial epithelium from healthy and severe COPD patients. Engi Ahmed (Montpellier, France), Said Assou, Mathieu Fieldes, Isabelle Vachier, Pascal Chanez, John De Vos, Arnaud Bourdin
11:45	Novel cell types and altered cell states in asthma revealed by single-cell RNA sequencing of airway wall biopsies. Martijn Nawijn, Orestes Carpaij, Felipe Vieira Braga, Marijn Berg, Sharon Brouwer, Gozde Kar, Sarah Teichmann, Maarten Van Den Berge
12:00	From Dictyostelium to human airway epithelium: adenine nucleotide translocase enhances cellular respiration and ciliary function disrupted by cigarette smoke Jennifer Nguyen (Baltimore, United States of America), Corrine Kliment, Yawen Lu, Steven Claypool, Sumana Raychaudhuri, Shigeki Watanabe, Pablo Iglesias, Venkataramana Sidhaye, Douglas Robinson
12:15	Functional analysis of PIERCE1, in motile ciliogenesis Priyanka Anujan (SHEFFIELD, United Kingdom), Sudipto Roy, Lynne Bingle, Colin D Bingle

10:45 - 12:45

Oral presentation: Pleural disease: diagnosis, monitoring and management

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Physiology

Chairs : Marios E. Froudarakis (Alexandroupolis, Greece)

10:45	The DIAPHRAGM study: Diagnostic and prognostic biomarkers in the rational assessment of Mesothelioma Selina Tsim (Glasgow (Glasgow), United Kingdom), Caroline Kelly, Laura Alexander, Ann Shaw, James Paul, Rosemary Woodward, John Foster, Kevin Blyth
11:00	Recurrence rates in primary spontaneous pneumothorax: results of systematic review Steven Walker (Bristol (Avon), United Kingdom), Paul White, Nick Maskell
11:15	Results of pre-EDIT; a randomised feasibility trial of Elastance-Directed Intra-pleural catheter or Talc Pleurodesis (EDIT) in malignant pleural effusion Kevin Blyth (Glasgow (Glasgow), United Kingdom), Geoffrey Martin, Andrew Kidd, Selina Tsim, Rosmary Woodward, Tracey Hopkins, John Foster, Philip Mcloone
11:30	Needle Based Confocal Laser Endomicroscopy (nCLE) for Diagnosing Malignant Pleural Mesothelioma Lizzy Wijmans (Amsterdam, Netherlands), Maria Disselhorst, Daniel De Bruin, Joris Roelofs, Onno Mets, Peter Bonta, Paul Baas, Jouke Annema
11:45	Intrapleural anaesthesia for medical thoracoscopy - a pilot study Mahmoud Reda (Alexandria, Egypt), Mahmoud Reda, Asmaa Gomaa, Maged Hassan, Mostafa Shaheen, Salah Sorour
12:00	Does talc increase risk of non-draining septated pleural effusion after indwelling pleural catheter insertion? Rachelle Ascik (Oxford (Oxfordshire), United Kingdom), Rachel M Mercer, Robert J Hallifax, Maged F Hassan, Nikolaos Kanellakis, John M Wrightson, Ioannis Psallidas, Najib M Rahman
12:15	68Ga-DOTA-NT-20.3. An innovative probe for neurotensin receptor-positive tumor imaging in the diagnosis of malignant pleural mesothelioma Manuela Marengo (PAVIA (PV), Italy), Vanessa Frangipane, Marina Hodolic, Simona Inghilleri, Giulia Maria Stella, Federica Meloni, Lorenzo Lodola

10:45 - 12:45

Oral presentation: Clinical news in idiopathic interstitial pneumonias**Disease(s) :** Interstitial lung diseases Thoracic oncology**Method(s) :** General respiratory patient care Respiratory intensive care Imaging Transplantation Epidemiology Endoscopy and interventional pulmonology Cell and molecular biology**Chairs :** Vincent Cottin (Lyon, France), Sara Tomassetti (Forli, Italy)

- 10:45** **Four metre gait speed (4MGS) predicts mortality and hospitalisation in IPF**
Claire M. Nolan (London, United Kingdom), Matthew Maddocks, Toby M Maher, Sarah E Jones, Suhani Patel, Ruth E Barker, Peter M George, Paul Cullinan, William D-C Man
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- 11:00** **A global perspective on acute exacerbation of idiopathic pulmonary fibrosis (AE-IPF): results from an international survey**
Michael Kreuter (Heidelberg, Germany), Markus Polke**, Simon Walsh, Harold R Collard, Nazia Chaudhuri, Sergey Avdeev, Juergen Behr, Greg Calligero, Tamera Corte, Kevin Flaherty, Manuela Funke, Martin Kolb, Yasuhiro Kondoh, Toby M. Maher, Maria Molina Molina, Antonio Morais, Karen Moor, Julie Morisset, Carlos Pereira, Silvia Quadrelli, Moises Selman, Argyrios Tzouvelekis, Carlo Vancheri, Vanesa Vicens-Zygmunt, Julia Waelscher, Wim Wuyts, Marlies Wijsenbeek**, Vincent Cottin**, Elisabeth Bendstrup**
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- 11:15** **Associations of interstitial lung abnormalities with physical function measures**
Gisli Thor Axelsson (Selfoss, Iceland), Rachel K Putman, Ezra R Miller, Tetsuro Araki, Sigurdur Sigurdsson, Elias F Gudmundsson, Gudny Eiriksdottir, Kristin Siggeirsdottir, Thor Aspelund, Lenore J Launer, Tamara B Harris, Hiroto Hatabu, Vilundur Gudnason, Gary M Hunninghake, Gunnar Gudmundsson
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- 11:30** **INTERSTITIAL LUNG DISEASE IN A LUNG CANCER SCREENING PROGRAM: PREVALENCE AND ASSOCIATION WITH CANCER.**
Aranzazu Campo Ezquibela (Pamplona (Navarra), Spain), Amaia Merino Hernandez, Jessica Gonzalez Gutierrez, Marta Marin Oto, Ana Belen Alcaide Ocana, Juan Pablo De Torres Tajés, Javier Zulueta Frances
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- 11:45** **Longitudinal outcomes of patients enrolled in a phase Ib clinical trial of the Adipose Derived Stromal Cells-Stromal Vascular Fraction in Idiopathic Pulmonary Fibrosis**
Paschalis Ntoliou (Alexandroupolis, Greece), Eleni Manoloudi, Argyrios Tzouvelekis, Evangelos Bouros, Paschalis Steiropoulos, Stavros Anevlavis, Demosthenes Bouros, Marios Froudarakis
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- 12:00** **Nintedanib plus sildenafil in patients with idiopathic pulmonary fibrosis (IPF): the INSTAGE trial**
Martin Kolb (Hamilton (ON), Canada), Athol Wells, Jürgen Behr, Luca Richeldi, Birgit Schinzel, Manuel Quaresma, Susanne Stowasser, Ganesh Raghu, Fernando J Martinez
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- 12:15** **Contribution of mutations in genes of the surfactant system to idiopathic interstitial pneumonia (IIP)**
Nadia Nathan (Paris, France), Marie Legendre, Emilie Filhol-Blin, Raphael Borie, Diane Bouvry, Mickael Afanetti, Kais Ahmad, Juliette Albuisson, Nathalie Allou, Carole Bailly, Keren Borensztajn, Afifaa Butt, Bruno Copin, Aurore Coulomb L'Hermine, Bruno Crestani, Jean-Charles Dalphin, Marie-Laure Dalphin, Florence Dastot Le Moal, Christophe Delacourt, Bertrand Delaisi, Antoine Deschildre, Paul De Vuyst, Bruno Diot, Claire Dromer, Jean-Christophe Dubus, Philippe Duquesnoy, Lisa Giovannini-Chami, Violaine Giraud, Carine Gomez, Anne Gondouin, Laurent Gouya, Alice Hadchouel, Sandrine Hirschi, Veronique Houdouin, Dominique Israel Biet, Caroline Kannengiesser, Claire Lefevre, Effrosyne Manali, Sylvain Marchand-Adam, Christophe Marguet, Jean-Marc Naccache, Valerie Nau, Hilario Nunes, Oisín O'Connell, Katherine O'Reilly, Spyros Papiris, Clement Picard, Gregoire Prevot, Philippe Reix, Martine Reynaud-Gaubert, Elisabeth Rivaud, Elise Schaefer, Aurelie Tatopoulos, Julie Traclet, Françoise Troussier, Dominique Valeyre, Vincent Cottin, Annick Clement, Serge Amselem

10:45 - 12:45

Oral presentation: Cystic fibrosis: microbiological aspects and new treatments**Disease(s) :** Respiratory infections**Method(s) :** General respiratory patient care Imaging Cell and molecular biology Epidemiology**Chairs :** Jürg Barben (St. Gallen, Switzerland), Edward McKone (Dublin, Ireland)

- 10:45** **Prevalence and effect of early lower airway infections in cystic fibrosis**
Oded Breuer (Perth, Australia), André Schultz, Lidija Turkovic, Sarath Ranganathan, Stephen Stick, Daan Caudri
-
- 11:00** **Prospective case-control study describing the lower airway microbiome in pre-school children with cystic fibrosis**
Barry Linnane (Co. Limerick, Ireland), Paul Cotter, Orla O'Sullivan, Fiona Crisbie, Aaron Walsh, Julie Renwick, Paul McNally
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- 11:15** **Antibody testing for Mycobacterium avium complex infection in cystic fibrosis patients**
Cecilie Ravnholt (Copenhagen N, Denmark), Tavs Qvist, Tania Pressler, Mette Kolpen, Niels Høiby

- 11:30** **Detection of *Pseudomonas aeruginosa* in exhaled breath of cystic fibrosis patients**
Anne H. Neerinx (Amsterdam, Netherlands), Paul Brinkman, Pim Van Der Gouwe, Tamara Paff, Niki Fens, Marije G. Gerritsen, Eric Haarman, Wim M.C. Van Aalderen, Christof J. Majoor, Els J.M. Weersink, Lieuwe D. Bos, Peter J. Sterk, Anke-Hilse Maitland-Van Der Zee & The Amsterdam Cf Research Group
- 11:45** **Distinct volatile markers from Cystic Fibrosis pathogens with Secondary Electrospray Ionisation High-resolution Mass Spectrometry (SESI-HRMS)**
Astghik Baghdasaryan (Yerevan, Armenia), Tobias Bruderer, Simona Mueller, Ronja Weber, Naemi Haas-Baumann, Srdjan J. Micic, Christoph Berger, Renato Zenobi, Alexander Möller
- 12:00** **Randomized, double-blind, controlled trial of preventive inhalation of hypertonic saline in infants with CF (PRESIS)**
Mirjam Stahl (Heidelberg, Germany), Mark Wielpuetz, Isabell Ricklefs, Simon Graeber, Olaf Sommerburg, Gesa Diekmann, Christian Dopfer, Sandra Barth, Anne Schlegtehdal, Cordula Koerner-Rettberg, Lutz Naehrlich, Burkhard Tuemmler, Matthias Kopp, Marcus Mall
- 12:15** **Targeting aENaC with an epithelial RNAi trigger delivery platform for the treatment of cystic fibrosis**
Erik Bush (Madison, United States of America), Anthony Nicholas, Tao Pei, Ine Kuipers, Weijun Cheng, Holly Hamilton, Julia Hegge, Xiaokai Li, Agnieszka Glebocka, Rui Zhu, Bo Chen, Philip Kuehl, Thomas Schlupe, Zhen Li

10:45 - 12:45

Oral presentation: Mechanisms that underlie exercise limitation in various respiratory diseases

Disease(s) : Pulmonary vascular diseases Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Epidemiology

Chairs : J. Alberto Neder (Kingston (ON), Canada), Zafeiris Louvaris (Leuven, Belgium)

- 10:45** **Effects of maximal volitional hyperpnoea on exercise tolerance and locomotor muscle fatigue**
Michael Johnson (Nottingham (Nottinghamshire), United Kingdom), Robert Needham, Ryan Williams, Jack Ashby, Neil Williams, Dean Mills, Graham Sharpe
- 11:00** **Sensory consequences of critical inspiratory constraints during exercise in pulmonary arterial hypertension**
Franciele Plachi (Porto Alegre, Brazil), Rui Dorneles, Bianca Feldmann, Vinicius Timm, Igor Benedetto, Marcelo Gazzana, José Alberto Neder, Danilo Cortozi Berton
- 11:15** **Impaired cerebral oxygenation and exercise tolerance in patients with severe obstructive sleep apnoea syndrome**
Mathieu MARILLIER (Echirolles, France), Mathieu Gruet, Sebastien Baillieul, Bernard Wuyam, Renaud Tamisier, Patrick Levy, Jean-Louis Pepin, Samuel Verges
- 11:30** **Thoracoabdominal asynchrony contributes to exercise limitation in mild asthmatic subjects**
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Antonio Sarmento, Janaina Pinto, Antonella Lomauro, Vanessa Resqueti, Andrea Aliverti
- 11:45** **The relationship between lung function and blood pressure and the mediation role of physical activity and cardiorespiratory fitness in adults: cross-sectional results from the EPIMOV study**
Victor Dourado (Santos (SP), Brazil), Flávio Almeida, Vitor Almeida, Evandro Sperandio, Marcello Romiti, Antônio Gagliardi, Rodolfo Arantes
- 12:00** **Exercise ventilatory inefficiency in adults with Cystic Fibrosis with normal to moderate impairment in lung function**
Marcello Di Paolo (Roma (RM), Italy), Elisabetta Teopompi, Daniela Savi, Ernesto Crisafulli, Chiara Longo, Panagiota Tzani, Francesco Longo, Antonella Ielpo, Giovanna Pisi, Giuseppe Cimino, Alfredo Chetta, Paolo Palange
- 12:15** **Exercise capacity in patients with cystic fibrosis vs non-cystic fibrosis bronchiectasis**
Ronen Bar-Yoseph (Haifa, Israel), Anat Ilivitzki, Michal Gur, Gur Mainzer, Fahed Hakim, Galit Livnat, Zeev Schnapp, George George Shalloufeh, Merav Zucker-Toledano, Yael Subar, Lea Bentur

11:00 - 13:00

Professional development: PDW3 Leading and managing change

Aims : To increase the ability of the delegates to identify the causes of resistance to change and the strategies to overcome this resistance; to utilise steps in planned change; to communicate and motivate effectively throughout change; and to engage staff members in the change process.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Louellen N. Essex (Wayzata, United States of America), Gernot G.U. Rohde (Frankfurt am Main, Germany)

Why change efforts might fail: what the research tells us

Louellen N. Essex (Wayzata, United States of America)

The personal response to change

Louellen N. Essex (Wayzata, United States of America)

The planned change process: steps and guidelines

Louellen N. Essex (Wayzata, United States of America)

The leader as a role model

Louellen N. Essex (Wayzata, United States of America)

Question and answer session

Louellen N. Essex (Wayzata, United States of America)

Action planning: how to apply what has been learned

Louellen N. Essex (Wayzata, United States of America)

12:30 - 17:00

Game Zone: GAME ZONE - SESSION 2

Ultrasound

Speaker to be confirmed

Interventional bronchoscopy

Speaker to be confirmed

12:50 - 14:40

Thematic poster: Physiological and biological insights in asthma

Disease(s) : Airway diseases Respiratory infections

Method(s) : Physiology General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Surgery Epidemiology

Chairs : Parakkal Sukumaran (Kottayam (Kerala), India), Szymon Skoczy ski (Katowice, Poland), Chair to be confirmed

The Severe Asthma Registry – German data

Stephanie Korn (Mainz, Germany), Maike Wilk, Christian Schulz, Rainer Ehmann, Marco Idzko, Eckard Hamelmann, Roland Buhl

Role of CD163 in human fatal asthma and murine asthma model.

Yoshihisa Tokunaga (Kurume, Japan), Haruki Imaoka, Yoshitaka Morimatsu, Yoichiro Kaku, Yuki Sakazaki, Masanobu Matsuoka, Yoshihiro Komohara, Tomotaka Kawayama, Motohiro Takeya, Tomoaki Hoshino

Two therapy option in patients with uncontrolled asthma

Elena Jovanovska Janeva (Skopje, FYROM (Macedonia)), Dejan Dokic, Biserka Kaeva, Gorica Breskovska, Zlatica Goseva, Zoran Arsovski, Magdalena Dimitrova, Dejan Trajkov, Olgica Sibinovska

Long-term effects of a high intensity life style program in obese patients with asthma

Yasemin Türk (Rotterdam, Netherlands), Willy Theel, Astrid Van Huisstede, Erwin Birnie, Pieter Hiemstra, Christian Taube, Gert-Jan Braunstahl

Vitamin D as a marker of worsening of the bronchial asthma course during pregnancy

Tatiana Luchnikova (Blagoveshchensk (Amur Oblast), Russian Federation), Olga Prikhod'Ko, Valeriy Voicehovskiyi, Elena Romantsova

Adrenal insufficiency in patients with severe bronchial asthma. Evaluation employing standard response curve of rapid ACTH test in non-asthmatic healthy controls.

Michiko Haida (Tokyo, Japan), Michiko Haida, Katsutoshi Ogawa, Takahiro Inoue, Akihiko Hashiguchi

Predictors of functional exercise capacity in asthmatic children and adolescents

Aylin Tanr verdi (Izmir, Turkey), Ismail Ozsoy, Buse Ozcan Kahraman, Serap Acar, Asli Papurcu, Nazenin Hande Sezgin, Karya Polat, Gizem Atakul, Nevin Uzuner, Suna Asilsoy, Sema Savci

Impact of acute active and passive stress on physiological responses in adults with asthma

Simon Bacon (Montréal (QC), Canada), Annik Plourde, Nicola Paine, Andre Cartier, Kim Lavoie

Psychological comorbidities in difficult asthma within the WATCH cohort

Matt Harvey (Gosport (Hampshire), United Kingdom), Adnan Azim, Yvette Thirlwall, Kerry Gove, Colin Newell, Deborah Knight, Karen Long, Hans Michael Haitchi, Ramesh Kurukulaaratchy

Frequency of undiagnosed bronchiectasis in patients suffering from severe persistent asthma

Tahir Khan (Quetta, Pakistan), Fouzia Raza, Nasir Azeem, Farooq Uighor, Shereen Khan

CCQ and ACQ scores in obstructive lung disease: one questionnaire for all?

Tjeerd van der Veer (Amsterdam, Netherlands), J.C.C.M. In 't Veen

10 Year evaluation of patients with severe uncontrolled allergic asthma treated with Omalizumab.

Olga R ži ková-Kirchnerová (Plzeň, Czech Republic), Petra Moláková, Milan Tešl, Petr Vaník, Petr Panžner

Supraglottoplasty in patients with Exercise induced laryngeal obstruction (EILO)

Astrid Sandnes (Gjøvik, Norway), Magnus Hilland, Tiina Andersen, Maria Vollsæter, Ingvild Ø Engesæter, John-Helge Heimdal, Thomas Halvorsen, Ola D Røksund, Hege H Clemm

Evaluation of the degree of agreement between the post bronchodilator test and bronchial hyper-responsiveness: pilot study.

Michelle Andrea Espinoza Solano (Sevilla, Spain), Cándido Fernández García, Laura Carrasco Hernández, Maria Abad Arranz, Eduardo Márquez Martín, Carmen Calero, Francisco Ortega Ruiz, José Luis López Campos

GLN27GLU POLYMORPHISM IN THE β 2-ADRENERGIC RECEPTOR GENE AND THE RISK OF ARTERIAL HYPERTENSION IN PATIENTS WITH BRONCHIAL ASTHMA

Vladyslava Kmyta (Sumy, Ukraine), Anna Bondarkova, Lyudmyla Prystupa

A case series of patients with ABPA presenting with lobar collapse at a university teaching hospital

Radhika Banka (Mumbai (Maharashtra), India), Ajay Kamath

Relations between serum lipid levels and inflammatory markers in obese asthma.

Cathelijne van Zelst (Rotterdam, Netherlands), Geertje De Boer, Gerdien Tramper, Gert-Jan Braunstahl

Local cytokine profile specifics among patients with BA phenotype, associated to allergic rhinitis: allergic rhinitis and bronchial asthma.

Natalia Tataurshchikova (Moscow, Russian Federation)

A heat and moisture exchange mask to reduce exercise induced bronchoconstriction severity

Anna Jackson (London, United Kingdom), James Hull, James Hopker, William Gowers, John Dickinson

C - Reactive Protein level in obese asthmatic patients

Ines laouini (nabeul, Tunisia), Haifa Zaibi, Jihen Ben Ammar, Sarra Mazaoui, Dorra Karray, Med Ali Baccar, Salwa Azzebi, Besma Dhahri, Hichem Aouina

12:50 - 14:40

Thematic poster: Tobacco use and cessation interventions in patients with respiratory, cardiovascular and mental health problems and other populations**Disease(s) :** Airway diseases Sleep and breathing disorders Respiratory infections**Method(s) :** Public health General respiratory patient care Epidemiology Physiology Cell and molecular biology**Chairs :** Sofia Belo Ravara (Covilhã, Portugal), James Allinson (London, United Kingdom), Keir E. Lewis (Llanelli (Dyfed), United Kingdom), Athina Diamanti (Pefki, Greece)**Active and passive smoking during pregnancy**

Athina Diamanti (Pefki, Greece), Vasilios Raftopoulos, Katerina Lykeridou, Aikaterini Daliani, Stamatia Giannareli, Stamatina Palaïou, Sotiria Schoretaniti, Efthimios Zervas, Christina Gratziou, Paraskevi Katsaounou

Effect of a short tobacco cessation intervention among pregnant women: pilot results of the TOB-G project

Constantine Vardavas (Athens, Greece), Theodosia Peleki, Victoria Vivilaki, Vergina Vyzikidou, Sophia Papadakis, Andriani Loukopoulou, Vaso Evangelopoulou, Panagiotis Behrakis

smoking cessation program: where do our patients come from?

Ana Santos (Porto, Portugal), Inês Oliveira, Joana Carvalho, Rafaela Campanha, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira

Characteristics of the patient who is successful or not in stopping smoking

Raul Godoy Mayoral (Albacete, Spain), Francisco Javier Callejas González, Ana Tornero Molina, Marta Genovés Crespo, Rafaela Sánchez Simón Talero, Patricia Lopez Miguel, Pedro Juan Tarraga Lopez

Treatment adherence and short term outcomes of smoking cessation outpatient clinic patients

Dilek Karado an (Artvin, Turkey), Özgür önal, Deniz Say Ahin, Yalç N Kanbay, Sebih Alp, üNal Ahin

Adherence to a blended smoking cessation treatment

Marjolein Brusse-Keizer (Enschede, Netherlands), Lutz Siemer, Marloes Postel, Somaya Ben Allouch, Angelos Patrinoopoulos, Robbert Sanderma, Marcel Pieterse

How does reimbursement status affect the smoking cessation interventions?

Dilek Karado an (Artvin, Turkey), Özgür Önal, Yalç n Kanbay

Supporting recruitment of community pharmacies for the STOP trial training using an embedded recruitment model (Russian doll approach)

Wai Yee James (London, United Kingdom), Sandra Jumbe, Vichithranie Madurasinghe, Sandra Eldridge, Stephanie Taylor, Colin Houlihan, Chris Griffiths, Robert Walton

Smoking and severe persistent asthma

Paraskevi Katsaounou (Athens, Greece), Mikaela Odemyr, Otto Spranger, Anne Lindberg, Michael E Hyland, athias Gasser, Michael Larbig, Ioannis Kottakis, Xavier Jaumont, Ismail Kasujee

Analysis of the ratio of ACO in elderly and non-elderly asthmatics with a history of smoking

Akinori Ebihara (Tokyo, Japan), Asuka Nagai, Tokuzen Iwamoto, Ichiro Kuwahira

Smoking cessation among COPD and asthma patients: burden vs. motivation

Tomi Kova evi (Sremska Kamenica, Republic of Serbia), Bojan Zari , Darijo Bokan, Mirjana Jovan evi Drvenica, Sanja Hromiš, Biljana Zvezdin, Ilija Andrijevi , Ivan Kopitovi , Branislav Perin, Panagiotis Bamidis

Does chronic obstructive pulmonary disease (COPD) impact on women smoking cessation approach?

Halima Ben Salem (Sousse, Tunisia), Mouna Ben Khelifa, Hadhemi Rejeb, Seri Jdidi, Wafa Benzarti, Sana Aissa, Imen Gargouri, Ahmed Abdelghani, Abdelhamid Garrouche, Abdelaziz Hayouni, Mohamed Benzarti

“Lung age” – a motivational smoking cessation tool in smokers with chronic obstructive pulmonary disease

Ioana Porosnicu (Iasi (Iasi), Romania), Letitia Trofor, Cristina Vicol, Ionela Alina Grosu, Alexandra Tifrea, Constantine Vardavas, Panagiotis Behrakis, Antigona Trofor

The effect of bupropion on smoking cessation and sleep physiology in COPD and asthma patients

Darijo Bokan (Sremska Kamenica, Republic of Serbia), Mirjana Jovancevic Drvenica, Tomi Kovacevic, Bojan Zaric, Sanja Hromis, Biljana Zvezdin, Ivan Kopitovic, Ilija Andrijevic, Branislav Perin, Panagiotis Bamidis

An Evaluation of a Smoking Cessation Service in a Regional Cardio-Thoracic Centre.

Deborah Beach (Harefield, United Kingdom), Tessa Jolliffe, Claire Chalwin, Jaymin Morjaria

The impact of tobacco cessation on the evolution of patients with non-ST-elevation acute coronary syndromes.

Rim khemakhem (sfax, Tunisia), Nouha Ayedi, Nessrine Kammoun, Walid Feki, Najla Bahloul, Nedja Moussa, Ilhem Yangu, Hajer Ayedi, Sami Kammoun, Rania Hammami, Samir Kammoun

Smoking in individuals with HIV/AIDS: a qualitative-quantitative approach

Ilda de Godoy (Botucatu (SP), Brazil), Ligia Lopes Devóglia, Irma Godoy

A qualitative process evaluation of the implementation of a quit smoking programme in community mental health services

Annette Burns (Dublin , Ireland), Margaret Webb, Greg Stynes, Tom O'Brien, Judith D Strawbridge, Luke Clancy, Frank Doyle

Does depression disorder have an important impact in smoking cessation?

Ana Cláudia Rodrigues Vieira (Almada, Portugal), Joana Ferra, Cristina Matos, Fernando Nogueira

HTR2A genetic variants as risk factors for cigarette smoking at an early age and relapse to smoking cessation treatment.

Gloria Pérez-Rubio (México, Mexico), Luis Alberto López-Flores, Salvador García-Carmona, Leonor García-Gómez, Valeri Noé-Díaz, Enrique Ambrocio-Ortiz, Karol J Nava-Quiroz, Fernando Morales-González, Alma D. Del Angel-Pablo, Alejandra Ramírez-Venegas, Ramcés Falfán-Valencia

12:50 - 14:40

Thematic poster: Effect of tobacco use on health**Disease(s) :** Airway diseases Thoracic oncology Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Public health Respiratory intensive care Epidemiology Cell and molecular biology Imaging**Chairs :** Philip Tønnesen (Glostrup, Denmark), Simon D. Pouwels (Groningen, Netherlands), Thais Garcia (Botucatu (SP), Brazil)**Change in crackle characteristics among male adult smokers**

Surussawadi Bennett (Khon Kaen, Thailand), Siwimon Kaju, Michael Bennett

Effects of smoking on respiratory problems and functional levels in multiple sclerosis patients

Ridvan Aktan (balcova (izmir), Turkey), Sevgi Ozalevli

Urinary cotinine predicts pulmonary morbidity in children exposed to passive smoking

Wael Abd El Fattah (Cairo, Egypt), Hedy Mohammed, Abba Arafat

Lung function parameters in healthy young smokers and nonsmokers – do they reach their maximal values?

Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Atanas Angelov, Victoria Kostadinova, Stefan Kostianev

Effects of Heroin Smoking on Lung Function and Respiratory Symptoms in Adolescents: A Case-Control Study

Rustem Mustafaoglu (Istanbul, Turkey), Ebru Kaya Mutlu, Rengin Demir, Arzu Ciftci, Caner Mutlu, Arzu Razak Ozdincler

Nicotine-induced morphological reconstruction of upper airways in chronic smokers

Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Evgeniy Gilifanov, Sergey Artyushkin, Tatyana Tilik

ACUTE HEART EFFECTS OF NICOTINE IN SMOKERS AND THEIR RELATIONSHIP WITH TOBACCO DEPENDENCY.

Jose Belda (valencia, Spain), Susana Calvo, Vicente Macian

Effect of smoking cessation in myocardial triglyceride deposition and cardiac function assessed by protons spectroscopy technique

Suzana Erico Tanni (Botucatu (SP), Brazil), Thais Garcia, Ana Natalia Ribeiro Batista, Alejandra Villanueva Mauricio, Jose William Zucchi, Paula Schmidt Azevedo Gaiola, Sergio Alberto Rupp Paiva, Irma De Godoy

Investigation of the Relationship Between Carbon monoxide Level, Amount of Cigarette Consumption, Cardiopulmonary Exercise Test and Pulmonary Function Test Results in Smoking Healthy Subjects

Hazal Yakut (Izmir, Turkey), Sevgi Özalevli, Ouz K Inç

Effects of smoking on exercise capacity, exercise dyspnea and pulmonary functions in healthy individuals

Begum Unlu (Istanbul, Turkey), S. Ufuk Yurdalan, Murat Ozturk, Elif Yildirim

SMOKERS WITH NORMAL FEV1/CVF: HOW COMMON IS EMPHYSEMA AND CHANGES IN DLCO

LUCIANA ZANI DA SILVA (PORTO ALEGRE, Brazil), Daniela Cavalet Blanco, Thais Ribeiro, Jose Miguel Chatkin

Deleterious role of anti-hsp70 on immune system in chronic asymptomatic smokers

Thyego Mychell Moreira Santos (Botucatu (SP), Brazil), Irma Godoy, João Paulo Castro Marcondes, Suzana Erico Tanni Minamoto, Thais Garcia, Felipe Burgo, Ilda Godoy

The effect of Smoking on the body composition according to bioimpedance the indigenous inhabitants of the Arctic zone of Western Siberia

Irina Protasova (Nadym (Yamal-Nenets), Russian Federation), Andrei Popov, Andrei Lobanov, Sergey Andronov, Ruslan Kochkin, Elena Bogdanova

Effect of smoking on changes in exhaled breath temperature secondary to exogenous hypoxia

Peter Dimov (Plovdiv, Bulgaria), Zdravko Taralov, Aneliya Draganova, Blagoi Marinov

Impact of smoking in quality of life and sleep: a prospective study

Catarina Carvalho Cordes Amaral Barata (Lisbon, Portugal), Rita Rosa, Inês Oliveira, Joana Carvalho, Marta Fradinho, Luisa Oliveira, Fernando Nogueira

Impact of nicotine abuse on sleep physiology

Mirjana Jovan evi Drvenica (Novi Sad, Republic of Serbia), Darijo Bokan, Tomi Kovacevic, Ivan Kopitovic, Bojan Zaric, Sanja Hromis, Biljana Zvezdin, Miroslav Ilic, Ilija Andrijevic, Branislav Perin, Panagiotis Bamidis

Smoking status and levels of anxiety and depression in hospitalized patients.

Marli Maria Knorst (Porto Alegre (RS), Brazil), Caroline Uber Ghisi, Muriel Bossle Sarmento, Laura Grazziotin Vedana, Gabriela Buffon, Marcelo Basso Gazzana

Smoking and lung cancer

Souad Souilah (Alger, Algeria), Nassima Djami, Nesrine Dermech, Karim Khenouf, Yacine Benbetka, Rabah Amrane, Aziza Fissah

Carboxyhemoglobin level in patients undergoing home long term oxygen therapy declaring themselves as non-smokers.

Adam Nowinski (Warszawa, Poland), Damian Korzybski, Anna Czyzak-Gradkowska, Robert P ywaczewski, Pawel Sliwinski

Comorbid conditions and social determinants of smoking in the adult population.

Esra Uzaslan (Bursa, Turkey), Ozge A Guclu, Nilufer A A Ozturk, Asli Dilektasli, Ezgi D Cetinoglu, Mehmet Karadag

12:50 - 14:40

Thematic poster: Translational models of the immunopathology that underlies airway obstructive diseases

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Physiology Public health

Chairs : Cecilia K. Andersson (London, United Kingdom), Hans Jürgen Heinrich Hoffmann (Århus, Denmark), Chair to be confirmed

Soluble ADAM33 augments the pulmonary innate immune response promoting susceptibility to allergic airway inflammation

(), Elizabeth Davies, Xan Xu, Jeffery Whitsett, Donna Davies, Hans Michael Haitchi

Activity of an innate defence regulator peptide to alleviate airway inflammation is mitigated by disruption of its central hydrophobic region

Hadeesha Piyadasa (Winnipeg (MB), Canada), Mahadevappa Hemshekhar, Anthony Altieri, Sujata Basu, Anne M Van Der Does, Andrew J Halayko, Pieter S Hiemstra, Neeloffer Mookherjee

Nlr5 is involved in allergic airway inflammation and negatively regulates inflammatory signaling pathway via TLR2/NF- κ B.

Rongyu Liu (Hefei (Anhui), China), Muzi Wang

Implication of NOD-1 receptor in an experimental house dust mite-induced asthma model

SALIHA AIT YAHIA (LILLE, France), Camille Audousset, Daniel Alvarez Simon, Han Vorng, Philippe Marquillies, Myriam Delacre, Mathias Chamaillard, Anne Tsicopoulos

Lactobacillus bulgaricus reduces the expression of Toll-like 4 receptor on dendritic cells and attenuates the airway inflammation in asthmatic mice

Flavio Aimbire (Sao Jose Dos Campos (SP), Brazil), Elen Anatriello, Aurileia Britto, Regiane Albertini, Ana Paula De Oliveira, Alexandre Keller

Interleukin-6 is important for the development of Acinetobacter lwoffii-mediated protection against asthma

Daniel Piotr Potaczek (Marburg, Germany), Hani Harb, Bilal Alashkar Alhamwe, Esma Kilic-Niebergall, Dörthe Kesper, Holger Garn, Harald Renz

EFFECT OF TGF- β AND IL-10 ON TH1/TH2 IMBALANCE IN OVA-INDUCED ASTHMA MOUSE MODEL

Jing Liu (München, Germany), Bingdi Yan, Jinyan Yu, Yanlei Li, Yanjun Xue

Role of IL-33 signaling in pollutant-induced allergic airway inflammation

Tania Maes (Ghent, Belgium), Katrien De Grove, Sharen Provoost, Harald Braun, Andrea Teufelberger, Olga Krysko, Rudi Beyaert, Guy Brusselle, Guy Joos

Resolvin E3 attenuates House Dust Mite (HDM)-induced asthmatic inflammation in a murine model

Makiko Sato (Gunma, Japan), Haruka Aoki-Saito, Hayato Fukuda, Hiroyuki Ikeda, Yasuhiko Koga, Masakiyo Yatomi, Hiroaki Tsurumaki, Yoshimasa Hachisu, Takashi Nakakura, Tetsuya Mori, Kunio Dobashi, Masanobu Yamada, Satoshi Shuto, Takeshi Hisada

House dust mite impairs viral stimulus-induced IL-8 and TNF- α production in bronchial epithelial cells from asthmatics

Samuel Cerps (LUND, Sweden), Sangeetha Ramu, Cecilia Andersson, Hamid Akbarshahi, Asger Sverrild, Celeste Porsbjerg, Lena Uller

The effect of auraptene on Th1/Th2/TReg balances, NF- κ B and nitric oxide production in normal and Th2 provoked situations in human isolated lymphocytes

Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Vahid Reza Askari, Vafa Baradaran Rahimi, Seyed Abdolrahim Rezaee

IL-4-induces collective cell migration in the well-differentiated human nasal epithelia cell layers via α v β 5 and α v β 6 integrins

Sang-Nam Lee (Seoul, Republic of Korea)

Validation of a macrophage specific cell line for the development of an in vitro lower airways co-culture model

Abigail Martin (Hatfield (Hertfordshire), United Kingdom), Victoria Hutter, David Chau, Darragh Murnane

Inhibition of matrix metalloproteinase-2/9 activity by verapamil in mouse peritoneal macrophages

Fatemeh Hajjighasemi (TEHRAN, Islamic Republic of Iran), Neda Kakadezfuli

Extracellular Hsp70 alters cigarette smoke-induced pro-inflammatory responses in human macrophages

Lada Rumora (Zagreb, Croatia), Andrea Hulina, Lucija Franin, Martina Bosnar, Irene Heijink

Proteomic profiling to define synergistic responses mediated by IL-17 and TNF α in the lungs

Anthony Altieri (Winnipeg (MB), Canada), Hadeesha Piyadasa, Victor Spicer, Andrew J. Halayko, Neeloffer Mookherjee

IL-17A producing lymphocytes in end stage lung disease

Anna-Maria Dittrich (Hannover, Germany), Melanie Albrecht, Deji Ishola Olawaseun, Sophia Pallenberg, Peter Braubach, Danny Jonigk, Gregor Warnecke, Gesine Hansen

Mechanism of NK1-mediated bronchoconstriction in passively sensitized human lung tissue.

Susann Dehmel (Hannover, Germany), Sharon Delgado, Helena Öberholte, Stella Marie Reamon-Buettner, Danny Jonigk, Olaf Pfennig, Peter Braubach, Gregor Warnecke, Hans-Gerd Fieguth, Katherina Sewald, Armin Braun

SUPPRESSIVE EFFECT OF MESENCHYMAL STEM CELLS ON AIRWAY REMODELING IN VITRO

Ruben Osuna Gomez (Igualada, Spain), Eder Fredy Mateus, Cristina Ujaldón Miró, Vicente Plaza Moral, David Ramos Barbón

Inflammatory and cytotoxicity effects of Poly Aromatic Hydrocarbons (PAHs) in PM10 on human peripheral blood mononuclear cells and other biological Effects on lung epithelial cells (A549) during dust storm in Ahvaz, Iran

Ata A. Ghadiri (Ahvaz, Islamic Republic of Iran), Esmaeil Idani, Abolfazl Naimabadi, Sara Zamani, Mohammad Ghasemi, Ali Khodadadi, Gholamreza Goudarzi

12:50 - 14:40

Thematic poster: Linear and radial EBUS and peripheral nodules

Disease(s) : Thoracic oncology Respiratory infections Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Endoscopy and interventional pulmonology Imaging General respiratory patient care

Chairs : Laurence M.M.J. Crombag (Huizen, Netherlands), Ales Rozman (Golnik, Slovenia), Chair to be confirmed

Is USG Morphological Features on EBUS TBNA useful for predicting malignancy?

Umang Shah, Arpan Shah, Chandrakant Shah

Utility of routine microbiological testing on Endobronchial Ultrasound (EBUS) guided lymph node aspirates

(), David Storey, Brian McCullagh, Dermot O'Callaghan

Critical aspects of Spontaneous Pneumothorax management in secondary care

Michael Mather (Gateshead (Tyne and Wear), United Kingdom), Afsara Ahmmed, George Antunes

Performance of Endobronchial Ultrasound Transbronchial Needle Aspiration (EBUS-TBNA) with Rapid On-Site Evaluation (ROSE) in the pathological subtyping and molecular testing of non-small cell lung cancer (NSCLC) at a UK institute

Christopher Craig (Manchester (Greater Manchester), United Kingdom), Simon Bailey, Nadira Narine, David Shelton, Sakinah Thiriyai, Durgesh Rana, Haider Al-Najjar

Safety of endoscopic versus endobronchial ultrasound in real world - data from multicenter register
Ilya Sivokozov (Moscow, Russian Federation), Natalya Makaryants, Oksana Yun, Dmitry Sazonov, Sergey Sokolov, Dmitry Dedushkin, Svetlana Pavlova, Natalya Li

EBUS guided Transbronchial needle biopsy (EBUS TBNB) of subcarinal lymph nodes – a Pilot study
Prince James (Vellore (Tamil Nadu), India), Richa Gupta, Balamugesh Thangakulam, Barney Isaac

Correlation of final pathology with the ROSE used during the EBUS-TBNA
Benan Caglayan (Istanbul, Turkey), Sinem Iliaz, Pinar Bulutay, Ayse Armutlu, Fatma Isil Uzel, Ayse Bilge Ozturk, Leyla Pur Ozyigit

PROPOFOL SEDATION FOR FLEXIBLE BRONCHOSCOPY (FB) AND ENDOBRONCHIAL ULTRASOUND BRONCHOSCOPY (EBUS): OUR EXPERIENCE.
Ana Maria Andres Porras (Valladolid, Spain), Sofia Jaurrieta Largo, Ignacio Lobato Astiarraga, Blanca De Vega Sánchez, Ana Isabel García Onieva, Maria José Chourio Estaba, Maria Irene Alaejos Pascua, Maria Beatriz Cartón Sánchez, Isabel Ramos Cancelo, Carlos Disdier Vicente

Is there any added value of EBUS-TBNA to the identification of non-avid PET-CT lymph nodes?
Upul Pathirana (Kurunegala, Sri Lanka), Damith Rodrigo, Vasiliki Gerovasili, Jaymin Morjaria

Efficacy and safety of dexmedetomidine versus midazolam sedation in patients undergoing endobronchial ultrasound-guided transbronchial needle aspiration: a double blind randomized controlled trial
Ashutosh Aggarwal (Chandigarh (Uttar Pradesh), India), Renu Kumari, Kajal Jain, Ritesh Agarwal

Assessment of histological samples obtained from peripheral lung lesions by using transbronchial forceps and cryobiopsies guided with radial EBUS
Mohamed Samy Abdelmegeed Torky (Tanta, Egypt), Felipe Andreo, Wafaa S Elshimy, Mohamed Abdelwahab, Ghada Atef Attia, Raquel Lopez, Jose Luis Mate, Carmen Centeno, Pere Serra, Rachid Tazi Mazalek

Biopsy through lung parenchymal lesion using virtual bronchoscopy navigation (VBN) Archimedes with EBUS sheath tunneling
Joseph Ramzy (Philadelphia, United States of America), John Travaline, Jiji Thomas, Matthew Basile, Patrick Massetti, Gerard Criner

Feasibility of low-dose three-dimensional CT for peripheral bronchoscopy
Jung Seop Eom (Busan, Republic of Korea), Insu Kim, Mim Ki Lee, Seyeon Park

Algorithmic interventional approach can successfully and safely diagnose-stage bronchoscopically invisible peripheral lung lesions.
Philip Emmanouil (Athens, Greece), Abdelfattah Touman, Nikolaos Koufos, Vlasios Vitsas, Ioannis Athanasopoulos, Nikolaos Koulouris, Grigorios Stratakis

Electromagnetic Navigation Bronchoscopy (ENB): Florence experience.
Marco Trigiani (Ghedi (BS), Italy), Margherita Innocenti, Michela Bezzi

Accuracy of mutation analysis in small tissues from transbronchial lung biopsy with radial probe endobronchial ultrasound
INSU KIM (Busan, Republic of Korea), Jung Seop Eom, Min Ki Lee, Seyeon Park

Electromagnetic Navigation Bronchoscopy (ENB) in patients with severe COPD.
Jean-Baptiste Stern (Paris Cedex 14, France), Thibault Vieira, Marine Lefevre, Philippe Girard, Raffaele Caliendo

PD-L1 determination in cytological and histological samples in patients with non-small cell lung cancer
Sonia Margarita Baeza Mena (barcelona, Spain), Carmen Angela Centeno Clemente, Felipe Andreo García, Pere Serra Mitja, Rachid Tazi Mezalek, Jose Luis Mate Sanz, Carlos Martinez Barenys, Enric Carcereny Costa, Victor Margeli Cervera, Jorge Abad Capa

Transparietal chest pathology biopsy under CT control.
Peter Kukol (Vysne Hagy, Slovakia)

Diagnostic rate of endobronchial ultrasound with transbronchial needle aspiration (EBUS-TBNA) for benign causes of mediastinal lymphadenopathy
Xiao Ya Hu (Sydney (NSW), Australia), John Wheatley, Peter Wu

12:50 - 14:40

Thematic poster: Pharmacological management of COPD

Disease(s) : Airway diseases Respiratory infections

Method(s) : General respiratory patient care Epidemiology Public health Surgery

Chairs : Nicoletta R. Morelli (Den Haag, Netherlands), Ioannis Bonovolias (Thessaloniki, Greece), Luiza Helena Degani-Costa (São Paulo (SP), Brazil)

Pseudomonas eradication management in COPD: results from a single centre

Charlotte Wigston (Oxford (Oxfordshire), United Kingdom), Maaz Rana, Hussein Chreif, Katie Jeffery, Mona Bafadhel

Efficacy and safety of moxifloxacin in the outpatient treatment of exacerbations of chronic obstructive pulmonary disease

Jordan Minov (Skopje, FYROM (Macedonia)), Jovanka Karadzinska-Bislimovska, Tatjana Petrova, Kristin Vasilevska, Saso Stoleski, Dragan Mijakoski

Risk of pneumonia and exacerbations of chronic obstructive pulmonary disease(COPD) with inhaled corticosteroid (ICS) use: a Singapore perspective

Kenneth Koh (Singapore, Singapore), Pei Yee Tiew, Jessica Han Ying Tan, Rui Ya Soh, Karen Li Leng Tan, Thun How Ong, Mariko Si Yue Koh, Sanjay Hareesh Chotirmall, Therese Sophie Lapperre

Long-term use of inhaled glucocorticoids in stable chronic obstructive pulmonary disease patients and risk of diabetes mellitus: systematic review of the literature

Fabio Arpinelli (Verona (VR), Italy), Paolo Ruggeri, Giuseppe Girbino, Gaetano Caramori

Audit of Duration of Corticosteroid Treatment in Acute Exacerbations of COPD

Ko Ko Naing (Preston, United Kingdom), Suman Paul, Paul Marsden

Investigation of breathing parameters of COPD patients inhaling through three different DPI devices

Annamária Szip cs (Monostorapáti, Hungary), Árpád Farkas, János Varga, Zsuzsanna Szalai

The effect preoperative intervention with long-acting bronchodilator for untreated patients with obstructive lung disease

Yu Mikami (Tokyo, Japan), Taisuke Jo, Hirota Matsuzaki, Keisuke Hosoki, Minako Saito, Taro Ishimori, Yasuhiro Yamauchi, Yutaka Yatomi, Daiya Takai, Takahide Nagase

Short-acting bronchodilators for in-hospital management of acute exacerbation of COPD: Systematic Review

Zoe Kopsaftis (Woodville South, Australia), Nur Sulaiman, Kristin Carson, Oliver Mountain, Paddy Phillips, Brian Smith

Efficacy and safety of budesonide/formoterol fumarate dihydrate metered dose inhaler (BFF MDI) using co-suspension delivery technology compared to monocomponents and an active comparator in COPD

Gary T. Ferguson (Farmington Hills, United States of America), Alberto Papi, Antonio Anzueto, Edward M. Kerwin, Christy Cappelletti, Elizabeth A. Duncan, Jack Nyberg, Paul Dorinsky

Effect of erdosteine in moderately severe COPD patients

Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom), Clive Page, Roberto W. Dal Negro, Giovanni Fontana, Martin Iversen, Arrigo F Cicero, Edoardo Pozzi, Jadwiga A. Wedzicha

Observational study of adherence to indacaterol/glycopyrronium 110/50µg o.d. (IND/GLY) in COPD

Nicolas Roche (Paris, France), Vincent Le Gros, Mathilde Pouriel, Laurent Decuypere, Chantal Raherison

Multiple ascending inhaled doses of AZD8871 in healthy males

Victor Balaguer (Barcelona, Spain), Muna Albayaty, Carol Astbury, Lali Jimenez, Ulrika Wahlby Hamren, Beatriz Seoane, Marie-Pierre Malice, Alejandra Lei, Ajay Aggarwal, Ioannis Psallidas, Arnaud Mailleux (arnaud.mailleux@inserm.fr / INSERM U1152,Paris)

Comparative assessment of hemodynamic parameters in patients with COPD and CHD treated with different groups of bronchodilators.

Iuliia Kharchenko (Kharkiv, Ukraine), Olena Krakhmalova, Alona Tokarieva

Switch from LABA+ICS to a LABA/LAMA combination in symptomatic women with COPD – an analysis of the observational DACCORD study

Peter Kardos (Frankfurt am Main, Germany), Roland Buhl, Carl-Peter Criece, Nadine Lossi, Claus Vogelmeier, Heinrich Worth

Inhaled anticholinergics affect the heart rate recovery in stable COPD patients

Wei Yuan (Beijing, China), Shan Nie, Haoyan Wang, Qiufen Xu, Nan Jia

Effects of the long term treatment with Fenspiride upon clinical manifestations of chronic obstructive pulmonary disease

Valentin Calancea (Chisinau, Codru, Republic of Moldova), Sergiu Matcovschi, Nelea Ghicavii, Tatiana Dumitras, Eudochia Terna, Nicolae Bodrug, Doina Barba

Evaluation of adequacy of pharmacological treatment in relation to severity in patients with chronic obstructive pulmonary disease (COPD) and their clinical correlations.

Suzana Erico Tanni (Botucatu (SP), Brazil), Bruna Morais, José Zucchi, Estefânia Franco, Thyego Santos, Thaís Garcia

Effect of benzodiazepines in hospital readmissions and mortality in patients with chronic obstructive pulmonary disease

Jose Rafael Teran Tinedo (Madrid, Spain), Daniel Eduardo López Padilla, Alicia Oliva Ramos, Lourdes Vicent Alaminos, Luis Puente Maestu

Risk of pneumonia or death in COPD outpatients treated with different lengths of corticosteroids

Pradeesh Sivapalan (Hellerup, Denmark), Daniel Bech Rasmussen, Truls Sylvan Ingebrigtsen, Rikke Sørensen, Camilla Bjørn Jensen, Kristine Højgaard Allin, Freja Stæhr Holm, Josefin Eklöf, Karin Armbruster, Jens Ulrik Stæhr Jensen

12:50 - 14:40

Thematic poster: Management of chronic cough and respiratory muscle dysfunction**Disease(s) :** Sleep and breathing disorders Airway diseases Respiratory infections Thoracic oncology**Method(s) :** Surgery General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology**Chairs :** Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India), Laura Fregonese (London, United Kingdom), Gian Galeazzo Riario Sforza (Milano (MI), Italy), Chair to be confirmed**Patient characteristics and triggers eliciting refractory chronic cough**

Surinder S. Birring (London, United Kingdom), David R. Muccino, Alyn H. Morice, Mandel R. Sher, Lorcan P. Mcgarvey, Michael M. Kitt, Andrew M. Tershakovec, Z. J. Xu, J. A. Smith

Chronic cough is associated with an increased risk of hypertension

Rachel Dockry (Manchester (Greater Manchester), United Kingdom), Carmen Gibbard, Joanne Mitchell, Kimberley Holt, Douglas Corfield, Jaclyn Smith

Sensitisation of the cough reflex in childbearing women to mechanical stimuli: a cross-sectional study

Luis Fernando Giraldo-Cadavid (Bogota DC, Colombia), Secundino Fernandez, Javier Burguete, Nelson Paez, Luis Mauricio Agudelo-Otalora, Mario Arbulu, Ana Maria Galvis

Patient views on new technologies to assist in the management of chronic cough

Bashar Al-Shekkly (Manchester (Greater Manchester), United Kingdom), Huda Badri, Philip Turner, Jemma Haines, Jacky Smith

The effect of baseline factors on treatment response with MK-7264, a P2X3 antagonist, in refractory chronic cough.

Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), Lorcan P. Mcgarvey, Alyn H. Morice, Surinder S. Birring, Michael M. Kitt, Mandel R. Sher, Andrew M. Tershakovec, Wen-Chi Wu, Zhi Jin Xu, David R. Muccino

Increased oxidative stress of chronic cough in induced sputum

Chang Youl Lee (Chuncheon, Republic of Korea), Ji Young Hong, Myung-Goo Lee, Seung Hun Jang

Gastroesophageal reflux (GER)-associated cough: Effect of treatment on cellular and neurogenic inflammation

Norihiisa Takeda (Nagoya, Japan), Masaya Takemura, Kensuke Fukumitsu, Takamitsu Asano, Yoshihiro Kanemitsu, Eiji Kubota, Akio Niimi

Adenoid cystic carcinoma of trachea masked like asthma

Ventsislava Pencheva Genova (Sofia, Bulgaria), Tzanko Mondeshki, Bilyana Stancheva, Daniela Petrova, Radoslav Bilyukov, Ognian Georgiev, Tzvetan Minchev, Daniela Krasimirova, Sevda Naydenska

Correlation between high salivary pepsin concentration and chronic pharyngitis.

Rachel Hodgson (Beverley, United Kingdom), Rachel Hodgson, Qiuping Wang, Xiu Wang, Peter Dettmar

Prevalence of inducible laryngeal obstruction (ILO) in unexplained chronic cough (UCC)

Simon Gray (Chorley (Lancashire), United Kingdom), Claire Slinger, Jessica Blakemore, Paul Marsden

Comparison of arterial and venous blood gases in cases with obesity hypoventilation syndrome and neuromuscular disease

Hicran Orucova Mammadova (Istanbul, Turkey), Tulin Cagatay, Penbe Cagatay, Zuleyha B ngol, Gulfer Okumus, Esen Kiyani

„The pulmonological mask” of congenital diaphragmatic hernia in children.

Anna Bodajko-Grochowska (Lublin, Poland), Andrzej Emeryk, Ewa Markut-Miot a, Magdalena Kowalska, Anna Bednarek

Treatment of diaphragmatic paralysis using an expanded surgical protocol: review of the largest worldwide experience

Francesco Gargano (Shrewsbury, United States of America), Matthew Kaufman, Thomas Bauer, Reza Jarrahy

Are There Any Effects of Respiratory Muscle Strength on Dyspnea, Core Muscle Strength and Functional Capacity in Adolescents with Substance Use Disorder?

Rustem Mustafaoglu (Istanbul, Turkey), Rengin Demir, Arzu Ciftci, Zerrin Yigit

Home-based versus hospital monitoring of respiratory function changes in Duchenne muscular dystrophy (DMD)

Thomas Meier (Pratteln, Switzerland), Christian Rummey, Mika Leinonen, Shabir Hasham, Thomas Voit, Oscar H Mayer, Gunnar M Buyse

Respiratory Muscle Strength in Stroke Patients and Healthy Controls: A Case Control Study

Abdurrahim Yildiz (Istanbul, Turkey), Rustem Mustafaoglu, Rengin Demir

Congenital lobar overinflation in adults - A case series

Nilab Sarmand (Heidelberg, Germany), Felix Herth, Martin Eichhorn, Daniela Gompelmann

Pulmonary involvement in Marfan syndrome

Abigél Margit Kolonics-Farkas (Budapest, Hungary), Kalman Benke, Balazs Odler, Aniko Bohacs, Zsuzsanna Kovats, Zoltan Szabolcs, Veronika Müller

Effects of trumpet playing on lung function – a case-control study

Lia Studer (Basel, Switzerland), Desiree Schumann, Aline Stalder-Siebeneichler, Michael Tamm, Daiana Stolz

12:50 - 14:40

Thematic poster: Role of IgE and interleukin (IL)-5 in Th2-cell signatures**Disease(s) :** Airway diseases Pulmonary vascular diseases Respiratory infections**Method(s) :** Cell and molecular biology General respiratory patient care Epidemiology Respiratory intensive care Imaging**Chairs :** Zuzana Diamant (Lund, Sweden), Trudeke G.M. Möller (Apeldoorn, Netherlands), Celeste M. Porsbjerg (København, Denmark), Chair to be confirmed**Dupilumab improves asthma-related patient reported outcomes in asthma patients with chronic rhinosinusitis or nasal polypsis (CRS/NP) in LIBERTY ASTHMA QUEST**

Mario Castro (St. Louis, United States of America), Jonathan Corren, Jorge F. Maspero, Antonio L. Valero Santiago, Piotr Kuna, Sophie Guillonnet, Qunming Dong, Christine Taniou, Heribert Staudinger, Jingdong Chao, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper, Asif Khan

Dupilumab improves SNOT-22 scores in asthma patients with chronic rhinosinusitis or nasal polypsis (CRS/NP) in LIBERTY ASTHMA QUEST

William Busse (Madison, United States of America), Jorge F. Maspero, Contance H. Katelaris, Dinesh Saralaya, Sophie Guillonnet, Bingzhi Zhang, Christine Taniou, Heribert Staudinger, Jingdong Chao, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper, Asif Khan

Assessment of Efficacy Omalizumab Retreatment in Patients With Severe Asthma

Yavuz Havlucu (Manisa, Turkey), Arzu Yorgancioglu

IMPACT OF OMALIZUMAB ON ALLERGIC ASTHMA - THE LAST 10 YEAR

Maria Raquel Araújo Pereira (Braga, Portugal), Inês Ladeira, Ricardo Lima, Inês Franco, Ivone Pascoal, Aurora Carvalho

The effect of omalizumab on blood eosinophils count in patients with hypersensitivity to non-steroidal anti-inflammatory drugs (NSAID) compare to patients who tolerate NSAID-pilot study

Izabela Kupry -Lipi ska (ód , Poland), Lucyna Mastalerz, Pawel Majak, Katarzyna Tyrak, Joanna Molinska, Mateusz Jonakowski, Zofia Kurmanowska, Marta Latek, Damian Krzyzanowski, Aleksandra Zal, Piotr Kuna

Is omalizumab response influenced by passive smoking in severe asthma?

Jose Miguel Chatkin (Porto Alegre (RS), Brazil), Daniela Cavalet Blanco, Lais Martins Becher, Luciana Zani Da Silva, Cynthia Rocha Dullius, Fabiane Kahan, Sabrina Rocha Machado

Effectiveness of anti-IgE and anti-IL-5 treatment in step 5 asthma patients.

Junko Saji (Kanagawa, Japan), Hiromi Muraoka, Eriko Nishimoto, Shin Matsuzawa, Mariko Okamoto, Teppei Inoue, Hiroshi Handa, Hiroki Nishine, Takeo Inoue, Teruomi Miyazawa, Masamichi Mineshita

Patients eligible for anti-IL-5/anti-IL-5Ra treatment in a cohort of adult-onset asthma

Pinja Ilmarinen (Seinäjoki, Finland), Leena E Tuomisto, Onni Niemelä, Hannu Kankaanranta

Increase in systemic IL-5 is associated with mepolizumab treatment failure in patients with severe asthma

Sabina Skrgat (Golnik, Slovenia), Petra Girandon Sušan, Urška Bidovec Stojkovi, Peter Korošec

Change of lung function in severe eosinophilic asthma undergoing treatment with anti-interleukin-5 monoclonal antibody

Leonardo Antonicelli (Ancona (AN), Italy), Alessandro Gobbi, Maria Beatrice Bilò, Maria Stella Garritani, Maria Feliciana Brianzoni, Raffaele Dellacà

Asthma rehabilitation at high vs. low altitude and its impact on exhaled nitric oxide and sensitization patterns: randomized parallel-group trial

Silvia Ulrich (Zurich, Switzerland), Stéphanie Saxer, Simon Schneider, Mona Lichtblau, Patrick Bader, Paula Appenzeller, Bermet Estebešova, Berik Emilov, Talant Sooronbaev, Sara Micaletto, Peter Schmid-Grendelmeier, Konrad Bloch

Increased Severity of Asthma in Atopic Patients with Eosinophilic Granulomatosis with Polyangiitis

Alvise Berti (Milan, Italy), Gerald Volcheck, Divi Cornec, Robert Smyth, Ulrich Specks, Karina Keogh

Application of the ISHAM criteria for diagnosis of ABPA in a clinical cohort at a university teaching hospital

Radhika Banka (Mumbai (Maharashtra), India), Ajay Kamath

Effectiveness of itraconazole and systemic steroids in the treatment of ABPA

Kshitij Agarwal (New Delhi (Delhi), India), Gaurav Bhati, Gulvir Singh, S. N. Gaur, Anuradha Chowdhary

The significance of plasma exchange in the treatment of double-positive for ANCA and anti-GBM disease

Kazuko Uto (Miyazaki, Japan), Shigehisa Yanagi, Nobuhiro Matsumoto, Masamitsu Nakazato

Comparison of sIgG4 levels among allergic patients and patients during ASIT

Guzel Feyzkanova (Moscow, Russian Federation), Olga Smoldovskaya, Sergei Voloshin, Ludmila Pavlushkina, Eugenia Antonova, Tatiana Filatova, Alexander Zasedatelev, Alla Rubina

Immunoglobulin G4-related pneumonitis and myositis: an atypical presentation of an atypical case.

Neel Thakkar (Vadodara (Gujarat), India), Amita Nene

Alpha-1 antitrypsin deficiency and pulmonary morbidity in patients with primary immunodeficiency disease: A single center experience

Georg Evers (Münster, Germany), Arik Bernard Schulze, Michael Thrull, Georg Lenz, Lars Henning Schmidt, Michael Mohr

Immuno-allertypes in non-cystic fibrosis bronchiectasis

Pei Yee Tiew (Singapore, Singapore), Micheal Mac Aogain, Albert Yick Hou Lim, Teck Boon Low, Gan Liang Tan, Tidi Hassan, Thun How Ong, Sze Lei Pang, Zi Yang Lee, Xiao Wei Gwee, Christopher Martinus, Yang Yie Sio, Anusha Matta, Tan Ching Ong, Louis Yuen Sung Tiong, Kang Ning Wong, Sriram Narayanan, Veonice Bijin Au, Damien Marlier, Holly R Keir, John Arputhan Abisheganaden, Mariko Siyue Koh, De Yun Wang, John E Connolly, Fook Tim Chew, James D Chalmers, Sanjay H Chotirmall

12:50 - 14:40

Thematic poster: Biomarkers for evaluating COPD

Disease(s) : Airway diseases Respiratory infections Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Physiology Cell and molecular biology Public health

Chairs : Jing Gao (Helsinki, Finland), Tankut G. Guney (London, United Kingdom), Candelaria Caballero Eraso (Sevilla, Spain), Imran Satia (Hamilton (ON), Canada)

Blood eosinophil as a biomarker in COPD

Joo Hun Park (Suwon, Republic of Korea), Yoonki Hong, Woo Jin Kim, Soo-Jung Um, Jin Hee Jung, Song Vogue Ahn, Yeon-Mok Oh, Jae Seung Lee, Sang-Do Lee

Eosinophil count on admission is not a good biomarker in severe exacerbations of COPD to predict later readmission: a long term observational study from the AECOPD-Barcelona Cohort

Arturo Humberto Huerta Garcia (Barcelona, Spain), Pedro J Marcos, Adrian Ceccato, Laia Pinyol, Monica Guerrero, Olivia Vilaro, Albert Gabarrus, Carolina Sanchez, Elisenda Gomez-Angelats, Nestor Soler, Antoni Torres

Characteristics of COPD patients treated with inhaled corticosteroid in primary care

Osman Savran (Hvidovre, Denmark), Nina Skavlan Godtfredsen, Torben Sørensen, Christian Jensen, Charlotte Suppli Ulrik

Bronchiectasis contributes to the severity of COPD

Aikaterini Dimakou (Agia Paraskeyi, Greece), Maria Kaponi, Kyriaki Tsikritsaki, Anna Gousiou, Serafeim Chrysikos, Georgios Hillas, Xristina Triantafyllidou, Theodoros Karampitsakos, Loukas Thanos, Michail Toubis

Residual reversibility in COPD subjects treated by long acting bronchodilators

Marjorie Picaud (Lille, France), Olivier Le Rouzic, Hélène Salvator, Hélène Neveu, Philippe Devillier, Louis-Jean Couderc, Thierry Perez

Exhaled NO (FeNO) levels in patients with exacerbation of COPD and/or bronchiectasis

Foteini Malli (Larisa, Greece), Ourania Kotsiou, Antonia Gouvani, Spyros Ladias, Konstantinos I Gourgoulisanis, Zoe Daniil

Assessment of health status using CAT scores in COPD patients from Italy: the MISTRAL study

Paolo Morini (Imola (BO), Italy), Maria Luisa Agneni, Pasquale Patriciello, Antonio Triani, Piero Balbo, Rosa Metella Refini, Marta Bartezaghi, Alberto Porpiglia

Peripheral eosinophilia and exacerbation outcomes in COPD

Angelique Megevand (Sydney (NSW), Australia), Helen Clayton, Rajeev Ratnavadivel, Richard Lee

Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in patients with acute exacerbation of chronic obstructive pulmonary disease

Abir Hedhli (Tunis, Tunisia), Azza Slim, Sana Cheikh Rouhou, Safa Ben Khaled, Amir Taboubi, Yassine Ouahchi, Jouda Cherif, Sonia Toujani, Meriem Mjid, Samira Merai

Exhaled nitric oxide as a biomarker in different COPD phenotypes

Andrea Vukic Dugac (Zagreb, Croatia), Ivona Markeli, Miroslav Samaržija, Sanja Popovi -Grle, Blanka uk, Ana He imovi, Mateja Jankovi -Makek

Periostin levels in chronic obstructive pulmonary disease (COPD)

Saya Nakamura (Toyokawa-shi, Japan), Keiko Wakahara, Suguru Majima, Tomoko Nisio, Yoshihiro Suzuki, Akira Shiraki, Takashi Abe, Joe Shindoh, Toyokazu Sashio, Junya Ono, Kenji Izuhara, Yoshinori Hasegawa

Repeatability of multiple breath washout measurements in stable Chronic Obstructive Pulmonary Disease.

Enya Daynes (Coventry, United Kingdom), Marcia Soares, Neil Greening, John Owers-Bradley, Sally Singh, Salman Siddiqui

Could eosinophil / neutrophil ratio be used to determine treatment in COPD patients?

Halil Ibrahim Yakar (Istanbul, Turkey), Asiye Kanbay, Erkan Ceylan

Eosinophils and different clusters in COPD patients.

Suzana Erico Tanni (Botucatu (SP), Brazil), Jose William Zucchi, Bruna Evelyn Bueno De Moraes, Thais Garcia, Luiz Henrique Soares Machado, Ana Natalia Ribeiro Batista, Estefania Aparecida Thome Franco, Irma Godoy

Clinical correlates of alveolar nitric oxide in COPD

Alexandra Thornadtsson (Gävle, Sweden), Andrei Malinovsky, Kristina BröMs, Karin Lisspers, Björn Ståhlberg, Christer Janson, Marieann HöGman

Glycated hemoglobin (HbA1c) and acute exacerbation in chronic obstructive pulmonary disease: a potent biomarker of severity and prognosis. Preliminary data.

Evgenia Papathanassiou (ATHENS, Greece), Andriana Papaioannou, Georgios Hillas, Eleftheria Mizi, Petros Bakakos, Vasiliki Apollonatos, Galateia Verykokou, Nikos Roussakis, Zoi Tsilogianni, Konstantinos Kostikas, Spyros Papiris, Stylianos Loukides

Characterisation of UK and US COPD populations in reference to exacerbation frequency and blood eosinophils level

Claus Vogelmeier (Marburg, Germany), Konstantinos Kostikas, Juanzhi Fang, Bethan Jones, Christopher Morgan, Robert Fogel, Florian Gutzwiller, Hui Cao

Overnight changes in exhaled carbon monoxide levels in obstructive sleep apnoea

Andras Bikov (Budapest, Hungary), Martina Meszaros, Adrian Kis, Adam Tarnoki, David Tarnoki, Peter Horvath, Zsolia Lazar, Laszlo Kunos

The influence of different degrees of body mass index on respiratory system impedance

Ada Clarice Gastaldi (Ribeirao Preto (SP), Brazil), Mayara Holtz De Paula, Larissa Perossi, Daniele Santos, Alessandra Lago, José Antônio Baddini-Martinez

12:50 - 14:40

Thematic poster: Epidemiology of asthma and allergy: prevalence, incidence and risk factors**Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care Respiratory intensive care Public health**Chairs :** Valerie Siroux (La Tronche, France), Benedicte Leynaert (Paris, France), Chair to be confirmed**Use of aerobiological information systems in pollen allergy management**

Sandra Baldacci (Pisa (PI), Italy), Sara Maio, Marzia Simoni, Anna Angino, Patrizia Silvi, Stefania La Grutta, Giovanni Vieg, Franco Ruggiero, Gianni Bedini, Francesca Natali, Lorenzo Cecchi, Marija Prentovic, Uwe Berger, Amir Moustafa, Isabella Annesi-Maesano, Samuel Monnier, Michel Thibaudon, Simone Orlandini

IgE-sensitization profiles and lung function: a longitudinal study from childhood to early adulthood in the EGEA study

Valerie Siroux (La Tronche, France), Anne Boudier, Christian Lupineck, Jocelyne Just, Rachel Nadif, Rudolf Valenta, Jean Bousquet, Isabelle Pin

Age-specific incidence of new asthma diagnosis from childhood to late adulthood

Jasmin Honkamäki (Tampere, Finland), Hanna Hisinger-Molkanen, Pinja Ilmarinen, Paivi Piirila, Leena E Tuomisto, Heidi Andersen, Heini Huhtala, Anssi Sovijarvi, Helena Backman, Bo Lundback, Eva Ronmark, Lauri Lehtimäki, Hannu Kankaanranta

Incidence and risk factors for asthma from childhood to young adulthood

Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Martin Andersson, Eva Rönmark

Prevalence of asthma among pregnant women in Ilorin, Nigeria

Olutobi Ojuawo (Ilorin (Kwara State), Nigeria), Olufemi Desalu, Kikelomo Adesina, Idowun Ogunlaja, Wemimo Alaofin, Adeniyi Aladesanmi, Christopher Opeyemi, Taofeek Oloyede, Micheal Oguntoye, Alakija Salami

Association between cured meat intake and asthma symptoms

Roland Michel Andrianasolo (Bobigny, France), Emmanuelle Kesse-Guyot, Adjibade Moufidath, Serge Hercberg, Pilar Galan, Raphaëlle Varraso

Does Body Mass Index and asthma affect work ability? Cross-sectional data from the general population in Telemark, Norway.

Geir Klepaker (Skien, Norway), Martin Veel Svendsen, Jens Kristoffer Hertel, Johny Kongerud, Anne Kristin Moller Fell

Burden of pollen allergy in 3 European countries: AIS LIFE project

Sandra Baldacci (Pisa (PI), Italy), Sara Maio, Marzia Simoni, Anna Angino, Patrizia Silvi, Stefania La Grutta, Giovanni Vieg, Franco Ruggiero, Gianni Bedini, Francesca Natali, Lorenzo Cecchi, Marija Prentovic, Uwe Berger, Amir Moustafa, Isabella Annesi-Maesano, Samuel Monnier, Michel Thibaudon, Simone Orlandini

Airway inflammation and lung function in atopic and non-atopic rhinitis

Mario Olivieri (Verona (VR), Italy), Pierpaolo Marchetti, Salvatore Battaglia, Francesca Locatelli, Roberta Vesentini, Marcello Ferrari, Giuseppe Verlato

Allergic multi-morbidity is associated with an increased risk of asthma in adults: a population-based case control study

Sanna Toppila-Salmi (Helsinki, Finland), Sebastien Chanoine, Jussi Karjalainen, Juha Pekkanen, Jean Bousquet, Valérie Siroux

Age at asthma diagnosis in subjects with and without allergic rhinitis.

Johanna Pakkasela (Tampere, Finland), Pinja Ilmarinen, Jasmin Honkamäki, Leena E Tuomisto, Heidi Andersen, Paivi Piirila, Hanna Hisinger-Molkanen, Anssi Sovijarvi, Helena Backman, Bo Lundback, Eva Ronmark, Hannu Kankaanranta, Lauri Lehtimäki

An observational study to characterize severe eosinophilic asthma in New Zealand

Sumitra Shantakumar (Singapore, Singapore), Barry Gribben, Yu-Fan Ho, Janine Beale

Unbiased clinical cluster analysis across a combined European and a Brazilian severe asthma (SA) population.

John Riley (Uxbridge (Middlesex), United Kingdom), Aruna Bansal, Eduardo Ponte, Adelmir Souza-Machado, Paula Almeida, Valmar Biao-Lima, Stewart Bates, Kian F-Chung, Peter Sterk, Alvaro A.Cruz

Societal costs of severe asthma in Sweden

Sven-Arne Jansson (Umeå, Sweden), Helena Backman, Maria Andersson, Gunilla Telg, Anne Lindberg, Britt-Marie Eklund, Bo Lundbäck, Eva Rönmark

Age-of-asthma onset and epidemiological characteristics of late-onset asthma in a general population

Ha-Kyeong Won (Seoul, Republic of Korea), Jung-Hyun Kim, Sung-Yoon Kang, Min-Gyu Kang, So-Hee Lee, Sun-Sin Kim, Yoon-Seok Chang, You Sook Cho, Sang-Heon Cho, Woo-Jung Song

Male sex, younger age and smoking contribute to low participating rate in an epidemiological study of asthma and respiratory symptoms

Petri Räisänen (Luleå, Sweden), Helena Backman, Sven-Arne Jansson, Linnea Hedman, Caroline Stridsman, Bo Lundbäck, Anne Lindberg, Eva Rönmark

Prevalence of asthma and allergy-related diseases among adolescents of West Bengal, India: Results of the PERFORMANCE study

Saibal Moitra (Kolkata (West Bengal), India), Prasun Halder, Santi Gopal Maity, Soumya Bhattacharjee, Smriti Debnath, Sujoy Saha, Ritabrata Mitra, Isabella Annesi-Maesano, Judith Garcia-Aymerich, Subhabrata Moitra

The prevalence of bronchial asthma symptoms among adult population of Moscow (a population-based study).

(,), Tatiana Bilichenko

Asthma and allergic rhinitis increase respiratory symptoms and disability in cold weather

Henna Hyrkäs-Palmu (University of Oulu, Finland), Tiina Ikäheimo, Tiina Laatikainen, Pekka Jousilahti, Maritta Jaakkola, Jouni Jaakkola

12:50 - 14:40

Thematic poster: Cardiovascular morbidities in COPD**Disease(s) :** Airway diseases Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Cell and molecular biology Imaging Epidemiology Endoscopy and interventional pulmonology**Chairs :** Marco Contoli (Ferrara (FE), Italy), Andreas Vestergaard Jensen (Roskilde, Denmark), Lies Lahousse (Ghent, Belgium)**Association of cardiovascular risk with inhaled long-acting anti-muscarinic antagonists in COPD patients with impaired renal function**

Yi-Ching Cheng (Douliou, Taiwan), Hung-Chueh Peng, Yen-Fu Chen, Chung-Yu Chen

Evaluation of vasomotor substances in COPD patients

Olga Arkhipkina (Kharkiv, Ukraine), Olga Arkhipkina

Systemic inflammatory profile of patients with acute coronary syndrome and concomitant COPD

Marco Contoli (Ferrara (FE), Italy), Marianna Padovani, Sara Soave, Barbara Palazzi, Rita Pavasini, Gianluca Campo, Alberto Papi

Can BODE index identify right ventricular dysfunction in COPD patients?

Praveen Kumar Venishetty (WARANGAL, India)

Diurnal arterial stiffness in patients with chronic obstructive pulmonary disease of varying severity

Gulnara Dolishnyaya (Saratov, Russian Federation), Nina Karoli, Andrey Rebrov

Determinants of aortic stiffness compared to level of obstruction and staging of COPD

ivo Ljubić (Zagreb, Croatia), Neven Tudorić

Aortic stiffness in patients with COPD compared to two control groups of smokers and nonsmokers

ivo Ljubić (Zagreb, Croatia), Neven Tudorić

Integrity of Membrane Cell as a Risk Factor of Longer Length of Stay in patients with Cardiopulmonary Disease

Dulce Gonzalez (Ciudad de Mexico, Mexico), Arturo I Orea-Tejeda, Cloy Chávez-Méndez, Giselle Dávila-Said, Carmen Olivo-Villalobos, Rocío Sánchez-Santillán, Viridiana Peláez-Hernández, Karla Balderas-Muñoz, Rogelio Pérez-Padilla, Monica Rivera-Rodríguez, Luis Hernández-Urquieta

Comorbidity of atherosclerotic diseases in COPD patients.

Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Natalia Zakharchuk, Elena Kondrashova, Elena Gonchar

Acute vascular diseases: Prompting admissions and readmissions in COPD patients

Rishabh Kochar (Bikaner (Rajasthan), India), Vishakha Mittal, Atul Goel

Acute cor pulmonale during acute exacerbations of COPD: a new phenotype?

Déborah Boyer (Rouen, France), Elise Artaud-Macari, Dominique Schleifer, David Delacour, Zoubir Djerada, Jean-Nicolas Dacher, Antoine Cuvelier

Evaluation of a new cardiac arrhythmias predictor in patients with COPD

ASMA SAIDANE (TUNIS, Tunisia), Jihene Ben Ammar, Manel Ben Hlima, Sana Ouali, Mohamed Slim Mourali, Besma Dhahri, Saloua Azzabi, Hela Cherif, Mohamed Ali Baccar, Hichem Aouina

Safety of nebivolol and bisoprolol in patients (pts) with COPD and stable angina.

Oleksandr Fesenko (Slobozhanske, Ukraine), Kateryna Bogatska

Cardiovascular safety of fixed dose combination long acting bronchodilators in stable patients with Chronic Obstructive Pulmonary Disease.

Sudip Ghosh (Leicester (Leicestershire), United Kingdom), Martin Bridge, Nabeel Shahid, Arwell Jones, Noel O'Kelly

Utility of electrical bioimpedance by phase analysis to predict the type of heart failure in patients with COPD

A Orea-Tejeda (Mexico, Mexico), R Sánchez-Santillán, D González-Islas, Cloy Anahi Chávez Méndez, C Olivo-Villalobos, G Dávila-Said, L Hernández-Urquieta, V Peláez-Hernández, A Velázquez-Montero, M Rivera-Rodríguez, L Castillo-Aguilar, K Balderas-Muñoz

Platelet activity in patients with COPD and concomitant arterial hypertension

Kateryna Gashynova (Dnipro, Ukraine), Olena Kovalenko, Viktoriya Rodionova, Liudmyla Glyniana

Safety and benefits of beta-blockers in chronic obstructive pulmonary disease: a review of current evidence and meta-analysis

Ralph Elvi Villalobos (Manila, Philippines), Irene Rosellen Tan, Ruth Marie Divinagracia

COPD patients require more health care than heart failure patients

Lennart H. Persson (Linköping, Sweden), Leili Lind, Johan Lyth, Daniel Karlsson, Ann-Britt Wiréhn

Risk factors for asymptomatic atrial fibrillation in patients with COPD

Elena Samorukova (Moscow, Russian Federation), Elena Leonova, Tatiana Adasheva, Vladimir Zadionchenko, Andrei Malyavin, Sergey Pavlov

Increased risk of atrial fibrillation in patients with acute exacerbation of chronic obstructive pulmonary disease and sinus rhythm

Aria Hemat (Moenchengladbach, Germany), Patrick Müller, Christian Jung, Stefan Krüger, Stefanie Keymel

12:50 - 14:40

Thematic poster: Respiratory physiology and measurements

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases

Method(s) : General respiratory patient care Physiology Cell and molecular biology

Chairs : Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Peter Coss (Dublin 8, Ireland), Monika Franczuk (Warszawa, Poland), Jane Kirkby (Sheffield, United Kingdom)

The multi-ethnic global lung initiative 2012 (GLI-2012) norms reflect contemporary adult's algerian spirometry

Ketfi Abdelbassat (Alger, Algeria), Merzak Gharnaout, Mohamed Bougrida, Helmi Ben Saad

The bronchodilator test in patients with chronic airway obstruction: the responsiveness of lung function parameters

Mikhail Chushkin (Moscow, Russian Federation), Natalia Karpina, Lydia Popova, Elena Shergina, Larisa Kiryukhina, Olga Nenashva, Oleg Ots

Comparison of COPD Gene non-smoking healthy cohort spirometry to NHANESIII

Robert L. Jensen (Salt Lake City, United States of America), Matthew Hegewald, Alan Morris

The underlying cause of type 2 respiratory failure affects NIV adherence

Sara Parsons (Surrey (Surrey), United Kingdom), Emma Baker

Spirometry success rate in children in pediatric pulmonology outpatient unit

Ana Alice Amaral Ibiapina Parente (Rio De Janeiro (RJ), Brazil), Maria De Fátima March, Clemax Sant'anna, Paula Maia, Priscilla Araújo, Luanda Alleluia

VEF1 and PEF correlation by digital peak expiratory flow and conventional spirometry in children

Ana Alice Amaral Ibiapina Parente (Rio De Janeiro (RJ), Brazil), Maria De Fátima March, Clemax Sant'anna, Paula Maia, Priscilla Araújo, Luanda Alleluia

Does the oximetry sensor manufacturer impact the oxygen saturation readings during a six minute walk test?

Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester, Katrina Oates

Agreement between clinical and non-clinical digital manometer for assessing maximal respiratory pressures in healthy subjects

Homero Puppo (Santiago, Chile), Rodrigo Torres-Castro, Matías Otto-Yáñez, Nicolás Sepúlveda-Cáceres, Rodrigo Garrido-Baquedano, Marisol Barros-Poblete, Luis Vasconcello, Roberto Vera-Urbe, Guilherme Fregonezi

Comparison of methods for interpreting bronchodilator response (BDR) in children

Stephanie Rees (Fairvien Terrance (Twynyrooyrn), United Kingdom), Emma Raywood, Emma Fettes, Aidan Laverty

Comparison of functional residual capacity (FRC) measured by plethysmography (FRCpleth) and multiple breath washout (FRCmbw) in schoolchildren with cystic fibrosis (CF).

Mollie Riley (Surrey, United Kingdom), Emma Raywood, Stephanie Rees, Emma Fettes, Aidan Laverty

Diagnosis of bronchospasm during bronchodilator test in patients with pulmonary tuberculosis by the method of forced oscillations

Elena M Zhukova (Novosibirsk, Russian Federation), Lyudmila Vokhminova

How different are the lung volumes and diffusing capacities of healthy Indians compared to age & gender-matched Europeans?

Nitin Vanjare (Pune (Maharashtra), India), Shweta Rasam, Vandana Das, Yogesh Thorat, Sushma Jadhav, Sundeep Salvi

A novel technical extension of the Forced Oscillation Technique

Chuong Ngo (Aachen, Germany), Falk Dippel, Sylvia Lehmann, Klaus Tenbrock, Thomas Vollmer, Berno Misgeld, Steffen Leonhardt

X5 values measured on Impulse Oscillometry (IOS) help differentiate healthy, asthmatic, COPD and ILD subjects from one another.

Vandana Das (Pune (Maharashtra), India), Yogesh Thorat, Nitin Vanjare, Shweta Rasam, Sapna Madas, Rahul Kodgule, Sundeep Salvi

FEV1 and FVC changes at high altitude residents in Kyrgyzstan

Cholponbaeva Meerim (Bishkek, Kyrgyzstan), Melis Duishobaev, Almazbek Akunov, Kubat Muratali Uulu, Nadira Kushubakova, Zhainagul Kerimbekova, Abdirashit Maripov, Akpay Sarybaev

Evaluation of Respiratory Muscle Strength and Balance in Berardinelli-Seip Congenital Lipodystrophy (BSCL) Patients from Brazil

Julliane Tamara Araújo de Melo Campos (Santa Cruz, Brazil), Jorge Luiz Dantas De Medeiros, Bruno Carneiro Bezerra, Thiago Anderson Brito De Araújo, Thaiza Teixeira Xavier Nobre, Lucien Peroni Gualdi, Maria Do Socorro Luna Cruz

Modified test to identify the reversibility of bronchial obstruction in patients with chronic obstructive pulmonary disease

Natalya Sharova (St. Petersburg, Russian Federation), Sergei Grishaev

Spiro-Breath: Application for instant, large-scale interpretation of Pulmonary Functional Test

Daniel-Ross Monserrate Mitchell (Sabadell (Barcelona), Spain), Laura Vigil, Ana Sogo, Angel Azpeitia, Eric Tort, Axel Salmeron, Guillermo Seminario, Christian Domingo

Arterial lactate vs venous lactate as indicator of metabolic limitation during cardiopulmonary exercise testing.

Maria Habes (Bussum, Netherlands), Rachel Salvador, Erica Dijkers, R.P. Van Steenwijk

The results of the modelling of respiratory muscles strength proper values by means of artificial intelligence methods

Ilya Kurpatov (Vladivostok, Russian Federation), Boris Geltser, Arina Shahgeldyan

12:50 - 14:40

Thematic poster: Identification of therapeutic targets for asthma**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology Physiology Endoscopy and interventional pulmonology**Chairs :** Susanne Krauss-Etschmann (Borstel, Germany), Chair to be confirmed**Human airway trypsin-like protease stimulates differentiation of fibroblasts to myofibroblasts in human bronchial fibroblasts in vitro**

Mari Miki (Toyonaka, Japan), Keisuke Miki, Seigo Kitada, Yukiyasu Takeuchi, Rie Tsutsumi, Susumu Yasuoka

Increased endocytosis activity contributes to the enhanced TGFβ-induced fibroblast to myofibroblast transition in bronchial asthma

Marta Michalik (Kraków, Poland), Damian Ryszawy, Dawid Wnuk, Natalia Janik, El bieta Karnas, Milena Paw, Hanna Plutecka, Bogdan Jakie a, Zbigniew Madeja

Enhanced efficiency of phenotypic transition of asthmatic fibroblasts depends on canonical and non-canonical TGFβ/Smad signaling pathways

Dawid Wnuk (Kraków, Poland), Karolina Ryczek, Milena Paw, Katarzyna Kmiotek-Wasylewska, Krzysztof Sadek, Gra yna Bochenek, Marta Michalik

Eosinophils contribute to extracellular matrix remodeling by enhancing pulmonary fibroblasts proliferation, differentiation and extracellular matrix proteins production in asthma

Andrius Januskevicius (Kaunas, Lithuania), Ieva Janulaityte, Reinoud Gosens, Virginija Kalinauskaite-Zukauske, Rokas Stonkus, Kestutis Malakauskas

Eosinophil outer membrane integrins and IL-5, IL-3, GM-CSF receptors expression in severe eosinophilic asthma

Virginija Kalinauskaitė-Zukauskė (Kaunas, Lithuania), Ieva Janulaityte, Andrius Januskevicius, Rokas Stonkus, Kestutis Malakauskas

Eosinophils promote airway smooth muscle cells contractility and α-actin gene expression in asthma

Ieva Janulaityte (Kaunas, Lithuania), Andrius Januskevicius, Reinoud Gosens, Virginija Kalinauskaite-Zukauske, Rokas Stonkus, Kestutis Malakauskas

Transient Receptor Potential (TRP) channel regulation of smooth muscle contraction in asthma

Felicity Easton (Leicester (Leicestershire), United Kingdom)

Involvement of epigenetic factor in regulation of steroid resistant bronchial asthma patients

RAVI MISHRA (Lucknow (Uttar Pradesh), India), RAVI MISHRA, Harshit Singh, Saurabh Chaturvedi, Mohit Kumar Rai, Vikas Agarwal, Rachna Chaturvedi, Zia Hashim

Corticosteroid-resistant neutrophilic airway inflammation and hyperresponsiveness caused by IL-13

Hans Michael Haïtchi (Southampton (Hampshire), United Kingdom), Elizabeth Davies, Joanne Kelly, Jeffrey Whitsett, Donna Davies

Role of protein phosphatase 1 glycogen-associated regulatory subunit in asthma

Blanca Margarita Bazan-Perkins (Mexico, Mexico), Mayra D. Alvarez-Santos, Marisol Alvarez-González, Elizabeth Eslava-De Jesus, Yazmín Pérez-Del Valle, Javier R. Ambrosio, Olivia Reynoso-Ducoing, Patricia Ramos-Ramirez

Aerobic exercise reduces airway inflammation, remodeling and hyperresponsiveness by inhibiting reactive oxygen species and TGF-β production by activated airway leukocytes: a flow cytometry approach

Manoel Carneiro De Oliveira Jr (São Paulo (SP), Brazil), Alana Santos Dias, Ana Paula Ligeiro De Oliveira, Rodolfo De Paula Vieira

SOCS-JAK-STAT Signalling is Involved in the Beneficial Effects of Aerobic Exercise in a Model of HDM-Induced Asthma

Ana Oliveira (São Paulo (SP), Brazil), Jefferson Comin Jonco Aquino-Junior, Helida Cristina Aquino-Santos, Ana Paula Ligeiro De Oliveira, Rodolfo De Paula Vieira

Blocking IL-4Ra with dupilumab prevents lung inflammation in a mouse asthma model

Jamie Orenge (Tarrytown, United States of America), Jeanne Allinne, Audrey Le Floch, Terra Potocky, Jee H. Kim, Dylan Birchard, George Scott, Yu Bai, Ashique Rafique, Tammy Huang, Joel Martin, Matthew A. Sleeman, Andrew J. Murphy

First evidence for a gut-lung axis influencing murine lung immunity upon early life antibiotic treatment

Gregor Jatzlauk (Borstel, Germany), Sabine Bartel, Stefan Pfeiffer, Michael Schlöter, Susanne Krauss-Etschmann

MIF antagonism restores corticosteroid sensitivity in a murine model of severe asthma

venkata sita rama raju Allam (Sydney (NSW), Australia), Ian Adcock, Kian Fan Chung, Eric Morand, James Harris, Maria Sukkar

Glucocorticoids induce a shift in chemokine profile in LPS-stimulated human alveolar macrophages

Carina Mardh (Mölndal, Sweden), Nisha Kurian, Tomas Ottosson

Inhaled formulation of angiotensin-(1-7) produces lung protective effects in a model of chronic asthma.

Giselle Magalhães (Belo Horizonte, Brazil), Maria Da Gloria Rodrigues-Machado, Juliana Gregório, Kezia Gonzaga, Puebla Cassini, Luciola Barcelos, Robson Santos, Maria José Campagnole-Santos

Bronchial Thermoplasty and its Impact on Mast Cells in the Asthmatic Airway Wall and Smooth Muscle

Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N. D'Hooghe, Nick H.T. Ten Hacken, Els J.M. Weersink, Joris J.T.H. Roelofs, Jouke T. Annema, Peter I. Bonta

Effects of anti-IL17 on inflammation, remodeling, and oxidative stress in an experimental model of asthma exacerbated by LPS

Edna Leick (Praia Grande, Brazil), Leandro Camargo, Renato F. Righetti, Luciana R. C. R. B. Aristóteles, Tabata M. Santos, Flávia C. R. Souza, Silvia Fukuzaki, Maysa M. Cruz, Maria Isabel C. Alonso-Vale, Beatriz M. Saraiva-Romanholo, Carla M. Prado, Milton A. Martins, Iolanda F. L. C. Tibério

The lung microbiota changes associated with inhaled corticosteroid and azithromycin in murine model of COPD

Yen-Fu Chen (Douliou, Taiwan), Hsin-Han Hou, Shih-Lung Cheng, Hao-Chien Wang, Chong-Jen Yu

12:50 - 14:40

Thematic poster: Contemporary respiratory care: symptoms, the role of the nurse and the organisation of care**Disease(s) :** Respiratory infections Respiratory critical care Airway diseases Sleep and breathing disorders Thoracic oncology**Method(s) :** General respiratory patient care Endoscopy and interventional pulmonology Transplantation Public health Respiratory intensive care Epidemiology**Chairs :** Anne-Marie Russell (London, United Kingdom), Katleen Leceuvre (KESSEL-LO, Belgium), Andreja Sajnic (Zagreb, Croatia), Janelle Yorke (Manchester (Greater Manchester), United Kingdom)**The structure and characteristics of hospital-based programs for COPD: a scoping review**

Loretta McCormick (Cambridge (ON), Canada), Carol Wong, Kerr Mickey, Babenko-Mould Yolanda

Contemporary tracheostomy clinical management in respiratory wards: A continuous quality improvement program

Chun Kit Lo (Hong Kong, Hong Kong), Y.F. Chan, M.W. Choi, P.F. Chan, Y.Y. Chan, C.L. Poon, C.M. Chu,

The role of a nurse active listening and counseling skills are imperative orientation toward patient

Aleksandra Trupkovic (Duga Resa, Croatia), Andreja Sajnic, Tanja Zovko, Kristina Vuger, Vida John

Does lung transplantation affect on the improvement of psychological status in patients with adult cystic fibrosis?

Ivana Lalic (Zagreb, Croatia), Andrea Vukic Dugac, Tanja Zovko, Andreja Sajnic, Vida John, Ana Mustac, Milica Tepavac, Dorian Tjesic-Drinkovic, Duska Tjesic-Drinkovic, Miroslav Samarzija

Anxiety and depression in adult patients with cystic fibrosis in Croatia: results from adult CF centre

Ivana Lalic (Zagreb, Croatia), Andrea Vukic Dugac, Tanja Zovko, Andreja Sajnic, Vida John, Ana Mustac, Milica Tepavac, Dorian Tjesic-Drinkovic, Duska Tjesic-Drinkovic, Miroslav Samarzija

Obstructive sleep apnea and specific cardiovascular outcomes

Andreja Sajnic (Zagreb, Croatia), Aleksandra Trupkovic, Tanja Zovko, Sandra Karabatic, Ivana Lalic, Miroslav Samarzija

Hidden tuberculosis - team work in preventing the spread of infection

Aleksandra Trupkovic (Duga Resa, Croatia), Andreja Sajnic, Tanja Zovko, Kristina Vuger, Vida John

Contents of nurse-led interventions for the promotion of self-management in COPD patients: a systematic literature review

Miguel Padilha (Porto, Portugal), Paulo Machado, Ana Ribeiro, José Ramos, Carolina Pinho, Francisco Vieira

Chronic pain after lung transplantation

Tanja Zovko (Zagreb, Croatia), Andreja Sajnic, Sandra Karabatic, Ana Zivkusic, Aleksandra Trupkovic, Ivana Lalic, Ana Hecimovic, Latinka Basara, Gordana Pavlisa, Miroslav Samarzija

Effects of anxiety and depression on quality of life in Chronic Obstructive Pulmonary Disease patient-caregiver dyads

Dhurata Ivziku (Roma (RM), Italy), Marco Clari, Maria Matarese

Patients initial experiences of sleep apnea CPAP treatment

Kirsten Hald Nielsen (Svendborg, Denmark), Anne Dichmann Sorknaes, Bettina Nissen Pedersen

Real-time symptom monitoring of dyspnea via ecological momentary assessment

Sarah Miller (Mt Pleasant, United States of America), Ronald Teufel II, Erin Silverman

The effect of tobacco smoke on paediatric respiratory disorders during sleep.

Anna Doboszyska (Olsztyn, Poland), Anna Wodarska

Study on The Correlation between Alexithymia and Social Support of Nurses in ICU

Xin Zhong (Changchun (Jilin), China), Hongjing Lin, Xueli Zhang

Relationship of anxiety and depression with sociodemographic characteristics in hospitalized patients with chronic obstructive pulmonary disease

Azra Hodzic (Dubranec, Croatia), Andreja Sajnic, Kornelija Erdelja, Ana Podnar, Ivana Barisic, Kristina Pauker, Tanja Zovko, Sladana Rezig, Zrinka Pukljak Iricanin

Investigation of The Factors Affecting Psychosocial Adjustment To COPD

Selman celik (Istanbul, Turkey), Hediye Arslan Ozkan

Admission to the ICU: risk for the development of anxiety and depression

Azra Hodzic (Dubranec, Croatia), Andreja Sajnic, Kornelija Erdelja, Ana Podnar, Ivana Barisic, Kristina Pauker, Tanja Zovko, Sladana Rezig, Zrinka Pukljak Iricanin

Patient perspectives and experience on the diagnostic pathway of lung cancer – a qualitative study

Helle Marie Christensen (Tommerup st., Denmark)

Examination of Smoking, Depression, Sleep Apnea and Dyspnea Situations in Elderly Individuals

Arslan Ozkan Hediye (Istanbul, Turkey), Selman celik, Hediye Arslan Ozkan

A nurse-based organizational model to conduct clinical trials in respiratory diseases: experience from Palma de Mallorca

Meritxell López Zamora (Palma De Mallorca, Spain), Angel Ríos Olivencia, Amanda Iglesias Coma, Catalina Aguiló Monjo, Margalida Ensenyat Catalunya, Nuria Toledo-Pons, Maria Macià Palazón, Antonio Clemente Ximenis, Patricia Tortosa Montojo, Ernest Sala Llinàs, Borja G. Cosío Piqueras

12:50 - 14:40

Thematic poster: Paediatric bronchology**Disease(s) :** Airway diseases Respiratory infections Pulmonary vascular diseases Thoracic oncology Respiratory critical care**Method(s) :** General respiratory patient care Surgery Endoscopy and interventional pulmonology Epidemiology Respiratory intensive care Imaging Cell and molecular biology Public health**Chairs :** Dirk Schramm (Düsseldorf, Germany), Uros Krivec (Ljubljana, Slovenia), Chair to be confirmed**Vocal cord paralysis appears to be an acquired lesion in children with repaired esophageal atresia/tracheoesophageal fistula**

Federica Porcaro (Roma (RM), Italy), Thomas Kovesi, Francesca Petreschi, Marilena Trozzi, Sergio Bottero, Renato Cutrera

Diagnostic accuracy of radiologic findings in children with suspected foreign body aspiration

Yu-Mi Park (Seoul, Republic of Korea), Kyung Hoon Kim, Hae Jin Lee, Eun Yae Yang, Hwan Soo Kim, Yoon Hong Chun, Jong-Seo Yoon, Hyun Hee Kim, Jin Taek Kim

Ruptured tracheoinnominate fistula following slide tracheoplasty and non-tuberculosis Mycobacteria tracheobronchitis treated with extracorporeal membrane oxygenation, endovascular stent graft and debranching surgical bypass

Yu-San Chien (Taipei City, Taiwan), Kuo-Sheng Lee, Kung-Hong Hsu

Lower airway pathology in children with Down syndrome compared to controls

Mariska De Lausnay (Lokeren, Belgium), Stijn Verhulst, Lieve Boel, Marek Wojciechowski, An Boudewyns, Kim Van Hoorenbeeck

A child with tachypnea

Paolo Del Greco (Firenze (FI), Italy), Claudia Calogero, Grazia Fenu, Chiara Caparrelli, Cristina Beltrami, Maria Alice Donati, Stefano Avenali, Anna Maria Buccoliero, Matteo Della Monica, Barbara Maria Bergamini, Enrico Lombardi

Does cobblestone appearance on bronchoscopy suggest gastro-oesophageal reflux disease?

Chukwudumebi Duru (Sheffield (South Yorkshire), United Kingdom), Laura Walker, Alison Scott

Psychosocial status of primary caregivers of children with tracheostomy

Ayse Tana Aslan (Ankara, Turkey), Tu ba i manlar Eyuboglu, Tugba Ramasl Gursay, Sevgi Pekcan, Zeynep Buyukkaya, Melih Hangül, Mehmet Kose, Sebnem Soysal, Is l Irem Budakoglu

What may stand behind chest pain: a case report

Michele Ghezzi (Bergamo, Italy), Lucia Migliazza, Giulia Giannotti, Maurizio Cheli, Ahmad Kantar

A rare case of chest pain in children: pulmonary embolism

Pinar Ergenekon (Istanbul, Turkey), Emine Atag, Yasemin Gokdemir, Ela Erdem Eralp, Sait Karakurt, Omer Dogru, Bulent Karadag

Post-intubation subglottic stenosis in children: analysis of clinical features and risk factors

Hakan Yazan (Istanbul, Turkey), Erkan Çakir, Ayse Ayzit Atabek, Omer Faruk Çalim, Selcuk Uzuner, Nurettin Onur Kutlu, Orhan Özturan

Pleuropulmonary bastoma in children: an unusual presentation mimicking pneumonia

Laura Berdah (Paris, France), Sabah Boudjemaa, Helene Boutroux, Jean-Eude Piloquet, Aurore Coulomb, Hubert Ducou Le Pointe, Annick Clement

The etiology of airway foreign bodies in children: analytical cohort study

Tatiana Ivas (Chisinau, Republic of Moldova), Victor Rascov, Victoria Donos, Olga Ciuhrii, Stela Demcenco, Rodica Selevestru, Svetlana Sciuca

The value of radiography for diagnosis of airway foreign bodies in children

Svetlana Sciuca (Chisinau, Republic of Moldova), Victoria Donos, Victor Rascov, Tatiana Ivas, Stela Demcenco, Olga Ciuhrii, Liliana Toma, Rodica Selevestru

The etiological specificity of bronchiectasis in Tunisian children

Besma Hamdi (Manouba oued ellil, Tunisia), Baraa Bdira, Emna Ben Jemai, Sarra Ammari, Jammel Ammar, Anissa Berraies, Agnes Hamzaoui

Diagnostic significance of HRCT imaging modifications in preterm infants with bronchopulmonary dysplasia

Svetlana Sciuca (Chisinau, Republic of Moldova), Ivanov Diana, Rodica Selevestru, Aliona Cotoman, Silvia Sevcenco, Eugenia Crivceanschi

Abernethy syndrome: A rare cause of pulmonary hypertension

Tu ba i manlar Eyuboglu (Ankara, Turkey), Tugba Ramasl Gursay, Ismail Akdulum, Ayse Tana Aslan, Oznur Boyunaga

Fiberoptic endoscopic evaluation of swallowing as a diagnostic tool in infant silent aspiration

Vasilis Grammeniatas (Athens, Greece), Alexander Delides, Thomas Nikolopoulos, Angeliki Galani, Kostas Priftis, Kostas Douros

Flexible bronchoscopy in diagnosis and removal of foreign body aspiration in children

Fotios Kirvassilis (Oraikastro, Greece), Elpis Hatziaorou, Marina-Triantafyllia Kotzamani, Maria Karailidou, Athanasios Skouras, George Kontzoglou, John Tsanakas

EVALUATION OF RESPIRATORY IMPEDANCE AND VENTILATORY HOMOGENEITY IN PATIENTS WITH PRETERM BIRTH

Irma Lechuga Trejo (MEXICO CITY , Mexico), Laura Gochicoa Rangel, Luis Torre Bousculeit

BRONCHIOLITIS IN CHILDREN WITH HISTORY OF BRONCHOPULMONARY DYSPLASIA

Irina Pruna (Constanta, Romania), Adriana Luminita Balasa, Cristina Maria Mihai, Oana Cristina Arghir

12:50 - 14:40

Thematic poster: Chronic lung disease : effects of rehabilitation interventions on functional outcomes in patients**Disease(s) :** Airway diseases Sleep and breathing disorders Respiratory critical care Pulmonary vascular diseases Respiratory infections Interstitial lung diseases**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care Physiology Public health Transplantation**Chairs :** Joana Patricia Santos Cruz (Albergaria-a-Velha, Portugal), Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Clancy Dennis (Canberra (ACT), Australia)**Comparison of sit-to-stand test and six-minute walk test in asthmatic and healthy children**

Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Aylin Tanriverdi, Karya Polat, Asli Papurcu, Nazenin Hande Sezgin, Serap Acar, Gizem Atakul, Nevin Uzuner, Suna Asilsoy, Ozkan Karaman, Sema Savci

The minimal important difference for the 1-minute sit-to-stand test following pulmonary rehabilitation in patients with COPD – a prospective observational trial

Tessa Schneeberger (Schönau am Königssee, Germany), Rainer Gloeckl, Inga Jarosch, Franziska Drechsel, Andreas Rembert Koczulla, Klaus Kenn

Comparison between six minutes walking test and three minutes step test in COPD patients.

Marc Beaumont (Lannion, France), Antoine Losq, Loïc Péran, Catherine Le Ber, Gregory Reyckler

Predictive equation for the unsupported upper limb exercise test (UULEX) in healthy adults.

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Patrícia Rebelo, Cátia Paixao, Sara Almeida, Ana Luisa Araújo Oliveira

Reference values for the walking distance on the six-minute walk test in healthy children aged from 7 to 12 years in Brazil: The t6minbrasil multicentric study

Lucas De Assis Pereira Cacau (Aracaju (SE), Brazil), Vitor Carvalho, Alessandro Pin, Carlos Daniel, Daisy Ykeda, Eliane Carvalho, Juliana Francica, Luiza Faria, Mansueto Gomes-Neto, Marcelo Fernandes, Marcelo Velloso, Marlus Karsten, Patrícia Barros, Valter Santana-Filho

Characteristic of four exercise tests in patients with idiopathic pulmonary fibrosis

Shinichi Arizono (Hamamatsu (Shizuoka), Japan), Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Tomoya Ogawa, Fumiko Watanabe, Yuichi Tawara

Glitter-ADL performance with and without a backpack

Liliane Mendes (Belo Horizonte (MG), Brazil), Lissa Spencer, Bill Zafiropoulos, Veronica Parreira, Jennifer Alison

Glitter-ADL test performed in 3 laps as an alternative to the 5 laps test

Liliane Mendes (Belo Horizonte (MG), Brazil), Lissa Spencer, Bill Zafiropoulos, Veronica Parreira, Jennifer Alison

Intra- and interrater reproducibility of 6-minute walk test in patients with severe and very severe COPD

Henrik Hansen (Dragør, Denmark), Nina Beyer, Anne Frølich, Nina Godtfredsen, Theresa Bieler

Intra- and interrater reproducibility of 30-seconds sit-to-stand test in patients with severe and very severe COPD

Henrik Hansen (Dragør, Denmark), Nina Beyer, Anne Frølich, Nina Godtfredsen, Theresa Bieler

The immediate effects of core stabilization exercise on pulmonary parameters

Elif Develi (istanbul, Turkey), Guzin Kaya Aytutuldu, Ayca Yagcioglu, Mehmet Alperen Pekdas, Rasmi Muammer, Arzu Ozdincler

Upper extremity aerobic exercise training improves exercise capacity in stem cell recipients

Gül ah Bar (Ankara, Turkey), Meral Bo Nak GüçLü, Zübeyde Nur öZkurt, MüNci Ya C

Upper extremity aerobic exercise training improves peak oxygen consumption in patients with pulmonary arterial hypertension

Burcu Camcio lu (Ankara, Turkey), Meral Bo nak Güçlü, Mü errefe Nur Kele , Gülten Aydo du Taçoy, Atiye Çengel

COPD pulmonary rehabilitation - good enough for ILD patients?

Kate Martin (Rotherham, United Kingdom), Gail Miles, Tracy Ward

The effects of aerobic training on respiratory muscle strength and exercise capacity in ankylosing spondylitis patients

Harun Taskin (Denizli, Turkey), Orcin Telli Atalay, Mine Pekesen Kurtca, Elif Gür Kabul, Bilge Basakci Calik, Ali Yalman, Aysenur Y lmaz, Murat Yigit, Murat Tasci, Veli Cobankara

Effect of upper extremity strength training on functional arm and submaximal exercise capacity, fatigue severity and health-related quality of life in patients with chronic obstructive pulmonary disease

Ebru Çal k Kütükcü (Ankara, Turkey), Hulya Arikan, Deniz Inal-Ince, Melda Saglam, Naciye Vardar-Yagli, Cigdem Oksuz, Tulin Duger, Sema Savci, Lutfi Coplu

Effects of eight weeks long supervised exercise training on exercise capacity and pulmonary function in patients after coronary artery bypass surgery

Semiramis Ozyilmaz (Istanbul, Turkey), Hulya Nilgun Gurses, Melih Zeren, Gurkan Cetin

Effect of exercise on functional capacity and quality of life in scoliosis cases

Cansu Varol (Istanbul, Turkey), Eren T murtas, M ne Gulden Polat

12:50 - 14:40

Thematic poster: Role of omics in population studies

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Public health Epidemiology

Chairs : Olena Gruzieva (Stockholm, Sweden), Susanne J. H. Vijverberg (Utrecht, Netherlands), Klaus Bonnelykke (Allerød, Denmark)

DNA methylation and serum total immunoglobulin E (IgE) levels: a methylome-wide association study in adults with asthma

Sebastien Chanoine (La Tronche, France), Anaïs Malpertuis, Laura Beaumier, Dylan Aïssi, Emmanuelle Bouzigon, Elodie Boulter, Xiao Jian Shao, Mark Lathrop, Elin Grundberg, Isabelle Pin, Florence Demenais, Valérie Siroux

Metabolite quantitative trait loci provide functional link between FADS2 and lung obstruction in asthmatics

Rachel Kelly (Boston, United States of America), Scott Weiss, Bruce Levy, Benjamin Raby, Jessica Lasky-Su

Contribution of the Saguenay–Lac-Saint-Jean asthma familial cohort in the omic landscape of asthma

Jolyane Meloche (Saguenay (QC), Canada), Lucile Pain, Anne-Marie Boucher-Lafleur, Catherine Laprise

DNA-estimated ageing markers are associated with COPD

Maaïke de Vries (Groningen, Netherlands), Victor Guryev, Tristan V. De Jong, Judith M. Vonk, H. Marike Boezen, Cleo C. Van Diemen

Exome sequencing reveals immune genes as susceptibility modifiers in α 1-antitrypsin deficiency

Chiara Rigobello (Padova (PD), Italy), Simonetta Baraldo, Mariaenrica Tinè, Ilaria Ferrarotti, Angelo Corsico, Davide Biondini, Donato Lacedonia, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro, Giorgio Valle, Marina Saetta, Manuel Cosío

Transcriptomic alterations induced by air pollution-derived PM2.5 reflect the shift from healthy to COPD-diseased human bronchial epithelium

Sébastien Anthérieu (LILLE, France), Bérénice Leclercq, Laurent-Yvon Alleman, Esperanza Perdrix, Patrice Coddeville, Jean-Marc Lo-Guidice, Guillaume Garçon

Inhaled diesel exhaust alters plasma proteome signature

Neeloffer Mookherjee (Winnipeg (MB), Canada), Min Hyung Ryu, Mahadevappa Hemshekhar, Victor Spicer, Christopher Carlsten

β 2-adrenergic receptor polymorphisms and risk of COPD

Leila Karimi Gazafroudi (Rotterdam, Netherlands), Lies Lahousse, Bruno H C Stricker, Johan Van Der Lei, Katia M Verhamme, Guy G Brusselle

TRPM8 polymorphism as an independent factor of bronchial obstruction in asthma

Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Olesya Kotova, Anna Prikhodko, Juliy Perelman, Victor Kolosov

Cold air alters MUC5AC and MUC5B expression in the airways of asthma patients

Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Dina Gassan, Olesya Kotova, Anna Prikhodko, Elena Pinegina, Juliy Perelman, Victor Kolosov, Xiangdong Zhou, Qi Li

Genomic analysis of CC16 as a biomarker for COPD

Xingnan Li (Tucson, United States of America), Stefano Guerra, Huashi Li, Stephanie Christenson, R Graham Barr, Christopher Cooper, David Couper, Mark Dransfield, Meilan Han, Nadia Hansel, Eric Hoffman, Richard Kanner, Eric Kleerup, Fernando Martinez, Wanda O'Neal, Robert Paine, Prescott Woodruff, Deborah Meyers, Eugene Blecker

New evidence of genetic adaptation to high altitude in Andean populations

Christina Eichstaedt (Heidelberg, Germany), Luca Pagani, Tiago Antao, Charlotte Inchley, Alexia Cardona, Alexander Mörseburg, Florian Clemente, Timothy Sluckin, Ene Metspalu, Mario Mitt, Reedik Mägi, Georgi Hudjashov, Mait Metspalu, Maru Mormina, Guy Jacobs, Toomas Kivisild

Age at menopause and lung function: A Mendelian randomization study

Diana van der Plaats (Paris, France), Miguel Pereira, Giancarlo Pesce, James Potts, Andre Amaral, Shyamali Dharmage, Judith Garcia-Aymerich, Francisco Gomez-Real, Deborah Jarvis, Cosetta Minelli, Benedicte Leynaert

Body mass index and lung function: A two-step epigenetic Mendelian randomization study

Andre F.S. Amaral (London, United Kingdom), Medea Imboden, Matthias Wielscher, Faisal I. Rezwani, Cosetta Minelli, Judith Garcia-Aymerich, Gabriela P. Peralta, Juha Auvinen, Ayoung Jeong, Emmanuel Schaffner, Anna Beckmeyer-Borowko, John W. Holloway, Marjo-Riitta Jarvelin, Nicole Probst-Hensch, Deborah L. Jarvis

Cardio metabolic traits and lung function: A Mendelian Randomization study

Andre F.S. Amaral (London, United Kingdom), Matthias Wielscher, Cosetta Minelli, Juha Auvinen, Sylvain Sebert, Debbie Jarvis, Marjo-Riitta Jarvelin

Genome-wide interaction study of environmental tobacco smoke exposure on time-to-asthma onset in childhood

Emmanuelle Bouzigon (Paris, France), Pierre-Emmanuel Sugier, Chloé Sarnowski, Raquel Granell, Catherine Laprise, Debbie Jarvis, Markus J Ege, Erika Von Mutius, Marie-Hélène Dizier, A. John Henderson, Manolis Kogevinas, Florence Demeais

12:50 - 14:40

Thematic poster: Cystic fibrosis in adults: current research

Disease(s) : Respiratory infections Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Cell and molecular biology Physiology Transplantation Imaging Endoscopy and interventional pulmonology

Chairs : Nicholas Simmonds (London, United Kingdom), Robert Gray (Glasgow (Glasgow), United Kingdom), Chair to be confirmed

Correlation of physical fitness with peripheral muscle strength, physical activity levels and lung function in patients with cystic fibrosis

Marcio Donadio (Porto Alegre (RS), Brazil), Fernanda Vendrusculo, Gabriela Bueno, Natalia Campos, Ingrid Silveira, Mailise Gheller, Joao Heinzmann-Filho

Non-invasive ventilation during exercise in severe cystic fibrosis subjects: a preliminary study

Raffaella Bellini (Negrar (Verona), Italy), Clizia Cazzaroli

In adults with cystic fibrosis (CF), the high-resolution computed tomography (HRCT) predicts maximal exercise capacity

Ernesto Crisafulli (Modena (MO), Italy), Elisabetta Teopompi, Silvia Luceri, Francesco Longo, Paolo Pagano, Chiara Longo, Antonella Ielpo, Marina Aiello, Giuseppina Bertorelli, Nicola Sverzellati, Alfredo Chetta, Giovanna Pisi

Cardiorespiratory Fitness in an adult Norwegian Cystic Fibrosis Population

Ole Torvanger (Sandnes, Norway), Audun Os, Ole Henning Skjønberg, Elisabeth Edvardsen

CARDIOPULMONARY ASSESSMENT AMONG ADOLESCENTS WITH CYSTIC FIBROSIS : THE "HEART" OF THE PROBLEM

Giancarlo Tancredi (Roma (RM), Italy), Alessandra Favoriti, Caterina Lambiase, Desiree Mollicone, Valeria Tromba, Versacci Paolo, Luigi Graziano, Tamara Perelli

Real life experience of lumacaftor/ivacaftor in adult Phe508del homozygous cystic fibrosis patients.

Giacomo Domenico Maria Bonizzoni (Orbassano (TO), Italy), Michela Bellocchia, Cristina Bena, Elisa Clivati, Carlotta Biglia, Sara Demichelis, Gianpiero Bandelli, Alessia Grande, Fabio Traversa, Carlo Albera, Barbara Messori

Real-life experience of Omalizumab in adult Cystic Fibrosis patients with allergic severe asthma and Allergic Bronchopulmonary Aspergillosis

Michela Maria Bellocchia (Torino (TO), Italy), Giacomo Bonizzoni, Carlotta Biglia, Cristina Bena, Elisa Clivati, Valentina Difino, Fabio Traversa, Sara Demichelis, Fabio Luigi Massimo Ricciardolo, Carlo Albera, Barbara Messori

Long-term outcomes and clinical worsening in cystic fibrosis patients with at least one residual function mutation

Andrea Gramegna (Milano (MI), Italy), Martina Contarini, Stefano Aliberti, Giovanni Sotgiu, Manuela Seia, Luigi Porcaro, Alessandra Colombo, Nicolò Vanoni, Francesco Amati, Giovanna Pizzamiglio, Marta Di Pasquale, Silvia Dellafiore, Maria Pappalettera, Carlo Castellani, Baroukh Maurice Assael, Francesco Blasi

Clinical characteristics and disease severity of adults with cystic fibrosis with at least one residual function mutation

Martina Contarini (Gorgonzola (MI), Italy), Andrea Gramegna, Stefano Aliberti, Giovanni Sotgiu, Manuela Seia, Luigi Porcaro, Alessandra Colombo, Nicolò Vanoni, Francesco Amati, Giovanna Pizzamiglio, Marta Di Pasquale, Silvia Dellafiore, Maria Pappalettera, Carlo Castellani, Baroukh Maurice Assael, Francesco Blasi

A review of Lung Transplantation for Cystic Fibrosis in Ireland in 2017.

Petra Grehan (Co. Dublin, Ireland), Irene Byrne, J.J Egan, Dervilla Danaher, Heart And Lung Transplant Team

Macroscopic sputum quality assessments with a colour grading system in Cystic Fibrosis patients

Beatrice Ferrari (Firenze (FI), Italy), Chiara Degl'Innocenti, Chiara Castellani, Eleonora Masi, Vito Terlizzi, Maria Chiara Cavicchi, Riccardo Guarise

Transmission-frequency of Aspergillus fumigatus in cystic fibrosis patients through coughing

Tobias Engel (Nijmegen, Netherlands), Ellen Erren, Koen Vanden Driessche, Monique Reijers, Willem Melchers, Peter Merkus, Paul Verweij

Prospective study on clinical and immunological *Aspergillus* categorization in cystic fibrosis.

Carsten Schwarz (Berlin, Germany), Svenja Kaufmann, Jobst Fridolin Röhm, Patience Eschenhagen, Anne Mehl, Carolin Meinus, Doris Staab, Volker Rickerts, Kathrin Seidel, Petra Bacher, Alexander Scheffold

***Pseudomonas aeruginosa* eradication therapy on Cystic Fibrosis- Guideline and clinical routine**

Klaus Einhorn (Rostock, Germany), Manfred Ballmann

Treatment of atelectasis and severe mucus plugging in cystic fibrosis.

Helga Elidottir (Vellinge, Sweden)

Assessment of mental health status in primary ciliary dyskinesia and cystic fibrosis patients and their parents

Sonia Graziano (Rome, Italy), Virginia Mirra, Nicola Ullmann, Raffaella Rusciano, Vincenzina Lucidi, Renato Cutrera, Paola Tabarini

Sputum glucose as a marker of disease severity in adult patients with cystic fibrosis

Andrea Gramegna (Milano (MI), Italy), Martina Contarini, Stefano Aliberti, Giovanni Sotgiu, Leonardo Terranova, Martina Oriano, Nicolò Vanoni, Francesco Amati, Giovanna Pizzamiglio, Marta Di Pasquale, Silvia Dellafiore, Maria Pappalettera, Baroukh Maurice Assael, Francesco Blasi

Sputum and plasma adiponectin levels in clinically stable adult cystic fibrosis patients with CFTR I1234V mutation

Atqah Abdul Wahab (Doha, Qatar), Mona Allangawi, Melin Thomas, Ilham Bettahi, Siveen Silvaraman, Jerobin Kumar, Prem Chandra, Manjunath Ramanjaneya

Implementing the International Committee on Mental Health in Cystic Fibrosis (ICMH) Guidelines: Practical complexities of managing mental health

Marieke Verkleij (Amsterdam, Netherlands), Jacqueline Boekhoff, Eric Haarman, Irma Bon, Ad F Nagelkerke, Janice Abbott

Coping in adult cystic fibrosis patients: Association with anxiety and depression

Nazl Zeynep Uslu (Istanbul, Turkey), ehnaz Olgun Y Id zeli, Derya Kocakaya, Emel Eryüksel, Berrin Ceyhan

12:50 - 14:40

Thematic poster: Chronic respiratory disease : determinants of physical activity in patients**Disease(s) :** Airway diseases Respiratory critical care Thoracic oncology Interstitial lung diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Transplantation Public health**Chairs :** Andre Nyberg (Umeå, Sweden), Maria Koulopoulou (London, United Kingdom), Jana De Brandt (Diepenbeek, Belgium), Chair to be confirmed**Physical activity and clinical outcomes in patients with interstitial lung disease: how large is the impairment? – Preliminary results**

Humberto Silva (Londrina, Brazil), Wagner F Aguiar, Aline F L Goncalves, Thatielle G Silva, Walter A S Loyola, Paulo S Pereira, Vanessa S Probst, Fabio Pitta, Carlos A Camillo

Validation of the rapid assessment of physical activity questionnaire (RAPA) in COPD patients

Ridvan Aktan (balcova (izmir), Turkey), Sevgi Ozalevli, Gamze Yalcinkaya, Aylin Ozgen Alpaydin, Can Sevinc

Exercise capacity, physical activity, quality of life in newly diagnosed hematologic malignancies

Zeliha Celik (Ankara, Turkey), Meral Bo nak Güçlü, Zübeyde Nur Özkurt

Determinants of physical inactivity in hematopoietic stem cells recipients

Gül ah Bar (Ankara, Turkey), Meral Bo nak Güçlü, Zübeyde Nur Özkurt, Münici Ya c

Physical activity levels of children with cystic fibrosis and their parents: Pilot study

Çi dem Emirza (stanbul, Turkey), Goksen Kuran Aslan, Ayse Ayzit Atabek, Haluk Cokugras

Relationship between educational sessions in addition to exercise training and improvements in quality of life and physical activity in COPD: Preliminary results.

(,), Letícia F Belo, Lorena P Schneider, Thaís R Paes, Nidia A Hernandez, Fabio Pitta

Assessment of sleep quality in children with asthma

Meltem Ramoglu (stanbul, Turkey), Hikmet Ugun, Zeynep Hosbay

Correlations between two instruments measuring sleep quality in patients with ILD: Preliminary results

Wagner F Aguiar (Londrina, Brazil), Humberto Silva, Thatielle G Silva, Aline F L Gonçalves, Jéssica Fonseca, Walter A Sepúlveda, Paulo S Pereira, Vanessa S Probst, Fabio Pitta, Carlo A Camillo

THE EFFECTS OF SMOKING ON PAIN THRESHOLD AND PAIN TOLERANCE

Yasin Ekinçi (Ankara, Turkey), Esra Ate Numano Lu, Ozgur Tunca Yilmaz, Ipek Alemdaroglu, Ayse Karaduman, Cigdem Oksuz

The effect of kinesiophobia in pulmonary hypertension

Ozge Ertan (Istanbul, Turkey), Goksen Kuran Aslan, Buket Akinci, Nigar Gulfer Okumus

Determination and comparison of fatigue in obstructive pulmonary diseases

Seda Saka (Istanbul, Turkey), Ebru Calik Kutukcu, Ozge Ozalp, Deniz Inal Ince, Melda Saglam, Naciye Vardar Yagli, Meral Bosnak Guclu, Hulya Arikani, Lutfi Coplu, Sema Savci

Continence Assessment in Paediatric Patients with Primary Ciliary Dyskinesia

Hannah Wilkins (Southampton, United Kingdom), Victoria Keenan, Amanda Friend, Amanda Harris

Do cancer treatments affect pain perception?

Ebru Calik Kutukcu (Ankara, Turkey), Kubra Kilic, Naciye Vardar-Yagli, Melda Saglam, Deniz Inal-Ince, Hulya Arikani, Saadettin Kilickap

Investigation of associations between functional performance, physical activity level and sleep quality in adults with Down's Syndrome

Meltem Ramoglu (Istanbul, Turkey), Hikmet Ugun, Ertugrul Safran

Comparison of Respiratory Muscle Strength, Kinesiophobia and Fatigue Perception in Patients with Liver Transplantation and Healthy Subjects

Bilge Taskin (Ankara, Turkey), Naciye Vardar-Yagli, Ebru Calik Kutukcu, Melda Saglam, Deniz Inal-Ince, Hulya Arikani, Ahmet Bulent Dogrul

Relationship between maximal exercise capacity and activities of daily living in patients with GOLD stage II-III chronic obstructive pulmonary disease

Naciye Vardar Yagli (Ankara, Turkey), Haluk Tekerlek, Ebru Calik Kutukcu, Hulya Arikani, Deniz Inal-Ince, Melda Saglam, Cigdem Oksuz, Tulin Duger, Sema Savci, Cemile Bozdemir-Ozel, Aslihan Cakmak, Hazal Sonbahar-Ulu, Beyza Nur Karaduz, Lutfi Coplu

The relationship between six minutes walking work, respiratory parameters and activities of daily life in patients with interstitial lung disease

Goksen Kuran Aslan (Bakirkoy - Istanbul, Turkey), Ozge Ertan, Buket Akinci, Pinar Odevoglu, Melike Saritas, Nigar Gulfer Okumus

Comparison of fatigue, exercise capacity, physical activity, and quality of life in asthmatic patients with low and high symptom scores

Hazal Sonbahar Ulu (ANKARA, Turkey), Deniz Inal Ince, Aslihan Cakmak, Naciye Vardar Yagli, Cemile Bozdemir Ozel, Melda Saglam, Ebru Calik Kutukcu, Hulya Arikani, Gul Karakaya, Ali Fuat Kalyoncu

Relationship between disease knowledge and functional perception in COPD patients and their caregivers.

Ramón Romero Fernández (Granada, Spain), Tomás Muñoz Casaubón, Janet Remedios Rodríguez Torres, María Del Mar Lucena Aguilera, Laura López López, Irene Torres Sánchez

12:50 - 14:40

Thematic poster: Chronic respiratory disease: respiratory muscle function, breathing exercises and airway clearance techniques

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology Respiratory infections

Method(s) : Epidemiology General respiratory patient care Respiratory intensive care Physiology Public health

Chairs : Rachael A. Evans (Market Harborough (Leicestershire), United Kingdom), Kathleen Grant (Lausanne, Switzerland), Carlos Augusto Camillo (Londrina (PR), Brazil), Chair to be confirmed

The effects of functional inspiratory muscle training in geriatric individuals with and without chronic obstructive pulmonary disease

Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Gulsah Ozsoy, Nursen Ilcin, Nil Tekin, Sema Savci

Effects of inspiratory muscle training on cardiac autonomic control

Raphael Martins Abreu (Bauru, Brazil), Patricia Rehder-Santos, Ettore Signini, Camila Sakaguchi, Claudio Silva, Carla Dato, Aparecida Catai

The effect of breathing exercises on Sleep Quality during Pregnancy among Primigravida.

amrit kaur (Nashik (Maharashtra), India), Mahesh Mitra

Effect of expiratory muscle strength training on cough and swallowing in patients with dysphagia following stroke

Yuichi Tawara (Hamamatsu, Japan), Ichiro Fujishima, Norimasa Katagiri, Shinichi Arizono, Shohei Ohgi, Ryo Kozu

Pursed lips breathing can improve desaturation during flying disc game in COPD patients.

Kyosuke Imashiro (Wakayama city, Japan), Yoshiaki Minakata, Atsushi Hayata, Masanori Nakanishi, Yoshihiro Kamijyo, Takahiro Ogawa, Yumi Koike, Nobuyuki Yamamoto

Singing for Lung Health: Evaluation of the British Lung Foundation programme.

Adam Lewis (Enfield, United Kingdom), Phoebe Cave, Nicholas S. Hopkinson

Respiratory muscle strength, respiratory muscle endurance, functional capacity and cognitive status in lung cancer patients

Ebru Çalk Kütükcü (Ankara, Turkey), Kubra Kilic, Naciye Vardar-Yagli, Melda Saglam, Deniz Inal-Ince, Hulya Arian, Saadettin Kilickap

Maximal respiratory pressures are associated to symptomatic pelvic organ prolapse in middle-aged and older women: an epidemiological study in Northeast Brazil

Ingrid Guerra Azevedo (Natal (RN), Brazil), Silvana Sousa, Elizabeth Viana, Diego Dantas, Álvaro Maciel, Saionara Câmara

Effects of inspiratory muscle training in children with cerebral palsy: A preliminary report

Muserrefe Nur Keles (Ankara, Turkey), Bulent Elbasan, Umut Apaydin, Zeynep Aribas, Arzu Bakirtas, Nurdan Kokturk

Electromyographic and measurement of maximum expiratory pressure in neurological patients: prospective study

Daniela Faez (campinas, Brazil), Ila Velludo, Jessica Nascimento, Gabriela Nahas, Rodrigo Tonella, Aline Heidemann, Luciana Figueiredo, Antonio Falcao, Lidianne Souza

Comparison of the effects two oscillating positive expiratory pressure devices on pulmonary function and functional capacity

Hilal DENIZOGLU KÜLLI (Istanbul, Turkey), Hulya Nilgun Gurses, Melih Zeren, Gulhan Yilmaz Gokmen, Erkan Cakir

The effect of high-frequency oscillatory vibration on peak expiratory flow generated by a MI-E cough assist device in a mechanical lung model

Ya'akov (Kobi) Dagan (Ramat-Hasaron, Israel), Michael J. Segel, Eli Carmeli

Does Pseudomonas aeruginosa infection alter sputum viscoelastic properties in bronchiectasis patients?

Victoria Alcaraz Serrano (Barcelona, Spain), Joan Llorens-Llacuna, Elena Gimeno-Santos, Albert Gabarrús, Beatriz Herrero-Cortina, Edmundo Rosales-Mayor, Laia Fernández-Barat, Eva Polverino, Rosanel Amaro-Rodriguez, Antoni Torres-Marti

Flows and volumes during Mechanical Insufflation-Exsufflation in a pediatric lung model

Brit Hov (Oslo, Norway), Tiina Andersen, Michel Toussaint, Ove Fondenes, Vegard Hovland

Short-term effects of respiratory physiotherapy in infants with bronchiolitis and outpatient care: A multicentre studyRodrigo Torres-Castro (Santiago, Chile), Vanesa Gonzalez Bellido, Maria Torrente Regidor, Jose Luis Arias Buria, M^a Del Camen Jimeno Esteo, Rubén García Caraballo, Verónica Velaz Baza**High-frequency chest wall compression in mild and moderate bronchiolitis: a clinical trial**

Rodrigo Torres-Castro (Santiago, Chile), Vanesa Gonzalez Bellido, Verónica Velaz Baza, Maria Torrente Regidor, César Fernández-De-Las-Peñas, José Luis Arias-Buría

Comparison of the effects of comprehensive chest physiotherapy alone and combined with inspiratory muscle training in children with cystic fibrosis

Melih Zeren (Istanbul, Turkey), Hulya Nilgun Gurses, Erkan Cakir

12:50 - 14:40

Thematic poster: Occupational and environmental lung diseases: mechanisms, biomarkers and causation**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Epidemiology Public health Cell and molecular biology Physiology**Chairs :** Sherwood Burge (Solihull (West Midlands), United Kingdom), Orianne Dumas (Villejuif, France), Paul Cullinan (London, United Kingdom), Vicky Moore (Birmingham (West Midlands), United Kingdom)

Right ventricular function and endothelium-derived mediators in occupational chronic obstructive pulmonary disease.

Lyubov Shpagina (Novosibirsk, Russian Federation), Olga Kotova, Ilya Shpagin, Oksana Gerasimenko, Galina Kuznetsova

Exposure/Effect Biomarkers and Respiratory Adverse Outcomes in Metal Plating Workers

Felicia Gradinariu (Iasi, Romania), Irina Anca Popescu, Rasvan Danulescu, Ovidiu Petris, Viorel Cazuc

Effect of submaximal exercise and diesel exposure on lung inflammation in mice

Tatjana Decaesteker (Leuven, Belgium), Kristel Trekels, Dominique Bullens, Jeroen Vanoirbeek, Lieven Dupont

Primary nodal anthracosis identified by EBUS-TBNA as a cause of high PET-CT FDG uptake in mediastinal lymph nodes: case series

Sehnaz Olgun Yld zeli (Istanbul, Turkey), Emine Bozkurtlar, Derya Kocakaya, Huseyin Arkan, Emel Eryuksel, Berrin Ceyhan, Sait Karakurt

Welding fumes change the lipid composition of particles in exhaled air.

Göran Ljungkvist (Göteborg, Sweden), Jeong-Lim Kim, Emilia Viklund, Helen Friberg, Annika Claesson, Anna-Carin Olin

Polymetallic dust (PD)-induced pneumoconiosis, experimental study.

Galina P. Orlova (St. Petersburg, Russian Federation), Ivetta V. Dvorakovskaya, Elena S. Lebedeva

Alteration in blood cellular populations in patients with chronic silicosis caused by artificial quartz agglomerates

Antonio Leon Jimenez (Cádiz, Spain), Gema Jiménez Gómez, Antonio Hidalgo Molina, Aránzazu Pérez Alonso, José María Morales Morales, Juan Antonio Córdoba Doña, Antonio Campos Caro

Isolation of nontuberculous mycobacteria from in-use waters of burns and haemodialysis hospital units

Ehsan Aryan (Mashhad, Islamic Republic of Iran), Azra Haghani-Nasimi, Mohammad Derakhshan, Davoud Mansouri, Zahra Meshkat, Masoud Yousefi

Alteration of lung defense mechanisms after acute and chronic exposure to urban coarse PM

Muriel Pichavant (Lille, France), Cécile Vignal, Gwenola Kervoaze, Madjid Djouina, Christophe Waxin, Laurent Alleman, Esperenza Perdrix, Corinne Gower-Rousseau, Philippe Gosset, Mathilde Body-Malapel

Pneumoproteins in offshore drill floor workers

Dag Ellingsen (Oslo, Norway), Niels Kirkhus, Bente Ulvestad, Raymond Olsen, Lars Barregaard, Yngvar Thomassen

Changes in surfactant composition after exposure to metal working fluids containing *Fusarium* spp.

Anna-Carin Olin (Göteborg, Sweden), Björn Bake, Emilia Viklund, Jeong-Lim Kim, Ekaterina Mirgorodskaya, Jonas Brisman, Anna Dahlman-Höglund

Evaluation of nasal and pulmonary epithelium of mice submitted to acute exposure to herbicide 2,4 dichlorophenoxyacetic acid

Renata C Rossi (Presidente Prudente (SP), Brazil), Fabíola De Azevedo Mello, Gisele Quinallia, Ana Carolina Marion, Fernanda Cardoso Jorge, Laura Monico Marinelli, Ana Paula Alves Favareto

Changes in hematologic indices and inflammatory markers in a double-blind real world traffic exposure study

Karen Jansen (Seattle, United States of America), Tim Gould, Jim Stewart, Michael Young, Pat Janssen, Zahra Afsharinejad, Cora Sack, Tim Larson, Sverre Vedal, Joel Kaufman

Biodiesel: is it any safer to use?

James A. Bolaji (London, United Kingdom), John J. Adcock, Thomas Sandström, Ian Mudway, Anders Bloomberg, Jenny Bosson, Terry D. Tetley, Mark A. Birrell, Maria G. Belvisi

Post-flood risks of inhalatory exposure to *Aspergillus* section *Flavi*

Daniela Jakšić (Zagreb, Croatia), Miranda Serti, Ana Mornar Turk, Domagoj Kifer, Nevenka Kopjar, Biljana Nigovi, Maja Šegvi Klari

FIZZ1: a new pathway in silica-induced inflammatory mediators and pulmonary fibrosis

Vanessa Martins (São Paulo (SP), Brazil), Adriana Da Silva, Patrícia Rocco, Vera Capelozzi

Clinical, functional and biomarkers differences between subjects exposed to silica, with and without silicosis

Elisa Lombardi (São Paulo (SP), Brazil), Gustavo Faibischew Prado, Mario Terra Filho, Ubiratan Paula Santos

Primary and secondary transcriptional effects of traffic-related air pollution in human lung and coronary artery cells

Kristen Cosselman (Seattle, United States of America), Ying Lai, Teal Hallstrand, James Macdonald, Theo Bammler, Timothy Larson, Joel Kaufman

Home particulate concentration reduction during high efficiency particulate air (HEPA) filter use

Denitza Blagev (Salt Lake City, United States of America), Daniel Bride, Danielle Babel, Daniel Mendoza, Benjamin Horne

Mitochondrion: a critical target for the toxicity of air pollution-derived PM_{2.5} in healthy and COPD human bronchial epithelial cells

Guillaume GARCON (LILLE, France), Bérénice Leclercq, Jérôme Kluza, Sébastien Anthérieu, Jules Sotty, Laurent Alleman, Patrice Coddeville, Jean-Marc Lo Guidice, Philippe Marchetti

12:50 - 14:40

Thematic poster: The bad and the ugly in paediatric asthma: comorbidities and exacerbations

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Imaging Cell and molecular biology Epidemiology Public health Physiology

Chairs : Ozge Yilmaz (Manisa, Turkey), Evelien R. van Meel (Rotterdam, Netherlands), Ana María Herrera Gana (Santiago, Chile), Chair to be confirmed

Asthmatic adolescent anxiety and adaptation to illness

Silvia Castillo Corullón (Torrent (Valencia), Spain), Selene Valero-Moreno, Marian Pérez- Marín, Inmaculad a Montoya-Castilla, Amparo Escribano-Montaner

Emotional distress in children with problematic severe asthma is associated with parental anxiety and depression

Louise Selby (Cambridge (Cambridgeshire), United Kingdom), Frances Beresford, Sejal Saglani, Andrew Bush, Angela Jamalzadeh, Rachael Moore Crouch, Pippa Hall, Louise Fleming

Mother's level of education and knowledge about asthma is a major determinant of asthma control in children: A multicenter study by Respiratory Research Network of India.

Sneha Limaye (Pune (Maharashtra), India), Sasidharan Bindusha, Mohammed Haseeb, Prasad Muley, Nilofer Mujawar, Premalatha Ramaswamy, Rajendra Kumar, Sanjay Bafna, Jagadish Dhekne, Reyaz Malik, Barnali Bhattacharya, Suhas Kulkarni, Sapna Madas, Shruti Sahasrabudhe, Sundeep Salvi

Associations between indicators of socioeconomic status and childhood asthma

Valentina Cvejaska-Colakovska (Skopje, FYROM (Macedonia)), Emilija Vlashki, Mimi Kimovska, Lidija Seckova, Vesna Micevska, Josh Lawson

Physical activity and quality of life among children with well controlled asthma

Fotios Kirvassilis (Oraioakastro, Greece), Hatziaiorou, Pavlina Peftoulidou, Maria Parisi, Eleana Kouroukli, Lemonia Nousia, John Tsanakas

Features of asthma control in obese children

Mykola Garas (Cherivtsi, Ukraine)

Comparison of Body Fat Composition and Body Mass Index as a risk factor for severity of small airway obstruction in school-aged children in Korea

Hyemi Jee (Seongnam, Republic of Korea), Kyung Suk Lee, Eun Kyo Ha, Young-Ho Jung, Man Yong Han

Scores of disease control and quality of life in atopic asthmatic children: relationship with disease history and lung volumes.

Mario Barreto (Roma (RM), Italy), Anna Prete, Melania Evangelisti, Susy Martella, Marilisa Montesano, Maria Pia Villa

What is the commonest symptom of asthma in Indian children?

Monica Barne (Pune (Maharashtra), India), Noopur Hedawoo, Nisha Kale, Sapna Madas, Sundeep Salvi

Defining acute asthma severity – how do worldwide asthma guidelines compare?

Ann McMurray (Edinburgh (Edinburgh), United Kingdom), Louise Fleming, Steve Cunningham

Asthma hospitalization rates and asthma mortality in Chilean Children: 2008-2014

Ana María Herrera Gana (Santiago, Chile), Gabriel Cavada Chacon

Prognostic factors in severe eosinophilic asthma in children

Carlos Martinez Ribera (Barcelona, Spain), Clara Padró Casas, Maria Basagaña Torrentó, Marisa Rivera Ortún, Carlos Pollán Guisasola, Jose Tomas Navarro Ferrando, Eva Martinez Caceres, Aina Teniente Serra, Alicia Francoso Vicente, Maria Del Mar Martinez Colls

Impact of risk factors on the requirement of long term preventers at 3 years following first admission for wheezing in the initial 2 years of life

Mahesh Babu Ramamurthy (Singapore, Singapore), Daniel Y T Goh, Michael T C Lim, Melvin Qiyu Lee

Functional status of ciliated epithelium during asthma exacerbation and remission in children

Irina Ozerskaia (Moscow, Russian Federation), Natalia Geppe, Ulyana Malyavina

Risk factors for asthma exacerbation in children and adolescents

Andrey Sousa (São Paulo (SP), Brazil), Anna Lúcia Cabral, Milton Arruda Martins, Celso Rf Carvalho

The role of Surfactant proteine B in formation of respiratory diseases in former preterms

Oleksandr Mazulov (Vinnytsia, Ukraine), Olga Yablon, Iuliia Kyslova

Prevalence and risk factors of fixed airway obstruction in children with asthma

Kelvin Yong Jie Lim (Singapore, Singapore), Oon Hoe Teoh, John Allen Jr, Qixian He, Arun Pugalenth, Oh Moh Chay, Anne Goh, Petrina Wong, Yi Hua Tan, Zai Ru Cheng, Ai Huay Teo, Biju Thomas

Obesity and respiratory function impairment in asthmatic and non asthmatic children

Carolina Vitale (Frattamaggiore (NA), Italy), Livio Vitiello, Miriana Picariello, Angelantonio Maglio, Fabio Cerrone, Miriam Schirò, Pietro Vajro, Alessandro Vatrella

Laser Doppler flowmetry in the evaluation of microcirculation in children with bronchial asthma.

Natalia Kolosova (Moscow, Russian Federation), Natalia Geppe, Veronika Denisova, Anita Denisova, Natalia Lozko

The effect of inhaled corticosteroids on hair cortisol

Esmé J. Baan (Rotterdam, Netherlands), Erica L T Van Den Akker, Yolanda B De Rijke, Johan C De Jongste, Miriam Sturkenboom, Katia M Verhamme, Marjolein Engelkes, Hettie M Janssens

12:50 - 14:40

Thematic poster: Imaging of various diseases with different imaging modalities**Disease(s) :** Thoracic oncology Respiratory critical care Pulmonary vascular diseases Respiratory infections Airway diseases Interstitial lung diseases**Method(s) :** Imaging Cell and molecular biology Epidemiology General respiratory patient care Endoscopy and interventional pulmonology Surgery**Chairs :** Heinrike Wilkens (Homburg (Saar), Germany), Aleksandar Grgic (Homburg, Germany), Johan Coolen (Leuven, Belgium), Chair to be confirmed**Factors associated with the growth of ground-glass opacity nodules on chest computed tomography**

Jung Hyun Chang (Seoul, Republic of Korea), Yon Ju Ryu, Jin Hwa Lee

Matching morphological and molecular analysis of not-solid neoplastic lung nodules. A single institution experience

Giulia Maria Stella (Pavia (PV), Italy), Antonio Ciuffreda, Maria Chiara Mennitti, Patrizia Morbini, Filippo Antonacci, Chandra Bortolotto, Roberta Catania, Roberto Dore

Quantification of neutrophil accumulation in early lung cancer

Nicola Tregay (Cambridge (Cambridgeshire), United Kingdom), Neda Farahi, Laurence Lok, Chrystalla Loutsios, Chandra Solanki, Daniel Gillett, John Buscombe, Uta Hill, Giuseppe Aresu, Adam Peryt, Robert Rintoul, Frank McCaughan, A. Micheal Peters, Edwin Chilvers

Imaging features in post-operative lung cancer recurrence

Monia Attia (La Marsa, Tunisia), Henda Neji, Mariem Affes, Soumaya Ben Saad, Houda Gharsalli, Ines Baccouche, Saoussen Hantous, Khaoula Ben Miled

Impact of video-fluoroscopic swallow studies on paediatric feeding management and clinical status

Khaled Akel (Arara, Israel), Hannah Blau, Yuliana Eshel, Silvia Grozovsky, Julia Gendler, Huda Muzzaffi, Meir Mei Zahav, Dario Prais, Guy Steuer, Chagit Levine, Patrick Stafler

Usefulness of automatic pulmonary artery extraction in bronchoscopic navigation system

Mamoru Kunisaki (Sapporo, Japan), Naofumi Shinagawa, Hirohumi Takahashi, Yuta Takashima, Megumi Furuta, Tetsuaki Shoji, Hidenori Kitai, Machiko Sasaki, Hidenori Mizugaki, Hajime Kikuchi, Eiki Kikuchi, Junko Kikuchi, Jun Sakakibara, Masaharu Nishimura

Mapping cardiac-induced lung motion using high-resolution time-resolved phase-contrast synchrotron computed tomography

Luca Fardin (Grenoble, France), Ludovic Broche, Goran Lovric, Anders Larsson, Alberto Bravin, Sam Bayat

Scarring on chest radiograph – is it what it seems?

Huijia Wang (Singapore, Singapore), Cynthia Chee, Yee Tang Wang, Gregory Kaw

The peculiarities of computed tomography (CT) patterns in patients with pulmonary mycobacterioses caused by slowly growing mycobacteria Limarova L., Makaryants N., Larionova E., Chernousova L.
Natalia Makaryants (Moscow, Russian Federation)

Study to assess the need for CT abdomen/pelvis in patients with unprovoked pulmonary embolism
Zeeshan Mustafa (Stoke-on-Trent (Staffordshire), United Kingdom), Arushi Sharma, Aqias Khaliq, Mohammed Haris

Prevalence of increased ratio between the right and left ventricles among patients undergoing CT pulmonary angiography with and without evidence of pulmonary embolism
Avi Man (Tel-Aviv, Israel), Yzhak Hadad, Moshe Iluze, Shlomo Berliner, Tomer Ziv-Baran, Zach Rozenbaum, Galit Aviram

Utility of chest echography and pulmonary infection score in early diagnosis of ventilator associated pneumonia
Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Mohammad Aghaa, Rehab Habeab, Reda Ibrahim

Imaging of organizing pneumonia
Samy Kammoun (Sfax, Tunisia), Fendri Hela, Feki Wiem, Guermazi Haifa, Feki Walid, Mzid Yosra, Daoud Emna, Fourati Hela, Mnif Zeineb

What is the role of chest imaging in primary immunodeficiency disorders? About twelve cases
Samy Kammoun (Sfax, Tunisia), YOSRA MZID, Wiem Feki, Walid Feki, Hela Fendri, Emna Daoud, Hela Fourati, Zeineb Mnif

Relationship between HRCT changes and clinical parameters in patients with scleroderma
David Laszlo Tarnoki (Budapest, Hungary), Adam Domonkos Tarnoki, Vladyslava Skakun, Kinga Karlinger, Eniko Barcsi, Aniko Bohacs, Veronika Muller

Layout of alveoli and pores of Kohn on magnified 3D printed model of the peripheral lung specimen by micro CT
Hiroschi Natori (Sapporo, Japan), Hirotsugu Takabatake, Masaki Mori, Kensaku Mori, Masahiro Oda, Hiroyuki Koba, Hiroki Takahashi

Characteristics of images from CT scans in elderly patients with acute cardiogenic pulmonary edema
Hirokazu Touge (Yonago, Japan), Katsuyuki Tomita, Masaharu Fukuki, Ryota Nagao, Tomoyuki Ikeuchi, Hiromitsu Sakai, Akira Yamasaki, Eiji Shimizu

The added value of computed tomography to thoracentesis and chest x-ray for discriminating malignant from non-malignant causes in unilateral pleural effusions
Simon Reuter (Roskilde, Denmark), Barbera Malene Fischer, Paul Clementsen, Uffe Bødter

The diagnostic value of 18F-FDG PET/CT scanning for discriminating malignant from non-malignant causes in unilateral pleural effusions
Simon Reuter (Roskilde, Denmark), Barbara Malene Fischer, Paul Clementsen, Uffe Bødter

Correlation of CT Image registration-based metrics of regional ventilation distribution with lung function and exercise capacity in COPD patients: a pilot study
Julien COHEN (GRENOBLE CEDEX 9, France), Ludovic Broche, Gilbert Ferretti, Meriem Benmerad, Sébastien Bailly, Cevdet Özcelik, Renaud Tamisier, Jean Louis Pépin, Sam Bayat

12:50 - 14:40

Thematic poster: Clinical problems in paediatric pulmonology

Disease(s) : Pulmonary vascular diseases Airway diseases Respiratory infections Thoracic oncology Respiratory critical care

Method(s) : General respiratory patient care Imaging Epidemiology Public health Surgery Respiratory intensive care

Chairs : Franca Rusconi (Firenze (FI), Italy), Panayiotis Kouis (NICOSIA, Cyprus), Stefania La Grutta (Palermo (PA), Italy)

The impact of chronic non-specific cough on children and their families

GILL WARING (Manchester (Greater Manchester), United Kingdom), Susan Kirk, Debbie Fallon

Paediatric chronic cough characteristics and aetiology – a retrospective tertiary clinic cohort study

Yury Petrunin (Edinburgh (Edinburgh), United Kingdom), Pauline Rowsome, Steve Cunningham, Stefan Unger

Evaluation of cases with bronchiectasis diagnosis; one central experience

Sevgi Pekcan (Ankara, Turkey), Selvihan Y Imaz, Osman Özdemir

Aspiration Syndrome in Children Under One Year of Age

Olga Zaytseva (Moscow, Russian Federation), Nadejda Zaitseva, Tatiana Borisova, Marina Besedina, Evgenia Tolstova, Larisa Tilikina, Elena Efimova, Elena Radimova, Elena Ionova

First year of life respiratory symptoms in premature born children

Nikki Edelbroek (Rotterdam, Netherlands), Alike Kamerbeek, Gerdien Tramper

Day care attendance during the first year of life and occurrence of infectious respiratory morbidities and symptoms

Paula Duarte de Oliveira (Pelotas (RS), Brazil), Andréa Dâmaso Bertoldi, Bruna Gonçalves C. Da Silva, Marlos Domingues, Nelson Arns Neumann, Mariângela Freitas Da Silveira

Impact of respiratory syncytial virus infection and palivizumab on severe acute lower respiratory infection during the first 6 months of life in a cohort of Colombian infants.

Rannieri Acuña-Cordero (Bogotá, Colombia), Alejandro Colmenares, Laura Gonzalez

Trends and costs of pertussis hospitalizations in Portugal, 2000 to 2015: from 0 to 95 years old

Maria Inês Águeda de Azevedo (Porto, Portugal), Sara Melo Oliveira, Manuel Gonçalves-Pinho, Hercília Guimarães, Alberto Freitas

Hospitalizations for acute bronchiolitis in Portugal, 2000 to 2015

Maria Inês Águeda de Azevedo (Porto, Portugal), Alexandre Silva, Manuel Gonçalves-Pinho, Alberto Freitas

Impact on Adherence to the 2012 Evaluation and Management of Pediatric Community Acquired Pneumonia Philippine Academy of Pediatric Pulmonologist (PAPP) Update

Lorraine Sharon Salvana (Quezon City, Philippines)

Polypharmacy in children hospitalized due to respiratory problems: data from a university hospital

Maria Gogou (Katerini, Greece), Andreas Giannopoulos, Katerina Haidopoulou

Relation of serum IGF-1 and IGFBP3 levels with acute exacerbation in cystic fibrosis

Pinar Ergenekon (Istanbul, Turkey), Furkan Eser, Emine Atag, Nilay Bas Ikizoglu, Ela Erdem Eralp, Yasemin Gokdemir, Serap Turan, Abdullah Bereket, Bulent Karadag

Hepatopulmonary syndrome prevalence and characteristics in children with cirrhosis in southern Brazil

Eduardo Garcia (Porto Alegre (RS), Brazil), Gabriela Coral, Marília Ceza

Severity of air pollution in New Delhi and burden of paediatric respiratory illnesses - An Ecological Study

Charu Kohli (New Delhi (Delhi), India), Bratati Banerjee, Suneela Garg

Hydatid cyst in childhood: single center experience

Sevgi Pekcan (Ankara, Turkey), Meltem K ymaz

Invasive mechanical ventilation at home in paediatric patients: the experience of a public health service/Brazil

Vinícius Oliveira (Tres Rios (RJ), Brazil), Eliza Borges, Laerte Borges Júnior, Hyster Ferreira, Alexya Ferreira, Antônio Carvalho, Ana Laura Paula, Vivian Azevedo, Wallisen Hattori

Metabolomics in the prediction of recurrent wheezing: a longitudinal healthy birth cohort study

Valentina Agnese Ferraro (Rosa' (VI), Italy), Eugenio Baraldi, Matteo Stocchero, Sara Bozzetto, Michela Maretti, Giuseppe Giordano, Paola Pirillo, Stefania Zanconato, Silvia Carraro

Management of intact and ruptured pulmonary hydatid cysts

Sabrine LOUHAICHI (Ariana, Tunisia), Sarra Zairi, Besma Hamdi, Mahdi Abdennadher, Hazem Zribi, Amira Dridi, Sonia Ouerghi, Adel Mareghli

12:50 - 14:40

Thematic poster: Pleural interventions**Disease(s) :** Thoracic oncology Airway diseases Respiratory critical care Respiratory infections**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Respiratory intensive care Surgery**Chairs :** Najib M. Rahman (Oxford, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom), Ioannis Psallidas (Oxford, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands)**Multicenter review suggests tunneled pleural catheter use in antineoplastic therapy-related immunosuppression does not increase infection rate**

Candice Wilshire (Seattle, United States of America), Christopher Gilbert, Jason Akulian, Rachelle Asciak, Benjamin Beville, Kevin Davidson, Ashley Delgado, Hans Lee, Justin Lewis, Fabien Maldonado, Nicholas Pastis, Najib Rahman, Chakravarthy Reddy, Lance Roller, Henry Steer, Momen Wahidi, Howard West, Amber Wright, Lonny Yarmus, Jed Gorden

Multidisciplinary approach to connective tissue disease (CTD) related pleural effusions

Eugene Ace McDermott (London, United Kingdom), Hugh Ip, Parthipan Sivakumar, Sangita Agarwal, Boris Lams, Alex West, Liju Ahmed

Comparison between small-bore catheters and large-bore chest tubes for the management of complicated paraneumonic pleural effusion.

Julia Herrero Huertas (Oviedo, Spain), Francisco Lopez Gonzalez, Ariel Moreda, Ines Ruiz Alvarez, Tamara Hermida Valverde, Carmen Osoro Suarez, Andres Ortiz Reyes, Lucia Garcia Alfonso, Ana Isabel Enriquez Rodriguez, Cristina Hernandez Gonzalez, Pere Casan Clara

MITOXANTRONE PLEURODESIS - WHEN TALC IS NOT AN OPTION!

Roberto Emídio Meleira Taborda da Silva (Covilhã, Portugal), Juliana Barata, Mafalda Batista, Sara Martins, Inês Vicente, Eunice Magalhães, Jesus Valente, Salette Valente

Pleural pressure pulse - a new phenomenon registered during pleural manometry

El bieta Magdalena Grabczak (Warszawa, Poland), Marcin Michnikowski, Grzegorz Śtęczyński, Monika Zielinska-Krawczyk, Anna M. Stecka, Piotr Korczyński, Krzysztof Zielinski, Krzysztof J. Palko, Tomasz Golczewski, Rafał Krenke

Variable adoption of intrapleural fibrinolytic therapy for pleural space infections

Anee Sophia Jackson (Seattle, United States of America), Joshua R Rayburn, Carson C Fuller, Candice L Wilshire, Christopher R Gilbert, Brian E Louie, Ralph W Aye, Eric Vallières, Alex S Farivar, Adam J Bograd, Kimberly E Costas, John R Handy, Svetlana Kotova, Jed A Gorden

C.T assisted Abrams needle pleural biopsy for diagnosis of cases with exudative pleural effusion

Ahmed Kabil (Cairo, Egypt), Fares Ouf, Talaat Arfa, Nabil Awad, Hussein Yassin

Implementation of medical thoracoscopy after an ERS course: a survey.

Stavros Anevlavis (Komotini, Greece), Sarah Dowsland, Philippe Astoul, Marios E. Froudarakis

Smear cytology of Pleural nodule during Thoracoscopy - A new approach for early diagnosis of Pleural pathology.

Prince James (Vellore (Tamil Nadu), India), Richa Gupta, D J Christopher, Balamugesh Thangakulam, Jennifer Prabhu

Developing an integrated pleural service

Bakere Hugh (, United Kingdom), Elizabeth Batalla-Duran

Respiratory Medicine trainees' experience with large bore chest drains: Results from a UK wide national survey.

Sannaan Irshad (Derby (Derbyshire), United Kingdom), Ahmad Kamal Azri Abi Musa Asa'Ari, Usman Maqsood, Shahbaz Piracha, Shahul Leyatkh Ali Khan, Nadeem Maddekar, Muhammad Haris, Muhammad Badar Ganaie

Povidone iodine vs. oxytertracycline efficacy in pleurodesis of patients with malignant pleural effusion

Anjuli May Jaen (Pasay City, Philippines), Tomasito Sy, Elvie Victorine Gonzalez

Utility of bronchoscopy in pleural effusion of unknown origin

Sonia Castro Quintas (Bilbao (Bizkaia), Spain), Leyre Serrano Fernandez, Beatriz Gomez Crespo, Marta Garcia Moyano, Idoia Salinas Garrido, Beatriz Gonzalez Quero, Luis Alberto Ruiz Iturriaga, Rafael Zalacain Jorge

Pneumothorax induction with a Boutin needle without ultrasound guidance during local anaesthetic thoracoscopy.

Mark Watson (London, United Kingdom), Samal Gunatilake, Jonathan Owen, Herve Jullian

Indwelling pleural catheters vs. pleurodesis for malignant pleural effusions: a meta-analysis

Anjuli May Jaen (Pasay City, Philippines), Ralph Elvi Villalobos, Ruth Divinagracia, Irene Tan

Outcome of early medical thoracoscopy in pleural infection.

Søren Helbo Skaarup (Aarhus C, Denmark), Giampietro Marchetti

Comparative study of cryobiopsy and forceps biopsy on thoracoscopy in undiagnosed pleural effusions at a tertiary care centre in India

Abhijit Vinod Ahuja (Mumbai (Maharashtra), India), Jeenam Shah, Rajiv Goyal

Comparison of analgesic use during pneumothorax treatment using ambulatory device and chest drainage

Milan Sova (Olomouc, Czech Republic), Martin Poruba, Petr Jakubec, Jaromir Zatloukal, Karel Urbanek, Vitezslav Kolek

Recurrence in spontaneous pneumothorax - 15 years review

Maria João Freitas Ferreira Araújo (Guimarães, Portugal), Filipa Aguiar, Raquel Pereira, Joana Lages, Ana Luisa Vieira, Cecília Pacheco, Lurdes Ferreira, João Cunha

12:50 - 14:40

Thematic poster: Management of bronchiectasis and large airway diseases**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** General respiratory patient care Imaging Epidemiology**Chairs :** Ute Oltmanns (Pforzheim, Germany), Mouhamad Nasser (Bron, France), Sara Tomassetti (Forli, Italy), Chair to be confirmed**Exercise capacity can predict exacerbations and hospitalizations in a 1-year follow up in non-cystic fibrosis bronchiectasis adults**

Samia Rached (São Paulo (SP), Brazil), Rejane Agnelo Silva De Castro, Anderson Alves De Camargo, Rodrigo Athanazio, Alberto Cukier, Simone Dal Corso, Rafael Stelmach

Optimization of algorithms of care of patients with infectious extension of bronchiectasis

Galina Ignatova (Chelyabinsk, Russian Federation), Galina Ignatova

Impact of Anemia On Clinically Stable Adult Non-cystic Fibrosis Bronchiectasis

Elif Yelda Ozgun Niksarlioglu (Istanbul, Turkey), Mehmet Atilla Uysal, Burcu Yi itba , Lutfiye K l ç, Güngör Çamsar

HEALTH RELATED QUALITY OF LIFE (HRQoL) AMONG PATIENTS WITH NON CYSTIC FIBROSIS BROCHIECTASIS (BE) IN STABLE PHASE

Kateryna Gashynova (Dnipro, Ukraine), Guilnar Nagieva, Tetyana Pertseva, Valeriia Dmytrychenko

Progress, update and challenges faced in establishing the first registry for bronchiectasis in Australia

Enna Stroil-Salama (Milton, Australia), Simone Visser, Janet Moore, Lucy Morgan

Objective CT measurements of the bronchovascular bundle in smokers with bronchiectasis

Alejandro A Diaz (Arlington, United States of America), Yuka Okajima, Diego Maselli, Wei Wang, Andrew Yen, Gregory Kinney, Raul San Jose Estepar

Small Airway Imaging Abnormalities in Smokers with Bronchiectasis

Alejandro A Diaz (Arlington, United States of America), Carlos Martinez , Wassim Labaki, Andrew Yen, Maselli Diego, Yuka Okajima, Greg Kinney , Jeffrey Curtis, Raul San Jose Estepar, Ella Kazerooni, Brian Ross, Galban Craig, Fernando Martinez, Meilan Han

Diagnostic contribution of PICADAR score in etiological evaluation of patients with bronchiectasis of unknown etiology

Erkan Çakir (Istanbul, Turkey), Fatouma Khalif Abdillahi, Ayse Ayzit Atabek, Lina Alshadfan, Hakan Yazan, Faraz Talebazadeh, Mustafa Nursoy , Ali Toprak

Bronchiectasis Quality Improvement Project

Alice Gray (Birmingham (West Midlands), United Kingdom), Peter Gimson, Mathuramina Thiraviyarajah, Maria Mal, Harvey Davies, Yifei Wang, Shaun Thein, Manpreet Kaur Saggu, Sarah Coulter-Brophy, Farrukh Rauf, Anna-Karin Larsson Callerfelt (anna-karin.larsson_callerfelt@med.lu.se / Lung Biology, Experimental Medical Science, Lund University,Lund), Johan Malmstrom (johan.malmstrom@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University,Lund), Emma Ahrman (emma.ahrman@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University,Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology, Experimental Medical Science, Lund University,Lund)

National survey on management of adult bronchiectasis by respiratory physicians in Belgium

Natalie Lorent (Leuven, Belgium), Kathleen Schoovaerts, Pieter Goeminne, Lieven Dupont

The impact of traditional nutrition on reduction of the chronic nonobstructive bronchitis risk in the indigenous peoples living in tundra of the Arctic zone in Western Siberia, Russia

Irina Protasova (Nadym (Yamal-Nenets), Russian Federation), Sergey Andronov , Andrei Lobanov , Andrei Popov , Lilia Lobanova , Ruslan Kochkin, Elena Bogdanova

Does continuous positive airway pressure (CPAP) improve the exercise capacity of adults with tracheomalacia?

Elizabeth Smith (Wythenshawe (Manchester), United Kingdom), Nigel Clayton, Siddiq Pulakal, Stephen Fowler, Robert Niven

Prophylactic azithromycin in patients with primary ciliary dyskinesia.

Alix Massiot (Levallois Perret, France), Aline Tamalet, Nicole Beydon, Estelle Escudier, Annick Clement , Harriet Corvol, Guillaume Thouvenin

Risk factors for chronic bronchitis in indigenous inhabitants of the Arctic zone in Western Siberia, Russia

Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Andrei Lobanov, Alexandr Emelyanov, Andrei Popov, Lilia Lobanova, Ruslan Kochkin, Elena Bogdanova, Irina Protasova

Characterization of pediatric patients diagnosed with post-infectious bronchiolitis obliterans 2,600 meters above sea level.

Ingrid Gomez (Bogota, Colombia), Olga Fuquen, Diana Echevery, Margarita Pedraza, Diana Estrada, Angela Soler, Patricia Panqueva Centanaro

Neuro-psychological adaptation of patients with chronic bronchitis in Arctic conditions

Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Tatiana Popova, Vladimir Kulganov, Andrei Lobanov

Impact of improvement of environment on dynamics of chronic bronchitis disease in the indigenous peoples of the Arctic zone in Western Siberia, Russia

Sergey Andronov (Nadym (Yamal-Nenets), Russian Federation), Andrei Lobanov, Alexandr Emelyanov, Andrei Popov, Lilia Lobanova, Ruslan Kochkin, Elena Bogdanova, Irina Protasova

NON-CYSTIC FIBROSIS (CF) BRONCHIECTASIS: A 5-YEAR RETROSPECTIVE STUDY WITH A FOCUS ON PATIENTS WITH PRIMARY IMMUNODEFICIENCIES (PID)

Hélène Goussault (Saint-Cloud, France), Emilie Catherinot, Nizar Mahlaoui, Colas Tcherakian, Hélène Salvator, Alexandre Chabrol, Elisabeth Rivaud, Marie-Laure Chabi, Alain Fischer, Felipe Suarez, Olivier Lortholary, Philippe Devillier, Louis-Jean Couderc

One year follow-up of respiratory health outcomes in adult patients with non-Cystic Fibrosis Bronchiectasis

Berrin Ceyhan (Istanbul, Turkey), Melahat Bekir, Sehnaz Olgun Yildizeli, Derya Kocakaya

12:50 - 14:40

Thematic poster: Occupational and environmental lung diseases: influence on the airway and interstitium**Disease(s) :** Airway diseases Interstitial lung diseases Thoracic oncology**Method(s) :** Epidemiology Imaging General respiratory patient care Public health Physiology**Chairs :** Paul K. Henneberger (Morgantown, United States of America), Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Torben Sigsgaard (Århus, Denmark), Sayyora Bazarova (Tashkent, Uzbekistan)**A new cause of work-related asthma: pyromelittic dianhydride**

Jesper Baelum (Odense C, Denmark), David L. Sherson, Milene Madsen, Lars Skadhauge, Anders D Nielsen

Kebab restaurant workers ; A Risky Business

Zafer Hasan Ali Sak (Anliurfa, Turkey), Erif Kurtulu, Birsan Ocaklı, Ibrahim Bayhan, M. Irfan Ye Ilınacar, Peri Arbak

Interstitial lung disease in seven construction worker who built an extension on hydrofluoric gas manufacturing factory

Mi Yeon Kim (Incheon, Republic of Korea), Daeho Kim, Jung-Ah Shin, Hee Kyung Ahn, Byung-Soon Choi

Occupational COPD and smoking – a matter of inhalation?

Else Würtz (Tjele, Denmark), Charlotte Brasch-Andersen, Rudi Steffensen, Jens Georg Hansen, Tine Halsen Malling, Vivi Schlunssen, Oyvind Omland

Increase in isocyanate-induced occupational asthma in Czech Republic

Pavlina Klusáková (Praha, Czech Republic), Bronislava Viest, Jindřiska Lebedová, Tomáš Navrátil

Obesity modifies the effect of WTC exposure on quantitative chest CT measured airway wall thickness

Rafael E. de la Hoz (New York, United States of America), Xiaoyu Liu, John T. Doucette, Yunho Jeon, Juan C. Celedón, Raúl San José Estépar

Early UK experience of referred cases of possible silicosis following updated guidance on silica health surveillance

David Fishwick (Sheffield (South Yorkshire), United Kingdom), Chris M Barber, Mohamed Kamil

Distribution of sensitizer-induced occupational asthma in R. Macedonia by occupation in the period 2005-2017

Jordan Minov (Skopje, FYROM (Macedonia)), Jovanka Karadzinska-Bislimovska, Saso Stoleski, Dragan Mijakoski, Aneta Atanasovska

Exhaled nitric oxide in mustard airway disease

Rasoul Aliannejad (Tehran, Islamic Republic of Iran), B. Fatemeh Nobakht M.Gh.

Late onset findings of paranasal sinuses CT & lung HRCT scan after Mustard gas inhalation

Maryamossadat Moeini Azad Tehrani (Tehran, Islamic Republic of Iran)

Comparison of number of asbestos bodies in formalin fixed lung tissue and paraffin block

Holger Dressel (Zürich, Switzerland), Barbara Kuhn, Fabio Barresi, Bart Vrugt

Assessment of the incidence and risk factors of coal-worker's pneumoconiosis (CWP) in Silesia, Poland.

Renata Zlotkowska (Katowice, Poland), Alina Mroczek

Complications of Occupational Silicosis (OS)

Maher Maoua (Sousse, Tunisia), Asma Chouchane, Aicha Brahem, Haifa Aroui, Imen Kacem, Sana El Guedri, Houda Kalboussi, Olfa El Maalel O, Souheil Chatti, Nejib Mrizak

Occupational diseases as a metaphor: do not cough!

Ay e Co kun Beyan (ZMR, Turkey), Yucel Demiral, Serhat Erdal

Outbreak of asthma, rhinitis and skin symptoms in processing of polyvinyl chloride-polyurethane (PVC-PU) fabrics

Irmeli Lindström (Helsinki, Finland), Hille Suojalehto, Katri Suuronen

Lung Function Decline In Occupational Asthma (OA): A Comparison of Irritant-Induced Asthma and Sensitising OA.

Maximillian Thomas (Birmingham (West Midlands), United Kingdom), Vicky Moore, Gareth Walters

Infant lung growth is associated with exposure to oxides of nitrogen

Nithiseelan Rajen Naidoo (Durban, South Africa), Prakash Jeena, Sheena Muttou, Kareshma Asharam, Aweke Mitku

A case of unsuspected hard metal lung disease in a thermal sprayer in NSW, Australia.

Deborah Yates (Sydney (NSW), Australia), Samuel Sameh, Elizabethne Silverstone, Robert A Cohen, Jerrold L Abraham, Somya Sanyal, Tracy A Smith

Longitudinal observation of firefighter lung function over nine years using impulse oscillometry

Flynn Slattery (Adelaide (SA), Australia), Kylie Johnston, Catherine Paquet, Alan Crockett

Occupational asthma in a mycologist

Gareth Walters (Redditch (Hereford and), United Kingdom), Vicky Moore, Alastair Robertson, Sherwood Burge

12:50 - 14:40

Thematic poster: New developments in the treatment of asthma**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Cell and molecular biology Respiratory intensive care**Chairs :** Jeanne-Marie Perotin-Collard (Reims, France), Tai Tran Quoc (Ho Chi Minh, Vietnam), Hannu Kankaanranta (Seinäjoki, Finland), Anke-Hilse Maitland-van der Zee (Amsterdam, Netherlands)**Evaluation of ICS/LABA combination therapy on respiratory function in patients with asthma: Open-label, randomized, cross-over trial.**

Hiroyuki Ohbayashi (Kitanagoya City (Aichi), Japan), Sahori Kudo, Mitsue Ariga

Pooled analysis of the efficacy and safety from two non-interventional studies of fluticasone propionate/formoterol pMDI

Vibeke Backer (København, Denmark), Olaf Schmidt, Birgit Langer-Brauburger, Tanja Schmidt, Carla Bennett, Dirk Lindner, Susanna Cuadripani, Birgit Grothe, Tim Overend

Efficacy of weight-based reslizumab dosing is consistent across body weights in post-hoc analysis

Kevin Murphy (Omaha, United States of America), Robert Noble, Lisa Hickey, Margaret Garin

Efficacy and safety of extrafine glycopyrronium bromide (GB) in uncontrolled asthmatic patients

Mario Scuri (Parma (PR), Italy), Pierluigi Paggiaro, Ilaria Valente, Alessandro Guasconi, Sandrine Corre, Alberto Papi

Management of severe allergic asthma in the UK: Which monoclonal antibody would you choose?

Tanveer Khalid (Tameside (Greater Manchester), United Kingdom), Ben Clarke, Peter Vivian, Jonathan Walker, Dinesh Saralaya

Real-world effectiveness of omalizumab in allergic asthma patients with low or high blood eosinophils: A retrospective claims analysis study

Nicola Hanania (Houston, United States of America), Juanzhi Fang, Zhongyuan Wei, Benjamin Ortiz, Abhishek Kavati, Xavier Jaumont, Luisa Alvares, Hui Cao

Steroid inhaler dose reduction in comparison with montelukast discontinuation in asthma patients controlled by steroid inhaler and montelukast

Hamidreza Abtahi (Tehran, Islamic Republic of Iran), Beshrat Rahimi, Shahideh Amini

Intravenous (IV) reslizumab efficacy does not differ by blood eosinophil lowering to levels above or below 50 cells/ μ L

Yochai Adir (Haifa, Israel), Mario Castro, Pascal Chanez, Mirna McDonald, Lisa Hickey, Margaret Garin

Immunogenicity assessment of intravenous administration of reslizumab in patients with asthma in phase 3 clinical studies

Margaret Garin (Media, United States of America), Linglong Zou, Laurie Pukac, Yael Shalit, Patrick Liu

Tiotropium provides greater improvements in FEV1 than leukotriene receptor antagonists as add-on to ICS in adults with asthma: a systematic review

Alan Kaplan (Stouffville (ON), Canada), J. Mark Fitzgerald, Georges El Azzi, Michael Engel, Roland Buhl

No clinically relevant hypersensitivity reactions in clinical trials with tralokinumab in asthma

Mats Carlsson (Göteborg, Sweden), Martin Braddock, Yuling Li, Jihong Wang, Weichen Xu, Gene Colice

Adherence to inhaled steroids treatment using smart nebulisers in severe asthmatics

Bernhard Müllinger (Gauting, Germany), Gary Burgess, Anna Ribera, Sue Snape

Characteristics of patients receiving mepolizumab in real-world practice –REALITI-A study

Namhee Kwon (Brentford (Middlesex), United Kingdom), Kim Gemzoe, Sally Worsley, Necdet Gunsoy, Sandra Joksaite, Melissa Van Dyke, Carys Bettinson, Frank Albers

Long-term results of anti-IgE-therapy in severe uncontrolled child asthma.

Svetlana Diakova (Moscow, Russian Federation), Yuriy Mizernitskyi, Ludmila Sokolova, Elena Sorokina, Irina Zorina

Which are the factors and causes that lead to omalizumab withdrawal in severe asthma patients?

Ester Zamarron De Lucas (Madrid, Spain), David Romero Ribate, Juan Fernández-Lahera Martínez, Carlos Villasante Fernández-Montes, Santiago Quirce Gancedo, Pilar Barranco Sanz, Javier Domínguez Ortega, Rodolfo Álvarez-Sala Walther

Reliever effect of extrafine BDP/F DPI in asthmatic patients after methacholine challenge

Massimo Corradi (Parma (PR), Italy), Dave Singh, Frans Van Den Berg, Brian Leaker, Sunny Jabbal, Sara Collarini, Valentina Mongelli, Luigi Santoro, Annalisa Piccinno, Sonia Biondaro, Brian Lipworth

Analysis of cytogenetic alterations in asthmatic patients treated with beclometasone dipropionate

Andrey Lintsov (St.Petersburg, Russian Federation), Boris Uslontsev, Nadezhda Pleskach, Viktor Mikhelson

Inhaled corticosteroids and asthma control in adult-onset asthma: 12-year follow-up study

Iida Vähätalo (Tampere, Finland), Pinja Ilmarinen, Leena E Tuomisto, Onni Niemelä, Hannu Kankaanranta

Intermittent tiotropium in early childhood wheezing? Preliminary safety results of a pilot study

Anne Kotaniemi-Syrjänen (Vantaa, Finland), Timo Klemola, Petri Koponen, Henriikka Aito, Kristiina Malmström, Pekka Malmberg, Anna Pelkonen, Mika Mäkelä

Consistent efficacy across endpoints with reslizumab despite short term variability in blood eosinophil levels

Mario Castro (St. Louis, United States of America), Yochai Adir, Pascal Chanez, Mirna McDonald, Lisa Hickey, Margaret Garin

12:50 - 14:40

Thematic poster: COPD around the world**Disease(s) :** Airway diseases Respiratory infections Thoracic oncology**Method(s) :** Epidemiology General respiratory patient care Public health Cell and molecular biology**Chairs :** Therese Lapperre (København NV, Denmark), Fabrizio Luppi (Spilamberto (MO), Italy), Miriam Barrecheguren Fernandez (Barcelona, Spain), Marija Vukoja (Sremska Kamenica, Republic of Serbia)**A cross-sectional study in severe COPD patients in the Middle East and Africa (MEA): Symptoms variability and quality of life**

Nurdan Köktürk (Ankara, Turkey), Medhat Soliman, Amr Albanna, Richard Van Zyl Smit, Elmas Malvolti, Dina Ahmed

A cross-sectional study in severe COPD patients in the Middle East and Africa (MEA): Methodology and patients' profile

Ashraf Alzaabi (Abu Dhabi, United Arab Emirates), Hakan Gunen, Alev Gurgun, Nouredine Zidouni, Mousa Khadadah, Wael Abuharbid

Evaluation of Slow Vital capacity and Forced Vital Capacity in patients with COPD

Olga Nesterovska (Chernivtsi , Ukraine), Ganna Stupnytska, Anastasiya Stupnytska

Diagnosis of COPD in patients with multidrug-resistant tuberculosis

Halina L Baradzina (Minsk, Belarus)

Relationship between the load of potentially pathogenic bacterial species with quality of life in biomass-smoke associated COPD subjects in rural Indian population

Baishakhi Ghosh (Bangalore (Karnataka), India), Akshay Gaike, Kanchan Pyasi, Bill Brashier, Vandana Das, Jyoti Londhe, Sanjay Juvekar, Yogesh Shouche, Louise Donnelly, Sundeep Salvi, Peter Barnes

Adherence to GOLD guidelines practices in the management of COPD in Tunisia

Aissa Sana (Sousse, Tunisia), Knaz Asma, Benzarti Wafa, Gargouri Imen, Abdelghani Ahmed, Garrouche Abdelhamid, Hayouni Abdelaziz, Benzarti Mohamed

Disease specific knowledge in Tunisian COPD patients

hadhemi rejeb (sousse, Tunisia), Rania Kaddoussi, Mouna Ben Khelifa, Seri Jdidi, Imen Ben Saida, Wafa Benzarti, Sana Aissa, Imen Gargouri, Ahmed Abdelghani, Abdelhamid Garrouche, Abdelaziz Hayouni, Mohamed Benzarti

Evaluation of the demographics, diagnosis and monitoring, management, device usage and adherence among COPD patients: A survey of doctors in Nepal

Ramesh Chokhani (Kathmandu, Nepal), Narendra Bhatta, Aniruddha Mukhopadhyay, Vaibhav Gaur, Jaideep Gogtay

Characterization of patients with severe COPD

Rosa Malo De Molina Ruiz (Madrid, Spain), Cristina Esquinas, Carlos Martinez Rivera , Eduardo Marquez Martin , Elsa Naval Sendra, Manuel Valle Falcones , Eva Cabrera Cesar, Ana Boldova Loscertales, Javier Callejas , Marc Miravittles

The distribution of COPD in general practice using three different GOLD classification

Irina Salakhova (Kazan', Russian Federation), Alexander Vizel, Adelya Vafina, Irina Vizel

Opportunistic screening for COPD in primary care - A pooled analysis of 6.710 symptomaticsmokers and ex-smokers

Oliver Djurhuus Tupper (København NV, Denmark), Andreas Katsimigas, Peter Kjeldgaard, Charlotte Suppli Ulrik

Determinants of dyspnea in COPD patients: the French PALOMB cohort

El-hassane Ouailaya (Merignac, France), Emilie Berteaud, Alain Bernardy, Jean-Michel Dupis, Marielle Sabatini, Laurent Falque, Fr  d  ric Le Guillou, Cecilia Nocent-Ejnaini, Laurent Nguyen, Annaig Ozier, Julien Casteigt, Mathieu Molimard, Chantal Raheison-Semjen

Prevalence of COPD in heroin smokers attending treatment centres assessed using LLN and relationship to drug consumption

Paul Walker (Wirral (Merseyside), United Kingdom), Hassan Burhan, Ryan Young, Tara Byrne, Rob Peat, Jennifer Furlong, Sue Renwick, Tristan Elkin, Sandra Oelbaum

EPIDEMIOLOGICAL AND CLINICAL CHARACTERISTICS OF THE CANCER OF PULMON WITH COPD IN OUR HEALTH AREA IN THE YEARS 2016-2017

Ascensi  n Mar  a V  lchez Parras (Torredelcampo (Ja  n), Spain), Mar  a L  pez L  pez, Gerardo P  rez Chica, Celia Lac  rcel Bautista

COPD in elderly patients – an analysis of the DACCORD observational study

Heinrich Worth (F  rth, Germany), Roland Buhl , Carl-Peter Criece , Peter Kardos , Nadine Lossi, Claus Vogelmeier

Relation between gender and survival among real-life COPD patients

Nicolas Roche (Paris, France), Maeva Zysman, Isabelle Court-Fortune, Graziella Brinchault-Rabin, Pascale Nesme-Meyer, Pascale Surpas, Gaetan Desl  e, Thierry Perez, Roger Escamilla, Gilles Jebrak, Pascal Chanez, Jean-Louis Paillasseur, Denis Caillaud, Pierre-R  gis Burgel

Non-smoking COPD: an overlooked systemic disease, modifiable by physical activity based on studying a cohort of 386,304 subjects

Chin-Chung Shu (Taipei, Taiwan), Ta-Chen Su, June Han Lee, Min Kwang Tsai, Chi-Pang Wen

Characteristics of "frequent exacerbators" in mild to moderate COPD patients.

Hye Sook Choi (Gyeongju, Republic of Korea), Young Bum Park, Kwang Ha Yoo, Chin Kook Rhee

Bacterial structure of sputum from patients with exacerbations of COPD in a single medical center in Central Kazakhstan

Aigerim Yergaliyeva (Astana, Kazakhstan), Nelya Bisenova

Should we be doing more to address cardiovascular risk in patients who have COPD? Learning from a quality improvement project at Basildon Hospital.

Oscar Atkins (Bristol (Avon), United Kingdom), Marcus Pittman

12:50 - 14:40

Thematic poster: Pulmonary drug delivery: inhaler use, devices and technologies

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Public health Epidemiology Imaging

Chairs : Omar S. Usmani (London, United Kingdom), Nicolas Roche (Paris, France), Frederik Trinkmann (Mannheim, Germany), Chair to be confirmed

Evaluation of inhalation technique in patients using Dry Powder Inhaler (DPI), and the effect of patient education on their techniques- an experience from Nepal

Sudeep Shrestha (Dhulikhel, Nepal), Sandhya Shrestha, Maun Ranjan Baral, Sambhawana Bhandari, Swati Chand, Prashiddha Dhakal, Rajendra Tamrakar, Ram Kumar Mehta, Nirish Vaidhya, Satyaa Shrestha, Bijay Krishna Prajapati, Rajesh Pandey, Ashish Shrestha, Hari Kumar Shrestha

Standardising inhaler technique videos in a clinician and patient app

Azhar Saleem (London, United Kingdom), Darush Attar-Zadeh, Jas Khambh, Tim Root, Ben Rehman, Vince Mak, Omar Usmani

Asthma control and COPD symptom burden: results from a multi-country observational study (SPRINT) in patients using fixed dose combination (FDC) inhalers

Nicolas Roche (Paris, France), Vicente Plaza, Vibeke Backer, Job Van Der Palen, Isa Cerveri, Chelo Gonzalez, Guilherme Safioti, Irma Scheepstra, Oliver Patino, Dave Singh

What influences the response to training of inhalation technique in patients with asthma and COPD?

Izabela Domaga a (Zielona Góra, Poland), Marta D browska, Marta Mischczuk, Katarzyna uczak, Marta Maskey-Warz chowska, Rafa Krenke

A novel approach of using pharmaceutical pictogram for improving asthma inhaler techniques

Basima Almomani (Irbid, Jordan), Enas Mokhemer

Inhaler preferences and satisfaction of asthma and COPD patients

Janwillem W. H. Kocks (Groningen, Netherlands), Lise van Dijk, Jos Luers, Halima El Messlaki, Xana Van Jaarsveld, Esther Metting

Differences in inhaler misuse between patients with asthma and COPD.

Marta Mischczuk (Warszawa, Poland), Marta D browska, Izabela Domaga a, Katarzyna uczak, Marta Maskey-Warz chowska, Rafa Krenke

Switch to Budesonide/Formoterol Easyhaler Inhalation from other inhalers in asthma patients; A real-life study

Gabriella Gálffy (Budapest, Hungary), Mária Szilasi

Importance of inhaler device use status in the control of asthma and COPD: a real life study.

Alice Bragantini (Genova (GE), Italy), Teresita Aloè, Tommaso Bondavalli, Diego Bagnasco, Giovanni Passalacqua

Pharmacokinetics (PK) and safety of budesonide/glycopyrronium/formoterol fumarate dihydrate (BGF) and glycopyrronium/formoterol fumarate dihydrate (GFF) metered dose inhaler (MDI) in healthy Chinese adults

(,), Yun Liu, Kevin Shen, Pryseley N. Assam, Michael Gillen, Paul Dorinsky

Efficacy and safety of glycopyrronium/formoterol fumarate dihydrate metered dose inhaler (GFF MDI) delivered using co-suspension delivery technology in Japanese patients with moderate-to-very severe COPD

Yasuhiro Gon (Tokyo, Japan), Koichi Nishi, Kazuhiro Sato, Andrea Maes, Shahid Siddiqui, Nobuya Hayashi, Hajime Hirata, Colin Reisner, Ubaldo J. Martin

Lung deposition of extrafine inhaled corticosteroid (ICS)-containing fixed combinations drug in COPD patients using Functional Respiratory Imaging (FRI).

Mario Scuri (Parma (PR), Italy), Omar Usmani, Wim Vos, Benjamin Mignot, Ilaria Valente, Roberta De Maria, Nicola Scichilone

Hyaluronic acid improves tolerability to 7% hypertonic saline solution in bronchiectasis patients

Luis Maiz Carro (Madrid, Spain), Rosa M. Giron, Eva Prats, Marta G. Clemente, Eva Polverino, Silvia Caño, Rosa Cordovilla, Jordi Dorca, Carlos PeñAlver, Félix Baranda, Miguel A. Martinez-Garcia

Efficacy of the device in targeting tiotropium to the small airways in COPD

Martyn Biddiscombe (London, United Kingdom), Azhar Saleem, Sally Meah, Vincent Mak, Omar Usmani, Amanda Pellowe (Amanda.pellowe@yale.edu / Yale University, New Haven), Jia Li (jia.li.jl2875@yale.edu / Shanghai Jiao Tong University, Shanghai), Xueyan Peng (xueyan.peng@yale.edu / Yale University, New Haven), Anjelica Gonzalez (Anjelica.gonzalez@yale.edu / Yale University, New Haven), Erica Herzog (erica.herzog@yale.edu / Yale University, New Haven)

Consistency of aerosol characteristics at low flow rates for a novel mesh nebulizer

John Pritchard (Newtown Linford, United Kingdom), Lois Slator, Dirk Von Hollen

Reusable soft mist inhaler: maintaining aerosol performance

Herbert Wachtel (Ingelheim, Germany), Michaela Hänsel, Joachim Eicher

DuoResp Spiromax adherence, satisfaction and ease of use: findings from a multi-country observational study in patients with asthma and COPD (SPRINT)

Job van der Palen (Enschede, Netherlands), Isa Cerveri, Nicolas Roche, Dave Singh, Vicente Plaza, Chelo Gonzalez, Oliver Patino, Irma Scheepstra, Guilherme Safioti, Vibeke Backer

Reduced environmental impact of a reusable soft mist inhaler

Michaela Hänsel (Nieder-Olm, Germany), Thomas Bambach, Herbert Wachtel

Comparing Lung Geometrical Areas of interest in Gamma Scintigraphy as Assessment Tool for Inhaled Drug Deposition

Abdullah Ghazwani (Dhahran, Saudi Arabia), Martyn Biddiscombe, Omar Usmani

Revealing the regional localization and lung retention of inhaled drugs

Erica Bäckström (Mölndal, Sweden), Gregory Hamm, Mikael Brülls, Richard Goodwin, Markus Fridén

12:50 - 14:40

Thematic poster: Pulmonary fibrosis: from models to patients

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Physiology

Chairs : Manuela Platé (London, United Kingdom), Arnaud Mailleux (Paris, France), Chair to be confirmed

LSC - 2018 - Distinct metabolic alterations in airway macrophages during pulmonary fibrosis

Patricia Ogger (London, United Kingdom), Toby Maher (t.maher@rbht.nhs.uk / Royal Brompton Hospital, London), Clare Lloyd (c.lloyd@imperial.ac.uk / Imperial College London, London), Adam Byrne (a.byrne@imperial.ac.uk / Imperial College London, London)

LSC - 2018 - MTOR regulates TGF β -induced collagen synthesis via increased glycine biosynthesis

Ilan Azuelos (Montréal (QC), Canada), Brintha Selvarajah (brintha.hayes@ucl.ac.uk / UCL, London), Manuela Plate (m.plate@ucl.ac.uk / UCL, London), Hannah Woodcock (h.woodcock@ucl.ac.uk / UCL, London), Adam Taylor (adam.2.taylor@gsk.com / GSK, London), Gino Brunori (Gino.2.Brunori@gsk.com / GSK, Ware), Andy Blanchard (andy.d.blanchard@gsk.com / GSK, Stevenage), Paul Mercer (paul.mercer@ucl.ac.uk / UCL, London), Rachel Chambers (r.chambers@ucl.ac.uk / UCL, London)

LSC - 2018 - Material properties of lung scaffolds derived from healthy and IPF donor tissues are associated with disease pathology

Anna-Karin Larsson-Callerfelt (Lund, Sweden), Linda Elowsson, Anna Lofdahl (anna.lofdahl@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Oskar Rosmark (oskar.rosmark@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Catharina Muller (catharina.muller@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Anna-Karin Larsson Callerfelt (anna-karin.larsson_callerfelt@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund), Johan Malmstrom (johan.malmstrom@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University, Lund), Emma Ahrman (emma.ahrman@med.lu.se / Division of Infection Medicine, Clinical Sciences, Lund University, Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology, Experimental Medical Science, Lund University, Lund)

Transcriptomic profiling of alveolar type 2 cells from mice expressing an ILD associated SFTPC173T mutation supports their role in inflammatory cell recruitment and fibrotic lung remodeling.

Michael Beers (Wayne, United States of America), Jeremy Katzen, Alessandro Venosa, Yaniv Tomer, Michael Morley, Shin-Ichi Nureki

The hypoxia-inducible factor 1 α protein stabilizers inhibit transforming growth factor β -induced extracellular matrix proteins in epithelial cells and fibroblasts.

Akira Ando (Nagoya-city, Japan), Naozumi Hashimoto, Koji Sakamoto, Yoshinori Hasegawa

Effective lncRNAs on myofibroblast differentiation in human A549 cell line treated with TGF- β

Merve Yildirim (Istanbul, Turkey), Ozgecan Kayalar, Fusun Oztay

Anti-fibrotic effect of Atorvastatin on the lung fibroblasts and myofibroblasts

Ersan Atahan (Istanbul, Turkey), Merve Yildirim, Ozgecan Kayalar, Fusun Oztay

Effect of NADPH oxidase inhibitors on lung fibroblast proliferation in systemic sclerosis

Thong Hua-Huy (Paris, France), Carole Nicco, Jean-Luc Boucher, Hai Vu-Ngoc, Estelle Tran-Van-Hoi, Frederic Batteux, Anny Slama-Schwok, Anh Tuan Dinh-Xuan

Development of improved method to identify and analyze lung fibrocytes with flow cytometry in a reporter mouse strain

Hiroshi Kawano (Tokushima, Japan), Kazuya Koyama, Haruka Nishimura, Yuko Toyoda, Kozo Kagawa, Seidai Sato, Nobuhito Naito, Hisatsugu Goto, Yutaka Inagaki, Yasuhiko Nishioka

Unravelling specific mechanisms of wound healing and pulmonary fibrosis in human ex vivo lung tissue slices

Christina Hesse (HANNOVER, Germany), Samuel Mang, Stefan-Lutz Wollin, Monika Niehof, Peter Braubach, Danny Jonigk, Mark Kühnel, Gregor Warnecke, Olaf Pfennig, Hans-Gerd Fieguth, Armin Braun, Katherina Sewald

Mast cells and tryptase have migratory effect on human lung fibroblasts that is PAR-2 dependent

Mariam Bagher (Malmö, Sweden), Anna-Karin Larsson-Callerfelt, Oskar Hallgren, Leif Bjermer, Gunilla Westergren-Thorsson

Erythropoietin (EPO) attenuates the immunohistochemical expression of tumor growth factor- β (TGF- β) in bleomycin (BLM)-induced pulmonary fibrosis (PF) in rats

Drosos Tsavlis (Thessaloniki, Greece), Doxakis Anastakis, Anna Tzoumaka, Constantina Symeonidou, Kokona Kouzi - Koliakou, Anastasia Tektonidou, Evangelia Spandou

Eosinophilic inflammation and worsening of lung function upon pirfenidone treatment in Fra-2 transgenic mice

Anna Gungl (GRAZ, Austria), Valentina Biasin, Crnkovic Slaven, Leigh M Marsh, Grazyna Kwapiszewska, Horst Olschewski

A novel chronic murine model of idiopathic pulmonary fibrosis

Karina Smidt Simon (Brasilia (DF), Brazil), Cesar Melo-Silva, Paulo Veloso-Junior, Verônica Amado, Florêncio Figueiredo, Anamélia Bocca

Analysis of the lung microbiota in healthy dogs and in canine idiopathic pulmonary fibrosis, a possible spontaneous model for human IPF.

Aline Fastrès (Liège, Belgium), Elodie Roels, Bernard Taminiau, Minna Rajamäki, Georges Daube, Julien Guiot, Cécile Clercx

Protective roles of mannose receptor in an experimental pulmonary fibrosis model

Masahiro Yamashita (Morioka (Iwate Prefecture), Japan), Miyuki Niisato, Yasushi Kawasaki, Makoto Maemondo

Time-course analysis of bleomycin-induced lung fibrosis in the rat

Vanessa Pitozzi (Parma (PR), Italy), Paola Caruso, Martina Bonatti, Fabio Bignami, Maria Gloria Pittelli, Silvia Pontis, Caterina Frati, Chiara Mangiaracina, Federico Quaini, Costanza Lagrasta, Maurizio Civelli, Gino Villetti, Marcello Trevisani

Role of regulatory T-cells (Tregs) in bacterial infection-induced lung fibrosis exacerbation in mice

Steffi Moyé (Hannover, Germany), Regina Maus, Tim Sparwasser, Jack Gauldie, Martin Kolb, Tobias Welte, Ulrich A. Maus

The possible role of gastrin-releasing peptide on pulmonary fibrosis

Özgecan Kayalar (Istanbul, Turkey), H Gul Öngen, Fusun Oztay

12:50 - 14:40

Thematic poster: Molecular and cellular determinants of the developing lung

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Physiology

Chairs : Silvia Carraro (Padova (PD), Italy), Miguel Angel Alejandre Alcázar (Köln, Germany), Cho-Ming Chao (Gießen, Germany), Robbert J. Rottier (Rotterdam, Netherlands)

LSC - 2018 - Impaired angiogenic supportive capacity and altered gene expression profile of CD146 + mesenchymal stromal cells isolated from hyperoxia-injured neonatal rat lungs

Robbert J. Rottier (Rotterdam, Netherlands), Jennifer J.P. Collins, Marissa A. Lithopoulos (mlithopoulos@gmail.com / Ottawa Hospital Research Institute, Ottawa), Claudia C. Dos Santos (dossantos@smh.ca / Keenan Research Centre for Biomedical Science of St. Michael's Hospital, Toronto), Nahla Issa (nahlaissa@gmail.com / Ottawa Hospital Research Institute, Ottawa), Marius A. Moebius (marius_alexander.moebius@tu-dresden.de / Technische Universität Dresden, Dresden), Caryn Ito (cito@ohri.ca / Ottawa Hospital Research Institute, Ottawa), Shumei Zhong (szhong@ohri.ca / Ottawa Hospital Research Institute, Ottawa), Arul Vadivel (avadivel@ohri.ca / Ottawa Hospital Research Institute, Ottawa), Bernard Thebaud (bthebaud@ohri.ca / Ottawa Hospital Research Institute, Ottawa)

Diversity in mesenchymal lineages during early human lung development

Soula Danopoulos (Los Angeles, United States of America), Soumyaroop Bhattacharya, Matthew Thornton, Brendan Grubbs, Thomas J. Mariani, Denise Al Alam

Krüppel-like factor 4 (Klf4) is a novel regulator of neonatal lung fibroblast homeostasis and reduced in hyperoxia-induced lung injury

Dharmesh Hirani (cologne, Germany), Manuel Koch, Katharina Dinger, Jasmine Mohr, Christina Vohlen, Christian Klautt, Jörg Dötsch, Miguel A. Alejandre Alcazar

Maternal allergen exposure increases offspring sensory airway innervation and airway hyperreactivity in mice

Alexandra Pincus (Portland, United States of America), Allison Fryer, David Jacoby, Katie Lebold

Loss of IL-6 enables lung growth in newborn mice exposed to prolonged hyperoxia

Dharmesh Hirani (cologne, Germany), Katharina Dinger, Jasmine Mohr, Christina Vohlen, Behrus Darvishan, Fabian Klein, Eva Lopez Garcia, Margarete Odenthal, Jörg Dötsch, Miguel A. Alejandre Alcazar

Role of TREM1-Ripk3 axis in hyperoxia induced lung injury in neonates.

Mansoor Ali Syed (New Delhi (Delhi), India), Dilip Shah, Vineet Bhandari

Sox21, a novel player in the proximal-distal specification of airway epithelium

Evelien Eenjes (, Netherlands), Marjon Buscop-Van Kempen, Anne Boerema-De Munck, Anneloes Van Krimpen, Lisette De Kreij- De Bruin, Robbert Rottier

Identification of Cux1 as a Sox2 interaction partner in the embryonic mouse lung

Gabriëla Edel (Oud-Beijerland, Netherlands), Kim Schilders, Evelien Eenjes, Judith Birkhoff, Marjon Buscop-Van Kempen, Anne Boerema-De Munck, Jeroen Demmers, Robbert Rottier

Krüppel-like Factor 4 (Klf4) in human and mouse lung development: Regulation of ATII Cell Homeostasis in Lungs of Newborn Mice Exposed to HYX

Jasmine Mohr (Köln, Germany), Manuel Koch, Nikos Oikonomou, Bernhard Schermer, Katharina Dinger, Christina Vohlen, Dharmesh Hirani, Margarete Odenthal, Denise Al Alam, Soula Danopoulos, Jörg Dötsch, Miguel A. Alejandre Alcazar

The role of epithelial Pten in programmed cellular senescence during lung development

Ayako Miura (Miyazaki, Japan), Shigehisa Yanagi, Hironobu Tsubouchi, Ayako Matsuo, Nobuhiro Matsumoto, Masamitsu Nakazato

Effect of inhaled N-acetylcysteine on the oxidative stress and content of proteases in lungs of newborn guinea pigs exposed to hyperoxia

Iryna Katovich (Minsk, Belarus), Zhanna Rutkouskaya, Svetlana Anischenko, Anatoly Tahanovich

Thickening of the airway smooth muscle layer from late gestation to first year of life is accompanied by a reduction in smooth muscle cell density

Kimberley Wang (Southern River, Australia), John Elliot, Sejal Saglani, Peter Noble, Alan James

Zebrafish as a model for study of developmental origins of chronic lung diseases

Aleksandra Divac Rankov (Beograd, Republic of Serbia), Mila Ljubic, Mate Varga, Sabine Bartel, Susanne Krauss-Etschmann

12:50 - 14:40

Thematic poster: Acutely hospitalised patients: physiotherapy interventions and assessment methods

Disease(s) : Respiratory critical care Thoracic oncology Pulmonary vascular diseases Airway diseases Respiratory infections

Method(s) : Respiratory intensive care General respiratory patient care Imaging Physiology Surgery Public health

Chairs : Agnieszka Lewko (London, United Kingdom), Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Gregory Reyckler (Bruxelles, Belgium), Chair to be confirmed

Methodological approach to the development of a learning needs assessment tool

David Anekwe (Montreal, Canada), Lynn Gillespie, Sherry Katz, André Bussi res, Gregory Moullec, Jadranka Spahija

Safety of cough assist set at different pressure levels in an animal model of mechanical ventilation

Roberto Martinez Alejos (Bordeaux, France), Joan Daniel Mart  Romeu, Gianluigi Li Bassi, Xabier Pilar Diaz, Hua Yang, Francesco Pagliara, Denise Battaglini, Andrea Meli, Minlan Yang, Joaquim Bobi, Ana Motos, Antoni Torres

Evaluation of oxidative stress and outcomes of hospitalization for patients on mechanical ventilation

Joao Batista Raposo Mazullo Filho (Teresina (PI), Brazil), Silvia Bona, Elizange la Schemitt, Fabiano Da Silva, Fa bio Di Naso, Luiz Forgiarini Junior, Alexandre Dias, Norma Marroni

Incidence of orotraqueal extubation failure in oncological patients.

Ivan Peres Costa (S o Paulo (SP), Brazil), Camilla Giovana Agu, Pedro Caruso, Indiara Soares De Oliveira, Celenia Freire Friedrich

INTERACTION BETWEEN THORACOABDMINAL MOTION AND NEONATAL VARIABLES IN PREMATURE INFANTS: A NUMERICAL DATA ANALYSIS

Ana Gabriela de Figueiredo Araujo (Santa Cruz, Brazil), Danielle Cristina Gomes, Ingrid Guerra Azevedo, Eduardo Lacerda Campos, Lorena Batista Louren O, Gentil Fonseca Filho, Simone Ribeiro, Silvana Alves Pereira

Early physiotherapy in the clinical course of patients on Veno-Venous Extracorporeal Membrane Oxygenation.

Andrea Drago (Scandicci (FI), Italy), Manuela Bonizzoli, Chiara Lazzeri, Laura Tadini Boninsegni, Martina Donati, Simona Di Valvasone, Antonio Pesenti, Adriano Peris

Chest physiotherapy for acute lobar/lung collapse in mechanically ventilated children: A UK survey

Elizabeth Johnson (London, United Kingdom), Helen Mercer , Amy Bridge, Emma Shkurka

A survey examining Mechanical Insufflation-Exsufflation use in UK, adult intensive care units.

Ema Swingwood (Monmouthshire, United Kingdom), Lyvonne Tume, Fiona Cramp

The largest occlusion time in maximum inspiratory pressure measurements in patients under mechanical ventilation can determine higher values to those calculated by the predictive formula: croos sectional study?

Rodrigo Tonella (Campinas, Brazil), Mariana Salles, Barbara Silva, Luciana Figueiredo, Aline Heidemann, Melaine Coelho, Antonio Falc o, L gia Ratti

Agreement between the physiotherapist's perception and the real mobility of the critical patients using Perme Score.

Marcella Almeida (S o Paulo (SP), Brazil), Luciana Chiavegato, Natalia Ricci, Ricardo Nawa

Perioperative factors associated with postoperative health-related quality of life after surgical treatment in patients with non-small-cell lung cancer.

Masato Oikawa (Nagasaki, Japan), Masatoshi Hanada, Hiroki Nagura, Naoya Yamasaki, Tomoshi Tsuchiya, Keitaro Matsumoto, Takuro Miyazaki, Takeshi Nagayasu, Ryo Koza

Investigation of the Relationship Between Peak Expiratory Flow, Dyspnea, Functional Capacity, Pain and Fatigue in Patients Undergone Abdominal Surgery

Hazal Yakut (Izmir, Turkey),  mit Akay, I smail  zsoy, Didem Karadibak

Effects of breathing exercises in the postoperative period of bariatric surgery.

Tamires Mori (Piracicaba, Brazil), Rodrigo Zerbeto, Silvia Baruki, Jos  Eust quio Souza-J nior, Daniela Berteli-Merino, Maura Rocha, Eli Maria Pazzianotto-Forti

Can the Melbourne Scoring Scale be used to assess postoperative pulmonary complications in high-risk patients following lung resection?

Barbara Cristina Brocki ( lborg SV, Denmark), Elisabeth Westerdahl, Jane Andreasen, Jan Jesper Andreasen

Upper limbs musculoskeletal repercussion after lung resection

Janet Rodriguez Torres (Granada, Spain), Mar a Del Mar Lucena Aguilera, Florencio Quero Valenzuela, Laura L pez L pez, Irene Torres S nchez, Ram n Romero Fern ndez

Investigation of the effects of neuromuscular electrical stimulation in patients with pulmonary arterial hypertension

Buse Ozcan Kahraman (Izmir, Turkey), Ismail Ozsoy, Agah Baran, Serap Acar, Ebru Ozpelit, Bahri Akdeniz, Ali Balci, Can Sevinc, Sema Saveci

Pre-operative assessment of the relationship between 6MWD and kinesiophobia in coronary revascularization surgery

Reyhan Kaygusuz (Istanbul, Turkey), Saadet Ufuk Yurdalan, Begüm Unlu

Does overweight/obesity influence cardiac autonomic modulation and functional performance in COPD exacerbation?

Audrey Borghi-Silva (Sao Carlos (SP), Brazil), Alessandro Heubel, Erika Kabbach, Aline Agnoletto, Jessica Barbosa, Meliza Roscani, Valéria Pires-Di-Lorenzo, Renata Mendes

Physiotherapy treatment for hospitalized infants with acute breathing difficulties - a survey study.

Sonja Andersson Marforio (Hjörup, Sweden), Annika Lundkvist Josenby

Factors associated with functional capacity performance in patients with lung cancer undergoing lung resection surgery

Raquel Sebio Garcia (Mataró, Spain), Esther Giménez Moolhuyzen, Isabel Yáñez Brage, Marta Salorio Riobo, Jose Maria Borro Mate

12:50 - 14:40

Thematic poster: Nutrition and metabolic syndrome in COPD**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care**Chairs :** Annemie Schols (Maastricht, Netherlands), Alexandru Corlăteanu (Chisinau, Republic of Moldova), Breda Cushen (Dublin 11, Ireland)**Usefulness of nutrition screening tools for sarcopenia screening with chronic obstructive pulmonary disease in JAPAN**

Hiroyuki Nakamura (Kagawa, Japan), Nobuyuki Kita, Kiyotaka Tanimoto, Chiaki Kunikata, Teruhisa Taoka

Association between endothelial dysfunction and nutrient consumption in patients with chronic obstructive pulmonary disease and heart failure.

Rocío Sánchez Santillán (CDMX, Mexico), C Méndez-Chávez, A Orea-Tejeda, D González-Islas, C Olivo-Villalobos, G Dávila-Said, V Paláez-Hernández, K Balderas-Muñoz, A Velázquez-Montero, M Rivera-Rodríguez, L Castillo-Aguilar, L Hernández-Urqueta

A comparison of muscle dysfunction in patients with chronic obstructive pulmonary disease and healthy subjects

Rachida Djebaili (Batna, Algeria), Radia Heddane, Rania Direche, Mounira Oulmi, Abdelmadjid Djebbar

Features of metabolic syndrome in patients with chronic obstructive pulmonary disease

Jamol Uzokov (Tashkent, Uzbekistan), Anis Alyavi, Baxrom Alyavi

Nutrition status and comorbidities in patients with severe COPD.

Eva Voláková (Olomouc, Czech Republic), Jaromír Zatloukal, Vladimír Koblízek, Michal Svoboda, Patrice Popelková, Marek Plutinsky, Kristian Brat, Barbora Novotná, Petr Safranek, Tomas Dvorak, Dmitry Rakita, Milada Sipkova, Rastislav Šimek, Eva Kocova, Michal Kopecky, Lucie Heribanova, Pavlina Musilova, Blanka Snelerova, Zuzana Liptakova, Katerina Neumannova, Zuzana Zbozinkova

Does Nutritional Risk Screening 2002 correlate with dyspnea status of patients with GOLD stage 3-4 chronic obstructive pulmonary disease: a Cohort study.

Fatma Bodur Yildirim (Ankara, Turkey), Nalan Ogan, Banu Süzen, Ayse Baha, Evrim Eylem Akp nar

Nutritional status changing in COPD – Follow-up Platino Study

Oliver Augusto Nascimento (São Paulo (SP), Brazil), Mariana Gazzotti, Ana Paula Luize, Graciane Moreira, Beatriz Manzano, Ana Maria Menezes, Rogelio Perez-Padilla, Adriana Muiño, Maria Victorina López-Varela, Maria Montes De Oca, José R. Jardim

Body composition in chronic obstructive pulmonary disease and heart failure

Luis Hernández-Urqueta (Mexico City, Mexico), Clio Chávez-Méndez, Arturo Orea-Tejeda, Dulce González-Islas, Rocío Sánchez Santillán, Rafael Hernández-Zenteno, Giselle Dávila-Said, Carmen Olivo-Villalobos, Viridiana Peláez-Hernández, Karla Balderas-Muñoz, Monica Rivera-Rodríguez, Luis Castillo-Aguilar

Correlation between peritoneal fat and mid-thigh fat in chronic respiratory patients

Laura Ciobanu (Iasi, Romania), Vasile Maciuc

Role of the fat and muscle tissues in formation of the quality of life in COPD patients.

Vitalii Poberezhets (Vinnytsia, Ukraine), Yuriy Mostovoy, Hanna Demchuk

Sleep duration is an independent determinant of metabolic impairment in COPD patients

Nikhil Sahdev (LUTON (Bedfordshire), United Kingdom), Daniel Burrage, Claire Wells, Emma Baker

Associations between variations of adipokines, cytokines and body composition in patients with chronic obstructive pulmonary disease in one year

Suzana Erico Tanni (Botucatu (SP), Brazil), Carolina Mesquita, Robson Prudente, Caroline Knaut, Estefânia Franco, Irma Godoy

Does vitamin D deficiency worsen the hospital outcome in patients with acute exacerbation COPD?

Mohamed Abdelghany (Assiut, Egypt), Hoda Makhoul, Alia Abdrabou, Amal Abdelazeez

Metabolic syndrome in chronic obstructive pulmonary disease

Haifa Zaibi (Tunis, Tunisia), Sarra Maazaoui, Jihen Ben Amar, Ines Laouini, Saloua Azzebi, M Ali Baccar, Besma Dhahri, Hichem Aouina

Correlation between being underweight and the severity of COPD

Ibna Loued (MONASTIR, Tunisia), Sonia Toujani, Abir Hedhli, Sana Cheikhrouhou, Meriem Mjid, Yassine Ouahchi, Samira Meraii

Sedentary behaviour is associated with worse cardiometabolic profiles in COPD patients, irrespective of moderate intensity physical activity

Daniel Burrage (London, United Kingdom), Claire E. Wells, Emma H. Baker

Sarcopenia index correlates with COPD clinical outcomes.

Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Beatriz Abascal Bolado, Juan Agüero Calvo, Begoña Durantes, Milagros Ruiz De Infante, Armando Raúl Guerra, María Teresa García-Unzueta, Bernardo Alio Lavín, Elena Arnaiz-García

Clinical outcome and cost-effectiveness of 1-year nutritional intervention program in COPD

Martijn van Beers (Maastricht, Netherlands), Maureen P.M.H. Rutten-Van Molken, Coby Van De Bool, Melinde Boland, Stef P.J. Kremers, Frits M.E. Franssen, Ardy Van Helvoort, Harry R. Gosker, Emiel F. Wouters, Annemie M.W.J. Schols

Change of inhaled medications during hospital admissions for acute exacerbation of COPD

Victoria Ridley (London, United Kingdom), Emma Barter, Claire Davey, Richa Singh, Jane Simpson

Chronic obstructive pulmonary disease patients: pilot project of 90-day monitoring

Alicia Oliva Ramos (Rivas-Vaciamadrid, Spain), Jose Rafael Terán Tinedo, Virginia Gallo González, Elena Ojeda Castillejo, Julio César Vargas Espinal, Luis Puente Maestu, Javier De Miguel Díez

12:50 - 14:40

Thematic poster: Primary care management of COPD**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Public health Epidemiology Respiratory intensive care**Chairs :** Rachel Jordan (Birmingham (West Midlands), United Kingdom), Evelyn Brakema (Amsterdam, Netherlands), Chair to be confirmed**Using a rapid prioritisation process to identify health research priorities in LMICs**

Andy Dickens (Birmingham (West Midlands), United Kingdom), Peymane Adab, Kar Cheng, Chunhua Chi, Brendan Cooper, Jaime Correia De Sousa, Alexandra Enocson, Amanda Farley, Nicola Gale, Kate Jolly, Sue Jowett, Mariam Maglakelidze, Tamaz Maglakelidze, Sonia Martins, Radmila Ristovska, Alice Sitch, Katarina Stavrikj, Rafael Stelmach, Alice Turner, Sian Williams, Rachel Jordan

Peak-flow or portable spirometry as a replacement for Spirometry in the diagnosis of COPD and Asthma

Sanjeev Nair (Trivandrum (Kerala), India), Arjun Padmanabhan, Anitha Kumari

Describing “real world” COPD patients in primary care in Germany – Findings of the BeoNet-Registry

Carolina Judith Klett-Tammen (Hannover, Germany), Heidrun Lingner, Alexander Kuhlmann, Torben Schmidt, Johanna Lutter, J M Von Der Schulenburg, Michael Kreuter, Tobias Welte

Health status changes in Dutch regular care COPD patients classified per GOLD category

Harma Alma (Groningen, Netherlands), Corina De Jong, Robbert Sanderman, Janwillem Kocks, Thys Van Der Molen

Asthma and Chronic Obstructive Pulmonary disease Decision Support System (Asthmacope DSS) for managing neglected chronic respiratory diseases in resource constrained primary health care setting in India

Raghupathy Anchala (Hyderabad (Andhra Pradesh), India)

Health seeking behaviour and care provided to obstructive airway disease patients in Trivandrum, South India

Padmanabhan Arjun (Trivandrum (Kerala), India), Sanjeev Nair, Anitha Kumari

COPD GOLD 2017 guidelines adherence in Swiss pulmonologists and general practitioners

Joana Marmy (Liestal, Switzerland), Jens Diedrich, Thomas Dieterle, Jörg Leuppi

Improvement of self-reported physical functioning with tiotropium/olodaterol in Central and Eastern European COPD patients

Arschang Valipour (Wien, Austria), Michael Tamm, Jana Kociánová, Valentina Bayer Zubek, Alexey Medvedchikov, Monika Haaksma Herczegh, János Mucsi, Zvi Fridlender, Claudia Toma, Andrey Belevsky, Bohumil Matula, Jurij Šorli

National and international expansion of capacity building model of India for primary care physicians(PCPs) in the management of COPD & Asthma

Haresh Chandwani (Gurgaon (Haryana), India), Sourabh Sinha, Shilpa Jain, Priyanka Gupta, Sandeep Bhalla, Bv Murali Mohan, Monica Barne, Sundeep Salvi, Dorairaj Prabhakaran

The impact of obstructive airway diseases (OADs) training on knowledge level of 385 allied health professionals in India

Madhuragauri Shevade (Pune (Maharashtra), India), Komalkirti Apte, Sapna Madas, Nisha Kale, Sundeep Salvi

The MISTRAL study: COPD treatment by general practitioners – diagnosis, treatment decisions, and cooperation with pneumologists

Khesraw John Karmand (Xanten, Germany), Thomas Voshaar, Lucia Krott

Step-down of non-indicated triple therapy in COPD using routine primary care data: A regional pilot study

Andrew Creamer (Bristol (Avon), United Kingdom), Elizabeth Mallett, Angela Stinchcombe, J Calvert

Why prescribe ICS to Dutch COPD patients in primary care, and when and how to stop. Data from focus groups with patients and health care providers

Corina de Jong (Groningen, Netherlands), Job Van Boven, Tjard Schermer, Roland Riemersma, Ebian Brill, Maarten Van Den Berge, Thys Van Der Molen, Janwillem Kocks

Data mining Inhaled corticosteroid Beclometasone dipropionate (bdp) equivalent dose from routine primary care records

Chris Newby (Leicester (Leicestershire), United Kingdom), Diamor Marke, Shauna Mckibben, Chris Griffiths

REDucing Delay through edUcation on eXacerbations (REDUX) in patients with COPD

Cynthia Hallensleben (Capelle aan den IJssel, Netherlands), Jaco Biewenga, Job F.M. van Boven, Niels H. Chavannes

The risk of repeated hospitalizations for exacerbations of chronic obstructive pulmonary disease

Rustem Khamitov (Kazan (Republic of Tatarstan), Russian Federation), Alfia Iakupova, Aigoul Zinnatullina

Prediction of future COPD exacerbations - DOSE index or a history of exacerbations?

Björn Stållberg (Uppsala, Sweden), Marieann Högman, Christer Janson, Kristina Bröms, Andrei Malinovschi, Karin Lisspers

Understanding referral to Pulmonary Rehabilitation for COPD patients by Primary Health Care staff - a qualitative study using the Theoretical Domains Framework.

Jane Watson (Cambridge (Cambridgeshire), United Kingdom), Rachel Jordan, Paymane Adeb, Alexandra Enocson, Sheila Greenfield, Ivo Vlaev

TANDEM (Tailored intervention for ANxiety and DEpression Management in COPD) trial: Qualitative interviews with health care professionals from the pilot phase

clarisse dibao-dina (tours, France), Stephanie Taylor, Hilary Pinnock, Elizabeth Steed, Sarah Saqi-Waseem, Moira Kelly

Participant experiences in TANDEM feasibility pilot

Amy Barradell (Leicester (Leicestershire), United Kingdom), Ratna Sohanpal, Kristie-Marie Mammoliti, Anna Moore, Hilary Pinnock, Stephanie Jc Taylor

12:50 - 14:40

Thematic poster: Basic pharmacology**Disease(s) :** Airway diseases Respiratory infections Interstitial lung diseases Respiratory critical care**Method(s) :** Cell and molecular biology General respiratory patient care Physiology**Chairs :** Michael A. Wortley (London, United Kingdom), Reinoud Gosens (Groningen, Netherlands), Lena Uller (Lund, Sweden), Chair to be confirmed

Antigen challenge results in specific activation of pathways for arachidonic acid oxygenation

Jesper S  fholm (Solna, Sweden), David Balgoma, Alexander Fauland, Christina Gomez, Johan Kolmert, Mikael Adner, Craig Wheelock, Sven-Erik Dahl  n

Effect of a small natural dietary compound on lung pathology in airway inflammation

Amlan Chakraborty (Clayton, Australia), Jennifer Boer, Simon Royce, Kirsty Wilson, Cordelia Selomulya, Magdalena Plebanski

Metformin and pioglitazone inhibited vagus nerve mediated airway hyperreactivity in diet-induced obese rats

Zhenying Nie (Portland, United States of America), Becky Proskocil, David Jacoby, Allison Fryer

The Discovery and Development of AZD1402/PRS-060, an Inhaled, Potent and Selective Antagonist of the IL-4 Receptor Alpha

Gabriele Matschiner (M  nchen, Germany), Song Huang, Samuel Constant, Barbara Rattenstetter, Hendrik Gille, Andreas M Hohlbaum, Beverly Koller, David Keeling, Mary Fitzgerald

Steroid-resistant inflammation in a mouse model of severe asthma is not inhibited by the combination of theophylline and budesonide

Vince Russell (Verona (VR), Italy), Mariapia Brana, Daniela Pompilio, Giulia Ambrosi, Filippo Andreetta, Elisa Venturini, Anna Chalidou, M Elena Manni

Effect of inhaled surfactant enriched with phosphatidylethanolamine on matrix deposition in a murine model of airway inflammation and remodeling.

Luis G. V  zquez de Lara (Puebla (Pue.), Mexico), Ismene Garc  a-Alcudia, Itzel Garc  a-Mendoza, Yamilet D  az G  mez, Beatriz Tlatelpa-Romero, Nora Fern  ndez-Tamayo, Mario Garc  a-Carrasco, Fernando Vazquez De Lara

Mucus rheology and ciliary beating coordination

Myriam Jory (Montpellier, France), Christophe Blanc, Aur  lie Fort, Laura Casanellas, Isabelle Vachier, Arnaud Bourdin, Gladys Massiera

Small airway reactivity is not altered in precision-cut lung slices from a bleomycin mouse model of airway fibrosis

Maggie Lam (Melbourne, Australia), Vivian Mao, Chrishan Samuel, Jane Bourke, Simon Royce

Nonclinical safety profiles of DS-1515, a novel oral PI3K  inhibitor.

Masakatsu Suzuki (Tokyo, Japan), Koichi Yabe, Kiyoshi Morimoto, Kazuhiko Mori

ADME properties of a novel PI3K  inhibitor, DS-1515, in preclinical studies

Yumi Nishiya (Tokyo, Japan), Minoru Uchiyama, Tomoyo Honda, Kenichi Itokawa, Osamu Ando, Masakatsu Suzuki, Kiyoshi Morimoto

Pharmacological properties of a novel PI3K  inhibitor, DS-1515

Kenichi Wakita (Tokyo, Japan), Kumiko Koyama, Shintaro Nakayama, Yumi Nishiya, Puneet Chopra, Mahesha Seth, Pooja Chhabra, Punit Srivastava, Ankur Kumar, Manish Diwan, Masakatsu Suzuki, Kiyoshi Morimoto

Cytotoxicity of liposome-encapsulated polyinosinic-polycytidylic acid in primary human macrophages is only partially related to interferon- 

Nurlan Dauletbaev (Montr  al (QC), Canada), Aparna Dintakurti, Yoojin Choi, Maria Cammisano, Warren Viricel, Jeanne Leblond, Larry Lands

Cyclic AMP compartments drive airway epithelial-to-mesenchymal transition (EMT)

Martina Schmidt (Groningen, Netherlands), Haoxiao Zuo, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Lisa G. Gregory (l.gregory@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Juho Vuononvirta (j.vuononvirta@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Robert Oliver (r.oliver@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , James E. Pease (j.pease@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London) , Matthew F. Krummel (matthew.krummel@ucsf.edu / Department of Pathology, University of California, San Francisco, Parnassus Ave, San Francisco, California , USA,San Francisco) , Leo M. Carlin (l.carlin@imperial.ac.uk / Cancer Research UK Beatson Institute, Gartcube Estate, Bearsden , Glasgow , UK,Glasgow) , Clare M. Lloyd (c.lloyd@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London , UK,London)

Photobiomodulation and corticosteroid modulate pulmonary inflammation and airway reactivity in an experimental model of chronic asthma

Auriléia Aparecida De Brito Léia (Vargem Grande Paulista, Brazil), Tawany Gonçalves Santos, Karine Zanella Herculanio, Cintia Estefano Alves, Nicole Cristine Rigonato Oliveira, Stephanie Souza Soares, Maysa Alves Rodrigues, Flávio Aimbire, Rodolfo De Paula Vieira, Adriana Lino-Dos-Santos- Franco, Ana Paula Ligeiro Oliveira

A fluid secretion assay using nasal organoids

Gimano Amatngalim (Utrecht, Netherlands), Lisa Rodenburg, Jesse Brunsveld, Evelien Kruisselbrink, Kors Van Der Ent, Jeffrey Beekman

Low concentration of phenol in medical solutions can induce bronchoconstriction and toxicity in murine, rat and human lungs.

Christian Martin (Aachen, Germany), Galina Balakirski, Julia Krabbe, Thomas Schettgen, Annette Rieg, Thomas Schröder, Jan Spillner, Sebastian Kalverkamp, Till Braunschweig, Svetlana Kintsler, Ingo Krüger, Elisabeth Breuer

Development of a new calcilytic for the treatment of inflammatory lung disease

Polina Yarova (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Martin Schepelmann, Salvatore Ferla, Ping Huang, Vsevolod Telezhkin, Emma Kidd, William Ford, Kenneth Broadley, Jeremy Ward, Christopher Corrigan, Paul Kemp, Andrea Brancale, Daniela Riccardi

Aminoguanidine diminished systemic and lung inflammation induced by lipopolysaccharide in rats.

Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Saeideh Saadat, Farimah Beheshti, Vahid Reza Askari, Mahmoud Mahmoud Hosseini

The acute effect of inhaled salbutamol and ipratropium on microvascular function

Kashyap Chauhan (London, United Kingdom), Hussein Al-Rubaye, Monia Yasmine Arzim, Valentina Abi Osman, Emma H Baker, Henry Fok, Sachelle Ruickbie, Daniel Burrage

Synergistic interaction between beclomethasone dipropionate and formoterol fumarate in an ex vivo model of bronchial asthma

Luigino Calzetta (Roma (RM), Italy), Maria Gabriella Matera, Josuel Ora, Francesco Facciolo, Mario Cazzola, Paola Rogliani

12:50 - 14:40

Thematic poster: Biomarkers for evaluating asthma

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Epidemiology

Chairs : Florence Schleich (Liège, Belgium), Marco Idzko (Vienna, Austria), Chair to be confirmed

Blood eosinophils fluctuation in asthmatics on Omalizumab-a mirror of disease outcomes improvement?

Lília Maia Santos (Coimbra, Portugal), Bárbara Ramos, Cláudia Chaves Loureiro

Comorbidities and uncontrolled asthma in a 'real life' population study

Miguel Santibanez (Santander (Cantabria), Spain), José Ramón Fernández-Fonfría, Juan Carlos López-Caro, Francisca Gómez-Molleda, Borja Del Rivero Sierra, Ana Viejo, Jaime Ruiz-Pérez, Esperanza Rueda, Mariano Rodríguez, Cruz Martínez-Pérez, Roberto Garrastazu, Sandra Ortiz, Jose Hernandez-Urculo, Margarita Hierro, Juan Luis García-Rivero

Clinical characteristics of the Wessex AsThma CoHort of difficult asthma (WATCH)

Heena Mistry (Southampton (Hampshire), United Kingdom), Adnan Azim, Matt A E Harvey, Yvette Thirlwall, Clair Barber, Hans Michael Haitchi, Colin Newell, Ratko Djukanovic, Peter H Howarth, Ramesh J Kurukulaaratchy

Does the nature of adult difficult asthma differ by age of onset? Findings from WATCH.

Heena Mistry (Southampton (Hampshire), United Kingdom), Anna Freeman, Yvette Thirlwall, Matt A E Harvey, Clair Barber, Hans Michael Haitchi, Colin Newell, Yueqing Cheng, Judit Varkonyi-Sepp, Ramesh J Kurukulaaratchy

Comorbidities in the difficult asthma clinic: results from WATCH

Adnan Azim (Bournemouth (Dorset), United Kingdom), Heena Mistry, Matt Ae Harvey, Yvette Thirlwall, Paddy Dennison, Anna Freeman, Colin Newell, Hans Michael Haitchi, Peter H Howarth, Ramesh J Kurukulaaratchy

Does early-onset difficult asthma in adulthood differ by sex? Findings from WATCH.

Heena Mistry (Southampton (Hampshire), United Kingdom), Adnan Azim, Yvette Thirlwall, Frances Mitchell, Clair Barber, Hans Michael Haitchi, Colin Newell, Paddy Dennison, Yueqing Cheng, Ramesh J Kurukulaaratchy

Does atopy matter in difficult asthma? Results from WATCH

Adnan Azim (Bournemouth (Dorset), United Kingdom), Heena Mistry, Matt Ae Harvey, Yvette Thirlwall, Judit Varkonyi-Sepp, Hans Michael Haitchi, Colin Newell, Peter H Howarth, Ramesh J Kurukulaarachy

Inflammatory biomarkers in the evaluation of two-year outcomes of omalizumab treatment in severe allergic asthma.

Joanna Hermanowicz-Salamon (Warszawa, Poland), Patrycja Nejman-Gryz, Renata Rubinsztajn

Does Exhaled Nitric Oxide Correlate with Established Measures of Asthma Severity?

Nemr Eid (Louisville, United States of America), Michael Bricken, Scott Bickel

Real life study showing the epidemiological profile and adherence to treatment of patients with severe allergic asthma in use of omalizumab in the past year.

Alcindo Cerci Neto (Londrina (PR), Brazil), Olavo Franco Ferreira Filho, Fatima Mitsie Chibana, Marcos Ribeiro, Renato Kauffmann, Lissa Sugehara, Pamela Passarelli, Fabiane Bijetti

Effectiveness of pulmonary rehabilitation programs on persistent asthma.

Dina Visca (Mantova (MN), Italy), Elisabetta Zampogna, Enrico Heffler, Francesca Puggioni, Patrizia Pignatti, Francesca Racca, Giovanni Sotgiu, Stefano Negri, Giorgio Walter Canonica, Antonio Spanevello

Role of blood neutrophilia as a biomarker in asthma

Fabio L. M. Ricciardolo (Orbassano (TO), Italy), Anna Folino, Vitina Carriero, Michela Bullone

Total IgE and Der p 1 (D1) specific IgE in induced sputum (IS) in patients with allergic and non-allergic asthma

Elena Curto Sánchez (Barcelona, Spain), Astrid Crespo Lessmann, Eder Mateus Medina, Lorena Soto Retes, Alba García Moral, Montserrat Torrejón Lázaro, Alicia Belda Soler, Jordi Giner Donaire, David Ramos Barbón, Vicente Plaza Moral

Serum eosinophil cationic protein as a potential biomarker for interleukin-5 antibody treatment in patients with severe uncontrolled eosinophilic asthma

Maike Wilk (Mainz, Germany), Buhl Roland, Korn Stephanie

Prognostic value of using FeNO to guide step-down treatment decisions in asthma

Josh Brewin (Milton Keynes, United Kingdom), Kay Wang, Jan Verbakel, Alex Fleming-Nouri, Jason Oke, Ian Pavord, Mike Thomas

The Relationship between Fractional exhaled nitric oxide (FeNO) and Asthma Control and Asthma Severity in Asthmatic Adults in Vietnam

Vinh Nguyen Nhu (Ho Chi Minh City, Vietnam), Ngoc Tran Van, Ba Nguyen Thi Thu, Mike Thomas, Christos Lionis, Niels Chavannes

Fractional exhaled nitric oxide is associated with more severe asthma

Stephanie Korn (Mainz, Germany), Lucia Lanz, Stefanie Voigt, Maike Wilk, Roland Buhl

Measurement of exhaled nitric oxide: comparison of 3 different analyzers

Stephanie Korn (Mainz, Germany), Maike Wilk, Stefanie Voigt, Thomas Keller, Roland Buhl

Comparison of fractional exhaled nitric oxide (FeNO) levels measured by different analysers

Junpei Saito (Fukushima, Japan), Masami Kikuchi, Atsuro Fukuhara, Suguru Sato, Mami Rikimaru, Yasuhito Suzuki, Manabu Uematsu, Ryuichi Togawa, Yuki Sato, Takefumi Nikaido, Yoshinori Tanino, Mitsuru Munakata, Yoko Shibata

Effect of obesity and overweight on the intestine microbiota in patients with asthma.

Svetlana Marova (St. Petersburg, Russian Federation), Natalia Shaporova, Olga Dudina

12:50 - 14:40

Thematic poster: Epidemiology of COPD : from exacerbations and comorbidities to asthma-COPD overlap syndrome (ACOS)**Disease(s) :** Airway diseases**Method(s) :** Epidemiology Physiology Public health**Chairs :** David Mannino (Lexington, United States of America), Ane Johannessen (Bergen, Norway), Elizabeth Oelsner (New York, United States of America)**The same COPD patients, different GOLD criteria – what are the consequences of changing GOLD 2007-2011-2017 recommendations?**

Grzegorz Brozek (Katowice, Poland), Narcin Nowak, Jankowski Mateusz, Jan Zejda

Underweight and weight loss are associated with greater mortality from chronic obstructive pulmonary disease (COPD) in middle-aged Japanese: The JACC study

Hiroo Wada (Tokyo, Japan), Ai Ikeda, Koutatu Maruyama, Kazumasa Yamagishi, Takeshi Tanigawa, Akiko Tamakoshi, Hiroyasu Iso

Eligibility for lung volume reduction surgery in COPD patients identified in a UK primary care setting

Olivia Connell (London, United Kingdom), Hannah Whittaker, Amany Elbehairy, Jennifer Campbell, Nick Hopkinson, Jennifer Quint

How are recovery and recurrence of COPD exacerbations defined in observational studies? A systematic review

Wilhelmine Meeraus (Uxbridge (Middlesex), United Kingdom), Victoria S Benson, Maggie Tabberer, William A Fahy, Hana Mullerova

Clinically relevant differences in COPD health status: systematic review and triangulation

Harma Alma (Groningen, Netherlands), Corina De Jong, Ioanna Tsiligianni, Robbert Sanderma, Janwillem Kocks, Thys Van Der Molen

Lower airway bacterial colonization patterns and species-specific interactions in COPD

Sanjay Sethi (Buffalo, United States of America), David Jacobs, Heather Ochs-Balcom, Jiwei Zhao, Timothy Murphy

Elevated serum high-sensitivity cardiac troponin I is related to mortality in COPD

Ulf Nilsson (Umeå, Sweden), Anders Blomberg, Nicholas Mills, Eva Rönmark, Anne Lindberg

Systematic review of COPD re-exacerbation and exacerbation treatment failure definitions used in randomised controlled trials (RCTs)

Wilhelmine Meeraus (Uxbridge (Middlesex), United Kingdom), Hana Mullerova, Maggie Tabberer, William A Fahy, Victoria S Benson

Blood eosinophils and obstructive lung disease in the general population

Sara Wijnant (Gent, Belgium), Lies Lahousse, Marc De Buyzere, Guy Brusselle, Ernst Rietzschel

Factors associated with airflow limitation in a population-based cohort of adults from the greater Copenhagen area

Camilla Bärnes (Holbæk, Denmark), Betina Thuesen, Allan Linneberg, Charlotte Suppli Ulrik

Sarcopenia in elderly population with chronic respiratory diseases: A population-based study

G. Elizabeth Benz I (Rotterdam, Netherlands), Katerina Trajanoska, Josje Schoufour, Lies Lahousse, Emmely De Roos, Natalie Terzikhan, Bruno Striker, Oscar Franco, Fernando Rivadeneira, Guy Brusselle

Incidence of asthma progression towards asthma-COPD overlap in old women

Sebastien Chanoine (La Tronche, France), Clarisse Marchal, Sofia Temam, Orianne Dumas, Nicole Le Moual, Christophe Pison, Agnès Fournier, Gianluca Severi, Marie-Christine Boutron-Ruault, Raphaëlle Varraso, Valérie Siroux

Description of the UK's asthma and COPD inhaler use

Chloe Bloom (London, United Kingdom), Ian Douglas, Liam Smeeth, Jenni Quint

Asthma-COPD overlap syndrome (ACOS) among subjects with newly diagnosed adult-onset asthma

Maritta S Jaakkola (Oulu, Finland), Ying-Chuan Wang, Taina K Lajunen, Ching-Huang Lai, Jouni J K Jaakkola

Uric acid, lung function, physical capacity and exacerbation frequency in patients with COPD: a multi-dimensional approach

Kathrin Kahnert (München, Germany), Peter Alter, Tobias Welte, Rudolf M. Huber, Jürgen Behr, Frank Biertz, Henrik Watz, Robert Bals, Claus F. Vogelmeier, Rudolf A. Jörres

Association between interpersonal and environmental factors and health-related quality of life in patients with chronic obstructive pulmonary disease (COPD)

Subhabrata Moitra (Barcelona, Spain), Marta Benet, Ane Arbillaga-Etxarri, Alicia Marín, Anael Barberan-Garcia, Eulàlia Borrell, Diego Rodríguez, Elena Gimeno-Santos, Eva Balcells, Maria Koreny, Mónica Monteagudo, Pere Torán-Montserrat, Pere Vall-Casas, Robert Rodríguez-Roisin, Judith Garcia-Aymerich

C-reactive protein level and risk of developing COPD: The Kangbuk Samsung Cohort Study

Seong Yong Lim (Seoul, Republic of Korea), Di Zhao, Eliseo Guallar, Yoosoo Chang, Seungho Ryu, Jung Yeon Shim

Magnitude and characteristics of COPD mortality in Kenya, 2012-2016

Grace Kariuki (Nairobi, Kenya), Gladwell Gathecha

12:50 - 14:40

Thematic poster: Chronic respiratory disease: effects of rehabilitation interventions in patients**Disease(s) :** Sleep and breathing disorders Airway diseases Respiratory infections Interstitial lung diseases Respiratory critical care**Method(s) :** General respiratory patient care Transplantation Public health Imaging Respiratory intensive care Surgery**Chairs :** Melda Saglam (Ankara, Turkey), Shakila Devi Perumal (Dunlaoghaire (Co Dublin), United Kingdom), Deniz Inal-Ince (Ankara, Turkey), Cristina Isabel Oliveira Jácome (Viatodos, Portugal)**Stem cell recipients versus healthy subjects regarding exercise tolerance and muscle strength**

Gül ah Bar (Ankara, Turkey), Meral Bo Nak GüçLü, GüLsan TüRkÖZ Sucak

A network analysis of clinical characteristics of patients with COPD: partial results.Antenor Rodrigues (Londrina (PR), Brazil), Carlos Augusto Camillo, Pedro Cerqueira, Felipe Vilaça
Cavalari Machado, Leticia Belo, Lorena Paltain Schneider, Jessica Fonseca, Thais Paes, Nidia Aparecida
Hernandes, Fabio Pitta**The reaction time and exercise tolerance in patients with cystic fibrosis and healthy controls**Jan Dik (Ankara, Turkey), Melda Sa lam, Naciye Vardar Yagli, Cemile Bozdemir Ozel, Ebru Calik Kutukcu,
Deniz Inal Ince, Haluk Tekerlek, Hulya Arikan, Sanem Esref, Deniz Dogru Ersoz**Predictors of exercise-induced oxygen desaturation in subjects with chronic obstructive pulmonary disease**Andrea Morita (Londrina (PR), Brazil), Felipe Machado, Antenor Rodrigues, Lorena Schneider, Nidia
Hernandes, Fabio Pitta, Vanessa Probst**Relationship between family function and exercise capacity and inspiratory muscle strength in COPD**Cátia Filipa Pinto da Paixão (Guarda, Portugal), Patricia Rebelo, Ana Oliveira, Cristina Jácome, Joana Cruz,
Célia Freitas, Helena Loureiro, Marília Rua, Pedro Ferreira, Alda Marques**Sex differences in COPD patients users of long-term oxygen therapy**

Silvia Regina Valderramas (Curitiba (PR), Brazil), Camila Mazzarin, Demetria Kovelis, Samia Kalil Biazim

Quality of life and exercise capacity in patients with primary ciliary dyskinesia

Merve F rat (Ankara, Turkey), Meral Bo nak Güçlü, Tu ba i manlar Eyübo lu, Ay e Tana Aslan

Arterial stiffness, hemodynamic and functional profile at exacerbation and recovery in COPDRenata Mendes (Sao Carlos (SP), Brazil), Aline Agnoletto, Alessandro Heubel, Erika Kabbach, Audrey
Borghi-Silva, Shane Phillips, Valéria Pires Di Lorenzo, Meliza Roscani, Rodrigo Jaenisch**Triangulated perspectives on outcomes used in pulmonary rehabilitation of patients with COPD**

Sara Souto de Miranda (Aveiro, Portugal), Alda Marques

Why are COPD patients unable to complete the outpatient pulmonary rehabilitation program?

Ilknur Naz (Izmir, Turkey), Hulya Sahin

Assessing caregiving experience in COPD: content validity of the Zarit Burden InterviewJoana Patricia Santos Cruz (Albergaria-a-Velha, Portugal), Alda Marques, Sara Miranda, Roger Goldstein,
Dina Brooks**Interacting with primary care – experiences of patients with COPD. A qualitative study**

Sara Lundell (Umeå, Sweden), Karin Wadell, Maria Wiklund, Malin Tistad

The effect of nutritional support on pulmonary rehabilitation outcomes in COPD patients with low body mass index

Ilknur Naz (Izmir, Turkey), Hulya Sahin

Physical function performance and recovery of patients undergoing abdominal surgery in relation to post-operative complications—A prospective real world study.

Mary Flahive (Limerick, Ireland), James O Driscoll, Julie Broderick

Are paper-based forms and telephone interview equivalent modes of administration for the Control of Allergic Rhinitis and Asthma Test (CARAT)?Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Rui Guedes, Rute Almeida, Filipa Lopes, Ana Margarida
Pereira, Luis Araújo, Mariana Couto, Mariana Pereira, Cristina Lopes, José Carlos Cidrais Rodrigues,
Georgeta Oliveira, Ana Paula Aguiar, Ivete Afonso, Alberto Costa, Armandina Silva Neto, Marta Santalha,
João Almeida Fonseca**Presence of adventitious lung sounds (LS) differ between spontaneous and standardized breathing**Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Juan Carlos Aviles-Solis, Åshild Mynes Uhre, Hans
Pasterkamp, Hasse Melbye

Regional lung ventilation and its distribution in patients with stroke-induced hemiparesis in sitting position

Shirley Campos (Recife (PE), Brazil), Catarina Rattes, Wagner Leite, Thiago Gonçalves, Caio Moraes, Daniella Brandão, Armele Dornelas De Andrade

12:50 - 14:40

Thematic poster: Studying novel biomarkers in asthma and COPD

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Cell and molecular biology General respiratory patient care Imaging Epidemiology Physiology

Chairs : Ian M. Adcock (London, United Kingdom), Gareth Hynes (Oxford (Oxfordshire), United Kingdom), Sophie Hardy (Gembloux, Belgium), Chair to be confirmed

Lymphocyte senescence in COPD is associated with decreased sirtuin 1 expression in steroid resistant pro-inflammatory lymphocytes

Greg Hodge (Adelaide (SA), Australia), Hubertus Jersmann, Hai Tran, Rhys Hamon, Eugene Roscioli, Mark Holmes, Paul Reynolds, Sandra Hodge

Cytogenetic analysis in peripheral blood lymphocytes from allergic and non-allergic asthmatic patients

Andrey Lintsov (st.Petersburg, Russian Federation), Boris Uslontsev, Nadezhda Pleskach, Viktor Mikhelson

Consistently low blood lymphocytes in smokers are associated with worse clinical outcomes.

Umberto Semenzato (Padova (PD), Italy), Graziella Turato, Matteo Bonato, Mariaenrica Tinè, Davide Biondini, Erica Bazzan, Jose Maria Marin, Marina Saetta, Manuel Cosio

Airway eosinophilia in severe asthma is associated with smoking history

Alexander Silberbrandt (Hellerup, Denmark), Anna Von Bülow, Vibeke Backer, Celeste Porsbjerg

Blood eosinophils do not reliably reflect airway eosinophils in asthmatic children

Matteo Bonato (Piombino Dese (PD), Italy), Erica Bazzan, Deborah Snijders, Graziella Turato, Chiara Rigobello, Davide Biondini, Mariaenrica Tinè, Manuel G. Cosio, Angelo Barbato, Marina Saetta, Simonetta Baraldo

Blood vs sputum eosinophils as predictors of exacerbations in a cohort of severe asthmatics

Bruno Sposato (Grosseto (GR), Italy), Manuela Latorre, Marco Scalese, Matteo Bradicich, Sara Brighindi, M Daniele, R Del Cesta, Federico Dente, Antonella Di Franco, Elena Bacci, Pierluigi Paggiaro

Periostin expression in the U-BIOPRED severe asthma bronchoscopy cohort

Susan Jane Wilson (Southampton (Hampshire), United Kingdom), Ali Faruqi, Jonathan Ward, Jenny Norman, Ana Sousa, Julie Corfield, Peter Sterk, Fan Chung, Ratko Djukanovic, Barbro Dahlen, Pascal Chanez, Dominick Shaw, Norbert Krug, Thomas Sandstrom, Peter Howarth, Cecile Holweg

Cellular pattern of bronchial inflammation in asthma patients with functional signs of irreversible obstruction

Ekaterina Y. Kochegarova (Blagoveshchensk (Amur Oblast), Russian Federation), Juliy M. Perelman, Victor P. Kolosov, Aleksey B. Pirogov, Natalia L. Perelman, Svetlana V. Naryshkina

The influence of smoking on the formation of cold airway hyperresponsiveness and destructive-cytolytic profile of goblet cells in asthma patients

Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prikhodko, Victor P. Kolosov, Sergey V. Zinovyev, Artem V. Kolosov, Elena Karapetyan, Xiangdong Zhou, Qi Li

Galectin-3 : marker of airway inflammation in bronchial asthma

Reham Elkolaly (Tanta, Egypt), Dareen Ali

PECULIARITIES OF CYTOKINE DYNAMICS IN PATIENTS WITH BRONCHIAL ASTHMA

Sayyora Bazarova (Tashkent, Uzbekistan), Gulnara Dzhambekova, Elnara Ismailova

Bacterial load and contamination in lung microbiota studies

Christine Drengenes (Bergen, Norway), Harald Wiker, Tharmini Kalanathan, Tomas Eagan, Rune Grønseth

Endotypes of severe allergic asthma patients who clinically benefit from Anti-IgE therapy

Chi-Hsien Huang (Taipei, Taiwan), Yu-Chen Huang, Chih-Ming Weng, Meng-Jung Lee, Chun-Hua Wang, Han-Pin Kuo

Evaluation of CTLA4 and FCER1a Polymorphisms in Asthmatic Patients in South West of Iran

Pegah Ghandil (Ahwaz, Islamic Republic of Iran), Zahra Roshanizadeh, Heshmat Tavakol, Ali Khodadadi, Ata Ghadiri

Cytokine profiles in the lungs of patients with interstitial and obstructive lung diseases

Peter Korosec (Golnik, Slovenia), Katarina Osolnik, Darja Polak, Mateja Marc Malovrh, Sabina Skrgat

T-cell subsets in bronchoalveolar lavage fluid from adults with a history of Bronchopulmonary Dysplasia (BPD)

Petra Um-Bergström (Sollentuna, Sweden), Melvin Pourbazargan, Bettina Levänen, Marika Ström, Eva Berggren-Broström, Erik Melén, Åsa Wheelock, Anders Lindén, Magnus Sköld

Relationship between circulating serpin 3g, activity of matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1, 2 with chronic obstructive pulmonary disease severity

Pelin Uysal (Istanbul, Turkey), Hafize Uzun

Serum periostin is not a good biomarker to identify Th2-driven inflammation in COPD

Orestes Carpaiz (Groningen, Netherlands), F.O.W. Muntinghe, M.B. Wagenaar, J.W. Habing, W. Timens, H.A.M. Kerstjens, M.C. Nawijn, L.I.Z. Kunz, P.S. Hiemstra, C.T.J. Holweg, W. Tew, M. Van Den Berge

Sputum cytokine profiling according to the type of airway inflammation in obstructive pulmonary diseases

Ma gorzata Proboszcz (Warszawa, Poland), Patrycja Nejman-Gryz, Magdalena Papli ska-Goryca, Katarzyna Górka, Rafa Krenke, Tadeusz Przybyowski

Peroxide tone in nasal exhaled breath condensate after nasal provocation

MASATO MIWA (Tokyo, Japan), Yufu Ohkubo, Aysuko Sakanushi, Kazuki Sato, Ryosuke Murakami, Kimihiro Okubo, Shiro Iijima, Ko Okumura

12:50 - 14:40

Thematic poster: Integrated care and non-pharmacological management of COPD**Disease(s) :** Airway diseases Respiratory critical care Respiratory infections Thoracic oncology Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Endoscopy and interventional pulmonology**Chairs :** Ahmed Ben Saad (Monastir, Tunisia), Carmen Hernandez Carcereny (Barcelona, Spain), Wassim Labaki (Ann Arbor, United States of America)**Pre-discharge assessment and outcomes of patients commenced on short-term oxygen therapy**

George Antunes (Saltburn by the sea, United Kingdom), Dalia Mudawi, Naomi Miller-Biot

Advance Care Planning in Patients with Chronic Obstructive Pulmonary Disease assessed for Long Term Oxygen Therapy

Freya Hildebrand (Coburg (VIC), Australia), Caroline Kein, Eve Denton, Souvanny Khov, Belinda Miller

Impact of long-term oxygen therapy on systemic inflammation, morphological changes of red blood cells, pulmonary hemodynamics and diaphragm function in patients with chronic obstructive pulmonary disease.

Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Daria Sklyarova, Vladimir Volchikov

Oxygen alert cards versus Oxygen Alert Wrist Bands (OxyBand) in COPD

Sarah Haines (Altrincham (Cheshire), United Kingdom), Emma Rickards, Dennis Wat, Adrian McGonigle, Diane Green, Onnor Hampson, Paul Stockton

Follow up after end of trial: Evaluation of usage of oxygen-enriched nasal high flow treatment in COPD with chronic hypoxemic respiratory failure

Line Storgaard (Aabybro, Denmark), Ulla Møller Weinreich

COPD Management needs Hospital and Community multi-disciplinary teams to work together to optimise patient care.

Michael Apps (Brentwood, United Kingdom), Dipak Mukherjee, Syed Abbas, Jan Minter, Kiran Sanger, James Whitfield, Sue Field, Sharon Pearce, Petra Rosier, Lauren Ateli, Honoria Olympio-Anang, Carole Goodrich, Kelly-Ann Keeling, Helen Hill, Donna Carter, Tracy Gisby, Bernadette Hawkes, Sue Webb, Sue Barfield, Charlotte Wigmore, Jo Downham, Mark Haigh, Paul Bannister, Irene Young, Anna Kopacz, Jo Peacock

Mortality causes in patients with advanced lung disease in long term oxygen therapy

Vinicius Oliveira (Tres Rios (RJ), Brazil), Tatiane Martins Lima Crosara Bastos, Isabela Bodaczny Taliberti, Thales Souza Campos Rodrigues, Robison Sabino Silva, Luiz Ricardo Goulart Filho, Thulio Marquez Cunha, Michelle Godoy Canazza Damian, Maria Aparecida Gonçalves Gomes

Improvements in activation for self-management in patients with chronic airway disease via the COPDnet diagnostic trajectory in secondary care; a pilot study.

Jeanine C. Antons (Molenhoek, Netherlands), Noortje Koolen, Heleen Niet Van Der, Bas Robberts, Netty Plat, Bram Borst Van Den, Hanneke Helvoort Van, Jeroen Hees Van, Alex Hul Van 'T

Non-invasive ventilation with add-on fiberoptic bronchoscopy in COPD patients

Dalia Ezat Elsharawy (Elgharbya, Egypt), Ahmed Shawky Mohamed

Effect of endoscopic lung volume reductions in patients with emphysema – a single center experience

Florent Baty (St. Gallen, Switzerland), Tino Schneider, Kei Kozu, Lukas Kern, Martin Brutsche

Telehealth care vs. standard care in COPD – an international randomised controlled trial (interim analysis)

Frank Rassouli (St. Gallen, Switzerland), Florent Baty, Daiana Stolz, Malcolm Kohler, Robert Thurnheer, Thomas Brack, Christian Kähler, Michael Tamm, Sandra Widmer, Ursina Tschirren, Martin H Brutsche

Effects of an early rehabilitation program in COPD exacerbation, after an hospital discharge, one-year follow-up

Filipe Gonçalves Dos Santos Carvalho (, Spain), Carlos Martínez Rivera, María Boldó, Ignasi García Olivé, Alicia Marín Tapia, Aida Muñoz Ferrer, Zoran Stojanovic, Alicia Francoso Vicente, Sonia Baeza Mena, Ana Belén Moreno García, Leire Mendiluce Ochandorena, María Jose Dura Mata, Juan Ruiz Manzano

The cost-effectiveness of physical activity in the management of COPD patients in the UK

Mafalda Ramos, Mark Lamotte, Laetitia Gerlier, Per Svangren, Anna Miquel Cases, John Haughney

A retrospective review of MDT mortality prediction for patients with COPD using The Gold Standard Framework.

Paul Marsden (Manchester (Greater Manchester), United Kingdom), Nazra Hussain, Anne Boardman, Sharada Gudur, Zoe Walker Frost

BACTERIAL IMMUNOTHERAPY IN COPD AND/OR BRONCHIECTASIS FREQUENT EXACERBATOR PATIENTS. A RETROSPECTIVE STUDY.

Jose Belda (valencia, Spain), Ivan Arroyo-Fernandez, Ruben Lera-Alvarez, Frederic Tatay-Soler

A simple multifunctional tool for integrated care of COPD

Kay Roy (St Albans (Hertfordshire), United Kingdom), Audrey Marau, Lawrence Gora, Jenny Shrestha, Glenda Esmond

Evaluation of ‘care bundles’ as a means of improving hospital care for patients with acute COPD: a case-study approach

Katherine Morton (Oxford (Oxfordshire), United Kingdom), Alison Shaw, James Calvert, Melanie Chalder, Emily Sanderson, Padraig Dixon, Stephanie Macneill, Will Hollingworth, Sue Jenkins, Chris Metcalfe, Anna King, Sarah Purdy

Innovating the treatment of COPD exacerbations: a phone tele-system to increase Action Plan adherence

Raquel Farias (Montreal, Canada), Maria Fernanda Sedeno, Pei Zhi Li, Alexandre Joubert, Isabelle Drouin, Rita Abimaroun, Isabelle Ouellet, Danielle Beaucage, Mira Abou Rjeili, Meena Patel, Jean Bourbeau

12:50 - 14:40

Thematic poster: Paediatric asthma: new mechanisms and tools**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** General respiratory patient care Epidemiology Cell and molecular biology**Chairs :** Annelies M. Zwitserloot (Groningen, Netherlands), Carmelo Gabriele (Ancona (AN), Italy), Astghik Baghdasaryan (Yerevan, Armenia), Chair to be confirmed**E-CADHERIN GENE PROMOTER METHYLATION IN PEDIATRIC ASTHMA PATHOGENESIS AND CLINICS**

Hasan Yuksel (Manisa, Turkey), Kazim Zaraci, Ferda Ozkinay, Ozge Yilmaz, Tahir Atik, Yurda Basbay, Esra Isik

Unsupervised and externally validated clinical cluster analysis from the U-BIOPRED paediatric cohorts

Simone Hashimoto (Amsterdam, Netherlands), Paul Brinkman, Diane Lefaudeux, Aruna T. Bansal, Bertrand De Meulder, Clare Murray, Andrew Bush, Urs Frey, Florian Singer, Gunilla Hedlin, Björn Nordlund, Hans Bisgaard, Wim Van Aalderen, Susanne J.H. Vijverberg, Nadja H. Vissing, Zaraqiza Zolkipli, Anna Selby, Stephen J. Fowler, Dominic Shaw, Ana R. Sousa, Scott Wagers, Julie Corfield, Ioannis Pandis, Anthony Rowe, Marta Puig Valls, Gianluca Praticò, Charles Auffray, Kian Fan Chung, Elisabeth H. Bel, Ratko Djukanovic, Anke-Hilse Maitland Van Der Zee, Peter J. Sterk, Louise Fleming, Graham Roberts

Potential causes of variability in latent phenotypes of childhood wheeze

Ceyda Oksel (London, United Kingdom), Raquel Granell, John Henderson, Adnan Custovic

Cytokines in asthma and obesity in children

Niya Krasteva (Pleven, Bulgaria), Boiko Shentov, Stanimira Elkina

Farming exposure of mothers protects offspring from allergic diseases by modulating TLR-Tregs-Th axis of newborn

Jing Liu (München, Germany), Jinyan Yu, Xiaoqiu Liu, Yanlei Li, Junling Yang

FENO is not a substitute for the methacholine challenge test in children

Anja Keßler (Pölchow, Germany), Simon Paur, Äenne Glass, Dagmar-Christiane Fischer, Manfred Ballmann

Exhaled nitric oxide fraction in asthmatic children: relationship with spirometric patterns and spirometric response to exercise

Juan Manuel Figueroa (Ciudad Autónoma Buenos Aires, Argentina), Carlos Tomas Velasco Suarez, Magdalena Vocos, Gimena Donth Leger, Doris Primrose, Andrea Dugour

Exercise-induced symptoms predict persistence of wheeze into adolescence in a clinical population

Carmen de Jong (Bern, Switzerland), Eva Pedersen, Myrofora Goutaki, Daniel Trachsel, Juerg Barben, Claudia Kuehni

ADAM33 is involved in post-natal airway hyperresponsiveness caused by maternal allergic airway inflammation

Marieke Wandel (Southampton (Hampshire), United Kingdom), Elizabeth R. Davies, Joanne F. C. Kelly, Stephen T. Holgate, Jeffrey A. Whitsett, Donna E. Davies, Hans Michael Haitchi

Airway responsiveness and inflammatory markers in non-asthmatic adolescents with elevated FeNO

Pia Kalm-Stephens (Uppsala, Sweden), Lennart Nordvall, Janson Christer, Malinovsky Andrei, Alving Kjell

The perception of dyspnea during exercise-induced bronchoconstriction in asthmatic children

Chikako Motomura (Fukuoka, Japan), Takahito Ninomiya, Masatoshi Wakatsuki, Yuki Okamoto, Yuko Akamine, Toshiaki Kawano, Koki Okabe, Mihoko Iwata, Naohiko Taba, Satoshi Honjho, Hiroshi Odajima

Opinions towards the implementation of spirometry and exhaled nitric oxide testing in children under investigation for asthma in primary care

Lesley Danvers (Leicestershire, United Kingdom), David Lo, Nichola Harcombe, Damian Roland, Matthew Richardson, Yaling Yang, Andrew Wilson, Erol Gaillard

Is there any association between spirometry and impulse oscillometry in asthmatic preschool children?

Paula Cristina Carvalho Vidal Reis Leiria Pinto (Lisboa, Portugal), Pedro Martins, Isabel Peralta, Nuno Neuparth

Comparison of the analytical performance of the Euroline®, ImmunoCAP®, and ImmunoCAP ISAC 112® in vitro allergen sIgE diagnostic assays in the pediatric arm of the DZL All Age Asthma Cohort (ALLIANCE)

Chrysanthi Skevaki (Athens, Greece), Anna Maria Dittrich, Markus Weckmann, Kathrin Eiringhaus, Nina Timmesfeld, Pavel Tafo, Matthias Kopp, Erika Von Mutius, Gesine Hansen, Harald Renz

Misdiagnosis of children's asthma is common in UK primary care and can be improved with objective tests

David Lo (Loughborough (Leicestershire), United Kingdom), Lesley Danvers, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard

Nitrogen (N2) multiple breath washout: Assessment of ventilation inhomogeneity in severe paediatric asthma

Patricia de Gouveia Belinelo (Newcastle (NSW), Australia), Aleisha Nielsen, Bernadette Goddard, Adam M. Collison, Paul D. Robinson, Bruce Whitehead, Jodi Hilton, Tanya Gulliver, Laurence Roddick, Lauren Platt, Kasey Pearce, Joerg Mattes

The use of exhaled nitric oxide (NO) to categorize asthma phenotype and treatment in children - Results from National Hospital of Pediatrics

Sy Duong-Quy (Da Lat, Vietnam), Hanh Nguyen-Thi-Bich, Huong Le-Thi-Minh, Craig Timothy

12:50 - 14:40

Thematic poster: Asthma: clinical screening tools**Disease(s) :** Respiratory critical care Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Imaging Epidemiology Physiology Endoscopy and interventional pulmonology Cell and molecular biology Respiratory intensive care**Chairs :** Chair to be confirmed**Breathing Pattern Assessment Tool as a new screening tool to identify dysfunctional breathing**

Farnam Barati Sedeh (Birkerød, Denmark), Anna Von Bülow, Vibeke Backer, Uffe Bødtger, Ulrik Søs Petersen, Susanne Vest, James Hull, Celeste Porsbjerg

Which patient reported symptoms on the VCDQ may be predictive of positive diagnosis of Inducible Laryngeal Obstruction?

Claire Slinger (Clitheroe (Lancashire), United Kingdom), Jessica Blakemore, Richard Slinger, Aashish Vyas

Asthma admissions to ICU, what are we really treating?

Sarah Forster (Nottingham (Nottinghamshire), United Kingdom), Mohamed Mansour, James Bonnington, Dominick Shaw

A nurse phone educational program enhances health status of asthmatic patients after an emergency department admission for acute exacerbation

Gilles Mangiapan (Creteil, France), Thibaut Desmettre, Anne Prud'Homme, Jean Charles Dalphin, Bruno Stach, Sergio Salmeron, Patrick Plaisance

The effect of carboxymethyl-glucan as an adjunct on step up treatment in asthma control test (ACT) score and forced expiratory volume 1 (FEV1) in partly controlled or uncontrolled adult asthmatic patients: the EMANUEL study

Ian Lordeo Gutierrez (Dasmariñas City, Philippines)

Detecting the presence of fungal signals in the asthmatic airway

Ashley Sullivan (Cork, Ireland), Eoin B Hunt, Susan Laphorne, Chris Ward, Joseph Eustace, Paul M Byrne, Barry J Plant, John Macsharry, Desmond M Murphy

Automated chart review for assessing adherence to asthma guidelines for asthma triggers

Young J Juhn (Rochester, United States of America), Chung-Il Wi, Sungrim Moon, Julie Porcher, Hee Yun Seol, Bong Seok Choi, Euijung Ryu, Barbara Yawn, Miguel Park, Sunghwan Sohn

Relationship between pollen concentrations and short-acting B2-agonists (SABA) bronchodilator sales in central France: a daily time-series analysis over a 5-year period.

Denis Caillaud (Clermont-Ferrand, France), Sylvie Martin, Claire Segala, Michel Thibaudon

Lower Urinary Tract Symptoms (LUTS) in Male Asthma Patients

Jae Ho Chung (Incheon, Republic of Korea), Chang Hoon Han

MARTE: an observational study on clinical and sociodemographic characteristics of asthmatic patients receiving maintenance and rescue treatment in Spain

Alfons Torrego Fernandez (Barcelona, Spain), Jesús Molina Paris, Juan Antonio Trigueros Carrero, Diego González-Segura Alsina, Javier Dominguez Ortega

Analysis of the findings on paranasal sinuses and chest computed tomography in patients with severe asthma

Ester Zamarron De Lucas (Madrid, Spain), Juan Fernández-Lahera Martínez, David Romero Ribate, Carlos Villasante Fernández-Montes, Pilar Barranco Sanz, Santiago Quirce Gancedo, Rodolfo Álvarez-Sala Walther

Effects of prebiotics and synbiotics on asthma outcomes: a systematic review and meta-analysis

Neil Williams (Nottingham (Nottinghamshire), United Kingdom), Elias Gricius, Paul Lester, Michael Johnson, Graham Sharpe

Modern approaches to assessment of disability in asthma in adults using the DALY indicator

Ana Moscoviciu (Chisinau, Republic of Moldova), Konstantin Yavorsky, Irina Sincarenco, Valentina Bolotnikova, Mikhail Lukyan

Efficient and practical management for checking inhalation technique and discussing medication adherence before treatment step-up in uncontrolled asthma

Masaya Takemura (Nagoya, Japan), Masayuki Nishio, Kensuke Fukumitsu, Norihisa Takeda, Takamitsu Asano, Yoshihiro Kanemitsu, Kosho Yoshikawa, Akio Niimi

Inhalation parameters from an integrated electronic multidose dry powder inhaler (eMDPI)

Henry Chrystyn (Bingley (West Yorkshire), United Kingdom), Dinesh Saralaya, Anil Shenoy, Sophie Toor, Andrew Scally, Enric Calderon, Guilherme Safioti

Histamine challenge test assessed by the ratio of diaphragm EMG recorded from surface electrodes to tidal volume

Yingmei Luo (Guangzhou (Guangdong), China), Bai-Ting He, Ying-Xin Wu, Joerg Steier, Caroline Jolley, John Moxham, Michael I Polkey, Yuanming Luo

Does adding the Generalised Anxiety Disorder (GAD) questionnaire and Patient Health Questionnaire-9 (PHQ-9) to routine outpatient activity provide more information on the presence of anxiety and depression in asthma?

Kimberley Barber (Liverpool (Merseyside), United Kingdom), Ryan Robinson, John Blakey

Cluster analysis identifies distinct clinical phenotypes with poor treatment responsiveness in asthma.

Smriti Bhargava (Mysore (Karnataka), India), Mahesh P.A., Amrutha D Holla, Jayaraj B.S., Praveena A.S., Ravi S, Sandhya Khurana

Video education of inhaler technique for asthma control in patients with well or partly controlled asthma, compared to face-to-face education

Min Kwang Byun (Seoul, Republic of Korea), Hye Jung Park, Jae-Woo Kwon, Woo Kyung Kim, Dong-Ho Nahm, Myung-Goo Lee, Sang-Pyo Lee, Sook Young Lee, Ji-Hyun Lee, Yi Yeong Jeong, You Sook Cho, Jeong-Hee Choi, Byoung Whui Choi

Comparability of Asthma Control Test (ACT) scores between self and physician administered test.

Sabrina Genco (Catania (CT), Italy), Enrico Heffler, Claudia Crimi, Raffaele Campisi, Giovanni Paoletti, Ramona Sorrentino, Simona Strano, Nunzio Crimi

12:50 - 14:40

Thematic poster: What's hot in rehabilitation in COPD and interstitial lung disease (ILD)?

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Physiology General respiratory patient care Public health Transplantation

Chairs : Tanja Effing-Tijdhof (Adelaide (SA), Australia), Sabina Guler (Ried-Brig, Switzerland), Fábio de Oliveira Pitta (Londrina (PR), Brazil), Chair to be confirmed

Creating a prediction formula for resting energy consumption of patients with COPD and ILD

KEISUKE MORIKAWA (MIE Matsusaka, Japan), Yasunori Imaoka, Hiroyuki Takemura, Kana Kitayama, Shunta Shimoda, Shogo Inaba, Haruka Kusuki, Yu Hashitsume, Momoko Hirose, Yuta Suzuki, Makoto Okada, Corina N. D'Alessandro-Gabazza, Esteban Gabazza, Osamu Taguchi, Osamu Hataji

Impact of rehabilitation on the muscle strength and exercise tolerance in patients with interstitial pneumonia under steroid therapy

Norihiko Nakanishi (Matsuyama, Japan), Tomonori Moritaka, Koji Inoue, Tomoya Katsuta, Sayaka Tachibana, Kazuhiko Saeki, Haruka Kondoh, Junya Nakamura

The effectiveness of pulmonary rehabilitation in interstitial lung diseases in terms of functional markers

Mária Kerti (Budapest, Hungary), Zsuzsanna Balogh, Krisztina Kelemen, Janos Varga

Effect of an 8 week pulmonary rehabilitation program in patients with interstitial lung diseases in India.

Nicole Maria Pinto (Mumbai (Maharashtra), India), Poorvi Devani, Priyanka Jain, Abha Pandey, Pralhad Prabhudesai

Benefits of pulmonary rehabilitation (PR) in patients with chronic obstructive pulmonary disease (COPD) and interstitial lung disease (ILD) having the same dyspnoea severity

Paula Ines Pedro (Odivelas, Portugal), Lilia Maia Santos, Cristina Braco Forte, Ana Dias, Clara Cruz, Ana Filipe Santos, Fatima Rodrigues

Associated Factors with the Approval of Pulmonary Rehabilitation for Inpatients with Interstitial Lung Disease: Two-center Retrospective Study

Yuta Takahashi (Tokyo, Japan), Mitsutoshi Akiho, Masahiko Kimura, Ryosuke Tsugitomi, Atsushi Kitamura

The Efficacy Of Outpatient Pulmonary Rehabilitation After Bilateral Lung Transplantation; Case Series

Ipek Çayl Candemir (Ankara, Turkey), P Nar Ergun, Dicle Kaymaz, Erdal Yekeler, Seher Satar, Harun Karamanl, Nese Demir, Nurcan Egesel, Fatma Sengul

Development of a new prognosis index (BODS) in patients with COPD: a prospective cohort study

Sarah Jones (Berkshire, United Kingdom), Claire Nolan, Suhani Patel, Ruth Barker, Samantha Kon, Michael Polkey, Nicholas Hopkinson, Matthew Maddocks, William Man

Randomized study of home pulmonary rehabilitation in COPD: preliminary results

Roberto Benzo (Pittsburgh, United States of America), Kevin Kramer, Johanna Hoult, Paul Novotny, Sara Seifert

COPD patients with ESOD score 3-4 reduce hospitalizations after a Pulmonary Rehabilitation Program

Paulo José Zimmermann Teixeira (Porto Alegre (RS), Brazil), Rafael Machado De Souza, Álvaro Huber Santos, Ivo Bohn Jr, Mateus Schneider, Cassia Cinara Costa

Comparison of yoga with pulmonary rehabilitation on body composition, inflammatory biomarkers and dyspnoea in patients with COPD

Randeep Guleria (New Delhi (Delhi), India), Sneha Arora, Pawan Tiwari, Anant Mohan, M Kalaivani, Karan Madan

Impact of fatigue improvement after pulmonary rehabilitation education on the long-term prognosis of patients with COPD

Yutaro OKI (Kobe, Japan), Akira Tamaki, Yukari Fujimoto, Kanji Yamada, Yuji Mitani, Yusuke Iwata, Takumi Yamaguchi, Akio Yamamoto, Hiromi Kaneko, Mineko Ohira, Akira Ishikawa

Effectiveness of peripheral muscles neuromuscular electrical stimulation (NMES) as the rehabilitation of severe chronic obstructive pulmonary disease (COPD) patients.

Tatyana Kunafina (Korolev, Russian Federation), Aleksander Grigorievich Chuchalin, Andrey Staniislavovich Belevskiy, Natalia Nicolaevna Meshcheriakova

Effect of pulmonary rehabilitation on balance control in patients with COPD

Murat Öztürk (Istanbul, Turkey), Ipek Özmen, Mine Gülden Polat, Elif Yıldırım, Meral Karak

Changes of transdiaphragmatic pressure and breathing pattern during different levels of inspiratory loading

Yo Tamura (Tokyo, Japan), Masahiko Kimura, Yuji Iwanami, Manaka Shibuya, Tsuyoshi Ichikawa, Masanori Yokoba, Atsuhiko Matsunaga

A prospective observational study on long-term non invasive ventilation (L-T NIV) in COPD patients attending an inpatient pulmonary rehabilitation program (PRP)

Claudia Mannini (Empoli (FI), Italy), Biagio Campana, Paolo Innocente Banfi, Eleonora Volpato, Antonella Arcadu, Elisa Chellini, Isabella Romagnoli, Barbara Lanini, Francesco Gigliotti

Relationship between intrathoracic pressure and inspiratory volume during manually breathing assist technique

yuji iwanami (tokyo, Japan), Masahiko Kimura, Yo Tamura, Manaka Shibuya, Tsuyoshi Ichikawa, Masanori Yokoba, Atsuhiko Matsunaga

Knowledge and skills for inhaled drugs before and after a rehabilitation program in COPD: a real life study

Domenico Fiorenza (Gussago (BS), Italy), Alessandra Montini, Giovanna Benedetti, Antonella Pluda, Cristina Zanon, Mara Paneroni, Michele Vitacca

Pulmonary and Exercise Improvement by choir singing in COPD Patients

Katrin Enste (Hürth, Germany), Anette Einzmann, Bernd Gast, Dennis Ladage, Sebastian Schlünz, Konrad Frank

Tai Chi for People with COPD: A comparison of baseline characteristics with standard Pulmonary Rehabilitation attendees

Keir Philip (London, United Kingdom), Claire Davey, Brendan De Luca, Lucy Gardiner, Rishi Gupta, Jane Simpson

12:50 - 14:40

Thematic poster: Functional genomics and COPD: new challenges**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases Respiratory infections Sleep and breathing disorders**Method(s) :** Cell and molecular biology Physiology General respiratory patient care Epidemiology**Chairs :** Sukhwinder Singh Sohal (Launceston (TAS), Australia), Isabelle Vachier (Montpellier, France)**Targeting FOXO and Lung-Cell Senescence to Treat Chronic Obstructive Pulmonary Disease**

Amal Houssaini (Créteil, France), Emanuelle Born, Shariq Abid, Elisabeth Marcos, Marielle Breau, Larissa Lipskaia, Delphine Beaulieu, Dominique Rideau, Aurelien Parpaleix, Nora Vienney, Pierre Validire, Jorge Boczkowski, Serge Adnot

DNA methylation and gene expression changes in human lung fibroblasts occur already in mild COPD and progress with disease development

Renata Jurkowska (Heidelberg, Germany), Maria Llamazares Prada, Uwe Schwartz, Mandy Richter, Raluca Tamas, Thomas Muley, Andre Warth, Dieter Weichenhan, Christoph Plass

SNPs which influence the transcriptional response to acute smoke exposure are associated with long term lung function decline in smokers

Alen Faiz (Groningen, Netherlands), Ehab Billatos, Marc Lenburg, Avrum Spira, Judith Vonk, Marike Boezen, Irene Heijink, Maarten Van Den Berge

The genomic instability in clean-up workers of Chornobyl NPP with COPD

Lyudmila I. Shvayko (Kyiv, Ukraine), Kostiantyn Bazyka, Iryna Iliencko, Natalya Golyarnik

Cigarette smoke extract alters genome-wide profiles of circular RNAs in primary human alveolar epithelial cells

Zeng Ni (Beijing, China), Shen Yongchun, Wen Fuqiang

Dynamics of oxidative and antioxidant parameters of the exhaled air condensate in COPD.

Igor A. Klimanov (Moscow, Russian Federation), E Zaprudnova, P Zhestkov, Sayd Manas, M Smirnov, M Glukhova, O Brodskaya, S Soodaeva

LIPID PEROXIDATION IN PATIENTS WITH COPD AND CHRONIC HEART FAILURE.

Igor A. Klimanov (Moscow, Russian Federation), Anastasia Khaletskaya, Aleksandr Kuznechov, Klavdia Kontorschikova, Nailya Kubysheva, Daria Leonova, Anastasia Bobkova, S Soodaeva

Systemic inflammation is associated with mitophagy signalling in skeletal muscle of COPD patients

Harry R. Gosker (Maastricht, Netherlands), Pieter A. Leermakers, Anita E. Kneppers, Marco C. Kelders, Chiel C. De Theije, Annemie M. Schols

Oxidative stress indicators in patients with an exacerbation of COPD

Svetlana K. Soodaeva (Moscow, Russian Federation), Nailya Kubysheva, Igor Klimanov, Timur Li, Mary Glukhova, Tatyana Eliseeva, Lidiya Nikitina

Metabolic paralysis in systemic immune cells of Chronic Obstructive Pulmonary Disease (COPD) subjects.

Ankita Brahme (Pune (Maharashtra), India), Smita Kadam, Manas Agrawal, Komalkirti Apte, Govinda Narke, Sapna Madas, Sundeep Salvi, Amit Agarwal

To the molecular genetic mechanisms of the COPD pathogenesis

Vyacheslav Kobylansky (Moscow, Russian Federation)

Molecular characterization of novel PiS-like alleles identified in Spanish patients with Alpha-1 antitrypsin deficiency

Nerea Matamala (MADRID, Spain), Gema Gomez-Mariano, Selene Martínez, Alejandra Damián, Virginia Aquino, Sheila Ramos, Irene Gonzalo, Raquel Saez, Igor Iturbe, Javier Michel De La Rosa, María Molina-Molina, María Del Puerto Cano, Ignacio Blanco, Cristina Esquinas, Francisco Casas-Maldonado, Beatriz Martínez-Delgado

Functional metagenomics of induce sputum microbiome in Biomass-Smoke associated COPD subjects in rural Indian population

Baishakhi Ghosh (Bangalore (Karnataka), India), Akshay Gaike, Shreyas Kumbhare, Kanchan Pyasi, Jyoti Londhe, Vandana V Das, Bill Brashier, Dhiraj Dhotre, Yogesh Shouche, Louise Donnelly, Peter Barnes, Sundeep Salvi

Cytochrome P450 2A5 methylation and gene expression profile is organ-specific and affected by maternal smoking during pregnancy

Khosbayan Lkhagvadorj (Groningen, Netherlands), Karolin F. Meyer, Laura P. Verweij, Zhijun Zeng, Torsten Plösch, Machteld Hylkema

Role of β 2-adrenergic receptor in cigarette smoke-induced COPD in mice

Anne Orholm Nielsen (Køge, Denmark), Steen Seier Poulsen, Morten Dahl

Impaired skeletal muscle kynurenine metabolism in patients with COPD

Harry R. Gosker (Maastricht, Netherlands), Gerard Clarke, John F. Cryan, Annemie M. Schols

Dysregulation of circadian clock genes in human pulmonary vascular cells exposed to cigarette smoke extract: possible involvement of epigenetic modification

Tao Wang (Chengdu (Sichuan), China), Yuru Lan, Zhicheng Yuan, Jun Chen, Fuqiang Wen

Blood levels of matrix metalloproteinases (MMPs) and tissue inhibitors of matrix metalloproteinases (TIMPs) as biomarkers of COPD.

Dimo Dimov (Stara Zagora, Bulgaria), Tacheva Tanya, Ivanova Donika, Zhelyazkova Yanitsa, Vlaykova Denitsa, Gulubova Maya, Vlaykova Tatyana

The KEAP1/NRF2 signaling system genes and their target genes are associated with COPD

Yulia Aznabaeva (Ufa (Republic of Bashkortostan), Russian Federation), Gulnaz Korytina, Leysan Akhmadishina, Olga Kochetova, Shamil Zagidullin, Tatyana Victorova

Role of NKX2-1 in diffuse infiltrative pneumonia

Elodie NATTES (CRETEIL, France), Alix De Becdelievre, Pierre Lesimple, Marion Onnée, Céline Delestrain, Ralph Epaud, Pascale Fanen

13:00 - 14:00

Meet the expert: ME1 Endoscopic lung volume reduction

Aims : to present and discuss the different endoscopic lung volume reduction techniques based on the actual evidence in cases, and to analyse possible complications, limitations and contraindications.

Disease(s) : Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Physiotherapist, Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician**Chairs :** Péter Horváth (Budapest, Hungary)**13:00** **Endoscopic lung volume reduction**
Felix J.F. Herth (Heidelberg, Germany)**13:00 - 14:00****Meet the expert: ME2 Lung microbiome: study design and standardisation****Aims :** to review the novel detection and cultivation techniques used in lung microbiome studies; and to outline and explain the obstacles and opportunities associated with lung microbiome studies, with a focus on the important and sometimes unmet need for controls, the required experimental procedures and the guidelines for the analysis.**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology**Tag(s) :** Basic science**Target audience :** Allergist, Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee**Chairs :** Sabine Bartel (Borstel, Germany)**13:00** **Lung microbiome: study design and standardisation**
Debby Bogaert (Edinburgh, United Kingdom)**13:00 - 14:00****Meet the expert: ME4 Mucus clearance techniques across respiratory care settings****Aims :** To provide an update on the current expert experience and scientific evidence regarding the use of mucus clearance techniques in various respiratory care settings.**Disease(s) :** Respiratory critical care Respiratory infections**Method(s) :** General respiratory patient care Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, Nurse, Paediatrician, Patient, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**13:00** **Plethysm techniques**
Christian Osadnik (Melbourne, Australia)**13:00 - 14:15****Assembly members' meeting: Assembly 4 Clinical physiology and sleep****Chairs :** Andrea Aliverti (Milan, Italy), Pierantonio Laveneziana (Paris Cedex 13, France)**13:00 - 14:15****Assembly members' meeting: Assembly 10 Respiratory infections****Chairs :** Graham H. Bothamley (London, United Kingdom), Eva Polverino (Barcelona, Spain)**13:00 - 14:15****Assembly members' meeting: Assembly 2 Respiratory intensive care****Chairs :** Raffaele Scala (Arezzo, Italy), Leo M.A. Heunks (Amsterdam, Netherlands)**13:00 - 14:15****Assembly members' meeting: Assembly 8 Thoracic surgery and transplantation****Chairs :** Geert Verleden (Leuven, Belgium), Stefano Elia (Roma (RM), Italy)**13:00 - 14:15****Assembly members' meeting: Assembly 11 Thoracic oncology****Chairs :** Bogdan Dragos Grigoriu (Bruxelles, Belgium)

13:00 - 14:15

Assembly members' meeting: Assembly 12 Interstitial lung diseases**Chairs :** Venerino Poletti (Forlì, Italy), Katerina Antoniou (Heraklion, Greece)

13:00 - 14:15

Assembly members' meeting: Assembly 13 Pulmonary vascular diseases**Chairs :** Marion Delcroix (Leuven, Belgium), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

13:00 - 14:30

Championship: Respiratory championship**Become a champion in respiratory medicine****Aims :** to watch four teams compete in a state-of-the-art review of the major fields of respiratory medicine. The audience will be able to participate as well by answering the questions with their mobile devices.**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Student, Trainee**Chairs :** Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)**Airfel Tower**

Marion Ferreira (La Riche, France), Maeva Zysman (Montreuil, France), Simon Valentin (Nancy, France)

Aeropassion

Ana-Maria Zaharie (Bucarest, Romania), Valentin Caius Cosei (Bucuresti (Sector 3), Romania), Andrei Lesan (Cluj (Cluj Napoca), Romania)

The Wonderpuls

Rottem Kuint (Jerusalem, Israel), Lilach Israeli-Shani (Tel Aviv, Israel), Ori Wand (Kfar Sava, Israel)

BREATHCON2

Tiago Alfaro (Coimbra, Portugal), Paulo Miguel Sotto Mayor Moreira De Matos (Braga, Portugal), Pedro Gonçalves De Silva Ferreira (Coimbra, Portugal)

13:00 - 14:30

Lunchtime session: Advances in idiopathic pulmonary fibrosis treatment, tracheobronchial reconstruction using bioengineering and clinical prediction rules for diagnosing pulmonary embolism**A joint ERS/JAMA lunchtime session****Aims :** (i) To review the current treatments for idiopathic pulmonary fibrosis (IPF), with a particular focus on a novel treatment that was recently reported in the Journal of the American Medical Association (JAMA); (ii) to review the current approaches to tracheobronchial reconstruction in thoracic surgical oncology, with particular attention to a novel approach that was recently reported in JAMA; and (iii) to review the clinical prediction rules that are used to evaluate patients who present with symptoms or signs that are suggestive of pulmonary embolism, with a particular focus on the relevant randomised clinical trial evidence that was recently reported in JAMA.**Disease(s) :** [Interstitial lung diseases](#) [Thoracic oncology](#)**Method(s) :** General respiratory patient care Surgery Transplantation**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** George O'Connor (Boston, United States of America), Toby Maher (St. Albans (Hertfordshire), United Kingdom)**13:00 Advances in the treatment of idiopathic pulmonary fibrosis**
Ganesh Raghu (Seattle, United States of America)**13:30 Advances in tracheal and bronchial reconstruction using bioengineering approaches**
Emmanuel Martinod (Bobigny, France)**14:00 Advances in the clinical prediction rules that are used to assess patients with possible pulmonary embolism**
Yonathan Freund (Paris, France)

13:00 - 14:15

Lungs on fire: Interstitial Lung Diseases & Respiratory Infections

- Aims :** • Study real challenging clinical cases
- Learn and exchange ideas with a panel of respiratory experts
 - Discuss the various diagnosis and treatment options

Disease(s) : Interstitial lung diseases Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, Paediatrician, Thoracic oncologist, Nurse, Radiologist, Trainee

Chairs : Chair to be confirmed

Session facilitator introduction

Pierre-Régis Burgel (Sorbonne Paris Cité, France)

Case 1 - Author: S. Yamawaki (Tokyo, Japan)

Case 2 - Author: A. Shiroshita (Kamogawa, Japan)

Case 3 - Author: J-B. Duquenne (Liège, Belgium)

Case 4 - Author: C. Debrus (Luxembourg, Luxembourg)

Case 5 - Author: A. He imovi (Zagreb, Croatia)

13:15 - 14:15

Meet the expert: ME3 Bronchoscopic evaluation of recurrent/persistent pneumonia in children

Aims : to discuss the role of flexible bronchoscopy when evaluating recurrent or persistent pneumonia in children that remains otherwise unexplained by noninvasive diagnostic tests.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : General practitioner, Paediatrician, Patient, Student, Trainee

Chairs : Michele Ghezzi (Bergamo, Italy)

13:15 Bronchoscopic evaluation of recurrent/persistent pneumonia
Bülent Taner Karadag (Istanbul, Turkey)

14:30 - 16:30

**Professional development: PDW4 How to deal with difficult employees and co-workers
Strategies for working with direct reports and co-workers**

Aims : Participants will increase their ability to develop effective approaches to dealing with challenging situations, to use effective communication skills to raise concerns and to identify difficult personality types and utilise specific strategies for dealing with them.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Louellen N. Essex (Wayzata, United States of America), Nicolino Ambrosino (Livorno (LI), Italy)

What makes a situation challenging?

Louellen N. Essex (Wayzata, United States of America)

How to implement a communication approach: a step-by-step guide

Louellen N. Essex (Wayzata, United States of America)

How to manage difficult situations

Louellen N. Essex (Wayzata, United States of America)

How to use a coping technique when communication does not work

Louellen N. Essex (Wayzata, United States of America)

Summary

Louellen N. Essex (Wayzata, United States of America)

Question and answer session

Louellen N. Essex (Wayzata, United States of America)

14:30 - 16:50

Skills workshop: SW6 Endoscopy**Hands-on workshop on endoscopic technologies****Aims :** to present and demonstrate the current and upcoming technologies in endoscopy.**Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Surgery**Tag(s) :** Clinical**Target audience :** Clinical researcher, Paediatrician, General practitioner, Thoracic oncologist, Adult pulmonologist/Clinician, Thoracic surgeon**Chairs :** Felix J.F. Herth (Heidelberg, Germany)**Introduction****Endobronchial valve placement**

Sebastian Fernandez Bussy (Santiago, Chile)

Paediatric bronchoscopy

Raffaella Nenna (Rome, Italy)

Cryobiopsy

Alexander Chen (St. Louis, United States of America)

Endobronchial ultrasound with transbronchial needle aspiration

Mark Krasnik (Hellerup, Denmark)

14:30 - 16:50

Skills workshop: SW3 Body plethysmography**Aims :** to help attendees gain the technical expertise and physiological knowledge needed to perform full body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the system setup, quality control and calibration; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Nurse, Lung function technologist, Paediatrician, Physiologist, Student, Trainee**Chairs :** Frans H.C. De Jongh (Enschede, Netherlands)**Introduction****Calibration, quality control and system settings**

Maureen P. Swanney (Christchurch, New Zealand)

Technical aspects of body plethysmography

Kevin De Soomer (Burcht, Belgium)

Standardisation of test performance

Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

Reporting and interpretation of case studies

Gilles Garcia (Le Kremlin-Bicêtre, France)

14:45 - 16:45

Symposium: Mitochondrial dysfunction as a driver of lung disease

Aims : to describe the pathogenic roles of mitochondrial dysfunction in chronic respiratory diseases. Mitochondrial dysfunction is emerging as a driver of lung diseases. Recent studies on the mitochondrial dysfunction in diseases such as cancer and ageing have profoundly increased our understanding of how mitochondrial function regulates multiple cell functions, including energy production, apoptosis, calcium and reactive oxygen species signalling, and the generation of biosynthesis intermediates. Maintaining mitochondrial function is thus critical for ensuring proper organ function. An improved understanding of the mitochondrial dysfunction in lung diseases may promote the identification of novel therapeutic options for chronic respiratory diseases. It may also lead the way to considering repurposing already approved drugs such as metformin.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Scientist (basic, translational), Student, Trainee

Chairs : Rachel Chambers (London, United Kingdom), Charles Dela Cruz (New Haven, United States of America)

14:45 **An introduction to mitochondria in lung biology and disease**
Silke Meiners (München, Germany)

15:15 **Metabolic control of longevity**

15:45 **Lung fibrosis - a disease of mitochondrial dysfunction**
Ana Mora (Pittsburgh, United States of America)

16:15 **Role of mitochondria in the activation of immune cells in the lung**
Argyris Tzouvelekis (Athens, Greece)

14:45 - 16:45

Symposium: Current and evolving tests in lung function: pro/con debate

Aims : to stage pro and con debates that will challenge our perceptions of current and evolving tests in lung function assessment. Three pro and con debates, each involving two speakers, will be presented. In each debate, the speakers will each deliver a sharp 12 minute presentation and there will be a 10 minute open discussion after both speakers have spoken. Thereafter, an update on the Global Lung Function Initiative (GLI) will be provided.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Irene Steenbruggen (Zwolle, Netherlands), Nicolas Roche (Paris, France)

14:45 **FEV1 is helpful in respiratory medicine - pro**
Roberto Rodriguez Roisin (Barcelona, Spain)

15:02 **FEV1 is helpful in respiratory medicine - con**
Omar S. Usmani (London, United Kingdom)

15:19 **Forced oscillation technique is ready for screening respiratory disease - pro**
Ronald Dandurand (Beaconsfield (QC), Canada)

15:36 **Forced oscillation technique is ready for screening respiratory disease - con**
Peter M. A. Calverley (Liverpool (Merseyside), United Kingdom)

15:53 **Multiple breath washout technique is a helpful clinical tool for assessing respiratory disease - pro**
Bruce Thompson (Melbourne, Australia)

16:10 **Multiple breath washout technique is a helpful clinical tool for assessing respiratory disease - con**
Philipp Latzin (Bern, Switzerland)

16:27 **Current challenges and future directions of the Global Lung function Initiative (GLI)**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

14:45 - 16:45

Symposium: Interstitial lung disease: an interdisciplinary approach Translating quality standards from paper to practice

Aims : to show how a person-centred integrated approach to the management of idiopathic pulmonary fibrosis (IPF) is fundamental to delivering high quality care to adults with IPF. Specific aims are as follows: to demonstrate the impact of the specialised nurse on the quality of care delivered to patients with interstitial lung disease (ILD); to describe the association between patient education and quality of life; to discuss, using IPF case examples, the complexity of ILD and the challenges faced in providing individualised care across the disease trajectory, including access to palliative care; and to provide an update on contemporary measures that are used to optimise patient outcomes.

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care

Tag(s) : Translational

Target audience : General practitioner, Nurse, Physiologist, Physiotherapist, Adult pulmonologist/Clinician

Chairs : Michael Kreuter (Heidelberg, Germany), Wim A Wuyts (Rotselaar, Belgium), Katleen Leceuvre (KESSEL-LO, Belgium)

14:45 Perspectives on managing an ILD patient
Luca Richeldi (Southampton (Hampshire), United Kingdom)

15:12 Patient testimonial
Klaus Geissler (Bietigheim-Bissingen, Germany)

15:24 The ILD-nurse putting the focus on the patient: PROMs and PREMs
Anne-Marie Russell (London, United Kingdom)

15:51 Pulmonary rehabilitation in IPF
Rainer Gloeckl (Schoenau am Koenigssee, Germany)

16:18 Palliative care for patients with ILD - the need for state-of-the-art knowledge
Marlies S. Wijsenbeek (Rotterdam, Netherlands)

14:45 - 16:45

Symposium: Management of pleural infection in 2018

Pleural infection

Aims : to highlight the increasing incidence of pleural infection across all age groups; to identify validated prognostic scores at presentation and those at highest risk of mortality; to discuss the best radiological investigations in this setting; to summarise the best way of managing medically and surgically these patients; to identify the microbiological spectrum of the disease and best antimicrobials to treat these infections; to summarise the best way to manage paediatric pleural infection.

Disease(s) : Respiratory infections Paediatric respiratory diseases

Method(s) : Imaging Surgery

Tag(s) : Clinical

Target audience : Nurse, Paediatrician, Radiologist, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Eva Polverino (Barcelona, Spain), Najib M. Rahman (Oxford, United Kingdom)

14:45 How can radiology assist in the diagnosis and management of pleural infection
Anthony Edey (Bristol (Avon), United Kingdom)

15:15 Medical management of pleural infection
Muriel Fartoukh (Paris, France)

15:45 Surgical management of pleural infection - who to operate on and when
Stefano Elia (Roma (RM), Italy)

16:15 Paediatric management of pleural infection
Adam Jaffe (Randwick (NSW), Australia)

14:45 - 16:45

Symposium: State of the art session: Sleep and breathing disorders

Dyspnoea, brain and sleep disorders

Aims : Breathlessness debilitates millions of people with chronic illness and is an “all-consuming and life-changing” experience that is subjective and intensely personal and associates with profound fear. It is the primary symptom in chronic obstructive pulmonary disease (COPD). The severity of breathlessness is frequently discordant with airway pathophysiology. Obstructive sleep apnoea (OSA) is a disorder of breathing during sleep that temporarily reduces cerebral oxygenation and disrupts sleep. A growing body of research shows that OSA associates with a relatively consistent pattern of deficits in cognition, particularly in attention, episodic memory and executive function. These deficits can be partially remediated by treatment. Despite a number of competing hypotheses that explain how OSA affects cognition, reliable evidence is hard to find. This may relate to the many conditions that are commonly comorbid with OSA or to the methodological challenges in this field. This state of the art session will elucidate the intimate relationship between the brain and the breathing “disorders” in chronic respiratory conditions.

Disease(s) : Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Imaging Physiology**Tag(s) :** Clinical**Target audience :** Clinical researcher, Physiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician**Chairs :** Andrea Aliverti (Milan, Italy), Pierantonio Laveneziana (Paris Cedex 13, France)**14:45 Clinical dyspnoea: brain mechanisms and their clinical impact on brain functions**
Thomas Similowski (Paris Cedex 13, France)**15:15 Treating breathlessness via the brain**
Andreas von Leupoldt (Leuven, Belgium)**15:45 OSA and cognition**
ivana Rosenzweig (London, United Kingdom)**16:15 Hypoxia, arousals, breathing effort: a roadmap to comorbidities?**
Silke Ryan (Dublin 14, Ireland)

14:45 - 16:45

Year in review: Paediatric Year in Review

Aims : The audience will be updated in four topics in paediatric respiratory medicine. The most recent and significant literature and developments relating to these topics will be highlighted.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology Epidemiology Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Jonathan Grigg (London, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)**14:45 What's new in cystic fibrosis?**
Ian Balfour-Lynn (London, United Kingdom)**15:15 What's new in paediatric asthma?**
Stanley J. Szeffler (Denver, United States of America)**15:45 What's new in neonatology?**
Irwin K. M. Reiss (Rotterdam, Netherlands)**16:15 What can we learn from paediatric cohort studies?**
Claudia E. Kuehni (Bern, Switzerland)

14:45 - 16:45

Poster discussion: Thoracic surgery, pleural effusions and other general thoracic surgery

Disease(s) : Respiratory infections Respiratory critical care Airway diseases Thoracic oncology Interstitial lung diseases**Method(s) :** Surgery Endoscopy and interventional pulmonology Epidemiology**Chairs :** Anne Olland (Strasbourg, France), Dragan R. Subotic (Beograd, Republic of Serbia)**Feasibility of uniportal VATS anatomic segmentectomy in the treatment of complex pulmonary tuberculosis**

Eugene Shepichev (Saint Petersburg, Russian Federation), Armen Avetisyan, Grigori Kudriashov, Igor Vasilyev, Ilya Serezvin, Makhmud Mortada, Piotr Yablonskii

Plastic surgery of extensive defects of the anterior wall of the trachea after laryngo-tracheostomy.
Rustem Hayaliev (Tashkent, Uzbekistan), Shuhrat Khudaybergenov, Otabek Eshonkhodjaev**Intravenous laser blood irradiation in preoperative preparation for patients with XDR tuberculosis**
Vilayat Aliev (Moscow, Russian Federation), Mamed Bagirov, Svetlana Sadovnikova, Elena Krasnikova, Dmitry Prokhodtsov**Cytoreductive operations in complex treatment for lung metastases of colorectal cancer.**
Aleksey Reshetov (St. Petersburg, Russian Federation), Aleksey Elkin, Vasily Klimenko, German Nikolaev, Dmitry Ermakov

Multidisciplinary approach in the diagnosis of Idiopathic Pulmonary Fibrosis: role of transbronchial lung cryobiopsy and surgical biopsy on a cohort of 153 patients.

Stefano Sanna (forli, Italy), Sara Tomassetti, Desideria Argnani, Marta Mengozzi, Claudia Ravaglia, Anna Mariantonia Parisi, Jury Brandolini, Venerino Poletti, Maurizio Salvi

Up-today approaches in the surgical treatment of post-pneumonectomy empyema

Anatoli Semkov (Sofia, Bulgaria), Georgi Yankov, Mihail Plochev, Danail Petrov

Analysis of the solitary pulmonary nodule after surgical resection in patients using 18F-FDG integrated PET-CT scan at preoperative work-up.

Antonio Francisco Honguero Martinez (Albacete, Spain), Ana MariA Del Rosario Nuñez-Ares, Maria Dolores Garcia-Jimenez, Concepcion Patricia Lopez-Miguel, Raul Godoy-Mayoral, Marta Genoves-Crespo, Ana Garcia-Vicente, Claudia-Rossana Rodriguez-Ortega, Fernando Andres-Petrel, Carlos-Eduardo Almonte-Garcia, Francisco-Javier Callejas-Gonzalez, Jesus Jimenez-Lopez, Pablo Leon-Atance, M Lazaro-Sahuquillo

Synchronous primary lung cancers;a clinical challenge in modern thoracic oncology

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Aggeliki Mpairaktari, Gerasimos Aravantinos, Nikolaos Anastasiou

Segmentectomies with minimal invasive surgery

Selma Mine Kara Apaydin (Ankara, Turkey), Funda Incekara, Koray Aydogdu, Sevki Mustafa Demiroz, Gokturk Findik

Should we take the biopsy during EBUS staging in group 2r,2L?

Igor Vasilev (St. Petersburg, Russian Federation), Andrey Skorockhod, Ivan Zaitcev, Piotr Yablonskii

Minimally invasive lobectomy for localized single-sided pulmonary tuberculosis: preliminary results of one-year follow-up

Grigori Kudriashov (St. Petersburg, Russian Federation), Ekaterina Davydenkova, Sultan Gasanmagomedov, Igor Vasilev, Armen Avetisyan, Piotr Yablonskii

Pneumostomy: an operative proposal - pilot study

Julio Mott Ancona Lopez (Sao Paulo, Brazil), Roberto Saad Jr, Vicente Dorgan Neto, Marcio Botter, Camila Bertini Martins, Jorge Henrique Rivaben

An audit review of safety and complication rates, of rigid bronchoscopy and large airways intervention, in a London tertiary centre

Kavina Manalan (London, United Kingdom), Kate Ryan, Hussain Basheer, Agnieszka Crerar-Gilbert, Brendan Madden

Effect of Vitamin C and vitamin E on Lung Contusion: a cohort,prospective Randomized Clinical Trial study

Abdoulhossein Davoodabadi (Kashan, Islamic Republic of Iran)

Retrospective analysis of 192 patients with pulmonary metastasectomy: a 12-year singlecenter experience.

Yury Ragulin (Obninsk (Kaluga Oblast), Russian Federation), Evgeny Smolenov, Vladimir Usachev

Significancy of systemic lymph node dissection in the treatment of typical bronchial carcinoid tumors: a critical review of endobronchial treatment

Yusuf Kahya (Ankara, Turkey), Mehmet Ali Sakall, Bülent Mustafa Yenigün, Cabir Yüksel, Serkan Enön, Ayten Kay Cangir

Airway management in tracheal resection for postintubation stenotic lesions

Igor Medvinskiy (Yekaterinburg (Sverdlovsk), Russian Federation), Igor Motus, Alexander Bazhenov, Dmitriy Ereemeev, Sergey Skornyakov, Anna Tsvirenko

How much prevention of postoperative recurrence by staple-line reinforcement on thoracoscopic blebectomy for spontaneous pneumothorax?

Masao Naruke (Tokyo, Japan)

14:45 - 16:45

Poster discussion: Systematic reviews on the health effects of emerging tobacco products and electronic nicotine delivery systems (ENDS)**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** General respiratory patient care Public health Physiology Cell and molecular biology Epidemiology**Chairs :** Mehmet Atilla Uysal (Istanbul, Turkey), Constantine Vardavas (Athens, Greece)**Study of lung functions in tobacco chewers**

Abhijit Vinod Ahuja (Mumbai (Maharashtra), India), Abhay Uppe, Girija Nair

Acute health effects of short-term use of e-cigarette on respiratory and cardiovascular system

Mateusz Jankowski (Katowice, Poland), Grzegorz Bro ek, Jan Zejda, Paulina Majek, Jakub Luba ski

Passive exposure of COPD patients to e-cigarette vape - a double-blinded exposure chamber study

Jakob B  nl  kke (Hjortsh  j, Denmark), Karin Rosenkilde Laursen, Merete Bilde, Marianne Glasius, Elisabeth Bendstrup, Peter Ravn, Vivi Schl  nssen, S  ren K Kj  rgaard, Torben Sigsgaard

Acute changes in PFT's in asthma patients after the use of e-cigarette

Serafim Chrysovalantis Kotoulas (, Greece), Despoina Papakosta, Dionysios Spyrtatos, Evangelia Fouka, Aikaterini Markopoulou, Konstantinos Porpodis, Evangelia Panagiotidou, Evangelos Chatzopoulos, Theodoros Kontakiotis, Paraskevi Argyropoulou, Athanasia Pataka

Effects of electronic cigarette aerosol on isolated murine lung cells and bronchoalveolar lavage fluid

Elsa Tadele Roxlau (Munich, Germany), Alexandra Pichl, Balachandar Selvakumar, Ralph T. Schermuly, Hossein A. Ghofrani, Werner Seeger, Werner Seeger, Jochen Wilhelm, Mirja Fassbender, Friedrich Grimminger, Susanne Herold, Natascha Sommer, Norbert Weissmann

Acute effects of e-cigarette inhalation with or without nicotine on levels of microvesicles in the blood of human volunteers

Magnus Lundb  ck (Stockholm, Sweden), Fariborz Mobarrez, Lukasz Antoniewicz, Jenny Bosson Damewood

ROLE OF E-CIGARETTES IN THE SMOKING CESSATION

Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Nataliia Tsymbaliuk, Andrii Sidorov

Effects of heat-not-burn tobacco on health are different from conventional cigarette

Shin-ichi Hagiwara (Hagamachi , Japan)

Nicotine influence on hemocoagulation system

Anna Bulanov (Tomsk, Russian Federation), Ekaterina Bukreeva, Ivan Tyutrin

Can heat-non-burn tobacco be "non-burn" and "smokeless"?

Efthimios Zervas (Patra, Greece), Paraskevi Katsaounou

Lessons from systematic analysis of scientific publications on heated tobacco

Bertrand Dautzenberg (Paris, France), Marie-Dominique Dautzenberg

World scientific production of tobacco and smoking

Efthimios Zervas (Patra, Greece), Konstantinos Konstantopoulos, Paraskevi Katsaounou

Meta-analysis on the Effect of Current Smoking on the Risk of Developing Community Acquired Pneumonia

Vadsala Baskaran (Nottingham (Nottinghamshire), United Kingdom), Rachael Murray, Abby Hunter, John Britton, Wei Shen Lim, Tricia McKeever

Systematic Review on the Effect of Current Smoking on the Risk of Influenza

Hannah Lawrence (Nottingham (Nottinghamshire), United Kingdom), Abby Hunter, Rachael Murray, Wei Shen Lim, Tricia McKeever

Spirometry to motivate smoking cessation - a systematic review

Elisabeth Westerdahl (  rebro, Sweden), Mats Arne, Matz Larsson, Kjell Ola Engman

Spirometric lung age (SLA) norms: a review

Mouna Ben Khelifa (sousse, Tunisia), Halima Ben Salem, Souheil Chatti, Sonia Rouatbi, Helmi Ben Saad

14:45 - 16:45

Poster discussion: Asthma management**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Physiology**Chairs :** Tiziana Patrizia Cremona (Bern, Switzerland), Asger Sverrild (K  benhavn NV, Denmark)**Changes in forced oscillatory parameters in reversibility testing as predictors for cough variant asthma**

Toshihiro Shirai (Shizuoka, Japan), Hirofumi Watanabe, Taisuke Akamatsu, Kanami Tamura, Toshihiro Masuda, Shingo Takahashi, Yuko Tanaka, Yoshinari Endo, Takahito Suzuki, Rie Noguchi, Mika Saigusa, Akito Yamamoto, Yuichiro Shishido, Takefumi Akita, Satoru Morita, Kazuhiro Asada

Step-down of moderate-severe asthma treatment in clinical practice

Alexandra Suliana Mogrovejo Calle (Valencia, Spain), Eva Mart  nez Morag  n, Julio Delgado Romero, Alberto Levy Naon, Francisco Javier Gonz  lez Barcala, Virginia Serrano Guti  rrez, Antonio Moreno Fern  ndez

Effect of cumulative smoking history on disease burden and multimorbidity in adult-onset asthma

Minna Tammola (Seinäjoki, Finland), Pinja Ilmarinen, Leena E Tuomisto, Lauri Lehtimäki, Onni Niemelä, Pentti Nieminen, Hannu Kankaanranta

Exposure-response analysis of tezepelumab in patients with severe asthma to guide phase 3 dose selection

Neang Ly (Mountain View, United States of America), Yanan Zheng, Janet M. Griffiths, René Van Der Merwe, Balaji Agoram, Lorin Roskos

Clustering analysis for omalizumab responder patient profiles identification. Fenoma study

Carlos Almonacid Sanchez (Guadalajara, Spain), José Gregorio Soto Campos, Paloma Campo Mozo, Ana Moreira Jorge, Ignacio Jesus Davila Gonzalez

Aerobic fitness in asthmatic adolescents with fixed airway obstruction

Andrey Sousa (São Paulo (SP), Brazil), Ronaldo Aparecido Silva, Anna Lúcia Cabral, José Grindler, Alfredo José Fonseca, Milton Arruda Martins, Celso Rf Carvalho

Can air purifier promote the indoor cleanliness and improve the patients with asthma?

Takao Miyoshi (Tokyo, Japan), Wakaba Furuie, Yoshio Otani, Chihiro Tani, Marika Waku, Fumika Koike, Yasunari Miyazaki, Naohiko Inase, Tetsuo Sasano, Miho Akaza, Tetsuo Kubota, Yuki Sumi

Holistic management of asthma exacerbation in emergency department (ED): A-CARE (Asthma-COPD Afterhours Respiratory Nurse at Emergency) program

Si Yuan Chew (Singapore, Singapore), Jenneth Yue Ling Leow, Adrian Kwok Wai Chan, Jing Jing Chan, Donna Tan, Aman Butta, Mariko Siyue Koh

Antagonists for Chemoattractant receptor-homologous molecule expressed on Th2 cells in asthma: a meta-analysis and systematic review

Jing Yang (Beijing, China), Jian Luo, Ling Yang, Dan Yang, Dan Wang, Bicui Liu, Binmiao Liang, Chuantao Liu

A nocturnal temperature controlled laminar flow device (TLA) maintains good control of severe allergic asthma (SAA) after withdrawal of Omalizumab therapy

Chun-Hua Wang (Taipei, Taiwan), Chun-Yu Lo, Han-Pin Kuo

Consideration of Aspergillus component for Allergic Bronchopulmonary Aspergillosis (ABPA)

KAZUNOBU KUWABARA (nagoya, Japan), Koichiro Takita, Rieko Kondo, Takahiko Horiguchi

Assessment of diagnostic accuracy of lung function indices and FeNO for a positive methacholine challenge in suspected asthmatics

Nicolas Bougard (Ougrée, Belgium), Florence Schleich, Françoise Guissard, Renaud Louis

When omalizumab is effective, should treatment be for life?

Maria Sanchez-Carpintero Abad (Orkoien (Navarra), Spain), Virginia Collados Arroyo, Guillermo Doblaré Higuera, Aythamy Henriquez Santana, Francisco Javier Ruiz Hornillos, Sandra Blanco Bermejo, Francisco José Roig Vazquez

Spanish study on unmet clinical needs in patients with uncontrolled severe asthma.

Luis Pérez De Llano (Lugo, Spain), Eva Martínez Moragon, Borja García-Cosío, Vicente Plaza

Development of a novel prediction model for acute asthma exacerbation

So-Young Park (Seoul, Democratic People's Republic of Korea), Jung-Hyun Kim, Bomi Seo, Woo-Jung Song, Hyouk-Soo Kwon, Tae-Bum Kim, Hee-Bom Moon, You Sook Cho

impulse oscillometry in Small airway dysfunction in asthmatics and its utility in asthma control .

Ragia Samir Sharshar (Tanta, Egypt)

The validation of the Severe Asthma Questionnaire (SAQ).

Rupert Jones (Milton Combe, United Kingdom), Michael Hyland, Joseph Lanario, Matthew Masoli

14:45 - 16:45

Poster discussion: Respiratory muscle function, postural control and breathing exercises in chronic respiratory conditions**Disease(s) :** Airway diseases Respiratory infections Pulmonary vascular diseases Sleep and breathing disorders Respiratory critical care**Method(s) :** General respiratory patient care Physiology Epidemiology Public health**Chairs :** Wendy Darlene Reid (Toronto ON, Canada), Rachael A. Evans (Market Harborough (Leicestershire), United Kingdom)

Determining the efficacy of physiotherapy interventions in paediatric dysfunctional breathing

Nicki Barker (Sheffield (South Yorkshire), United Kingdom), Ravi Thevasagayam, Kelechi Ugonna, Jane Kirkby

The effect of breathing retraining on patients with difficult asthma and dysfunctional breathing

Lone Schaadt (Vallensbæk Strand, Denmark), Martin Dam Soerensen, James Hull, Celeste Porsbjerg

Incentive spirometry: aspects of clinical practice of professionals working with patients with respiratory dysfunction

Veronica Parreira (Belo Horizonte (MG), Brazil), Liliane Mendes, Larissa Borges, Leticia Mendonça, Dayane Montemezzo, Giane Ribeiro-Samora

Maximal sustained inspiration promotes similar changes on breathing pattern and chest wall motion compared to Incentive spirometry

Veronica Parreira (Belo Horizonte (MG), Brazil), Liliane Mendes, Luana Teixeira, Layza Cruz, Danielle Vieira

Effect of manual breathing assist technique on deoxygenation of sternocleidomastoid and lung volumes in patients with COPD

Takako Tanaka (Nagasaki, Japan), Ryo Kozu

Inspiratory muscle weakness is associated to static balance in middle-aged and older women

Silvana Sousa (MURCIA, Spain), Ingrid Azevedo, Felipe Morillas, Elizabeth Viana, Alvaro Maciel, Saionara CâMara

Inspiratory muscle training decreases ankle proprioceptive use during balance control in patients with COPD

Lotte Janssens (Diepenbeek, Belgium), Daniel Langer, Sauwaluk Dacha, Zafeiris Louvaris, Simon Brumagne, Nina Goossens, Charlotte Amerijckx, Rik Gosselink

Differences in balance between children with mild asthma and healthy children

Katerina Neumannova (Olomouc, Czech Republic), Zuzana Kovacikova, Miroslav Janura, Jana Rydlova

The Trunk Control Test: relations with respiratory muscle strength and peak expiratory cough flow

Monique Messaggi Sartor (Barcelona, Spain), Ester Marco, Natalia Neira-Fernandez, Cindry Ramirez-Fuentes, Roser Boza, Esther Duarte, Anna Guillen-Solà

Comparison of balance and coordination abilities between asthmatic patients and healthy subjects

Ay enur Yilmaz (Denizli, Turkey), Süleyman Gürsoy, Orçin Telli Atalay, Harun Ta k n, Ali Yalman, Binnaz Fatma Evyapan

Metronome paced tachypnoea as an indicator of dynamic hyperinflation in incremental and constant work rate tests

Clancy Dennis (Canberra (ACT), Australia), Collette Menadue, Tessa Schneeberger, Rainer Gloeckl, Daniella Leidl, Alison Harmer, Ursula Schoenheit-Kenn, David Barnes, Andreas Rembert Koczulla, Klaus Kenn, Jennifer Alison

NIV reduces oxygen consumption during rest and constant work rate exercise in patients with COPD

Clancy Dennis (Canberra (ACT), Australia), Collette Menadue, Tessa Schneeberger, Rainer Gloeckl, Daniella Leidl, Alison Harmer, Ursula Schoenheit-Kenn, David Barnes, Andreas Rembert Koczulla, Klaus Kenn, Jennifer Alison

Comparison between manual and automated analyses of esophageal diaphragm electromyography during endurance cycling in patients with COPD

Sauwaluk Dacha (Leuven, Belgium), Luc Janssens, Zafeiris Louvaris, Lotte Janssens, Rik Gosselink, Daniel Langer

Analysis of maximum relaxation rate in patients with Duchenne Muscular Dystrophy compared to healthy subjects

Jéssica Danielle Medeiros da Fonsêca (Santa Cruz, Brazil), Ilsa Priscila Santos, Maria Lira, Layana Marques, Ana Marcelino, Mario Emílio Dourado-Júnior, Guilherme Fregonezi, Vanessa Resqueti

A mismatch between dyspnea and general-respiratory functional tests in patients with Amyotrophic Lateral Sclerosis

Vinicius Iamonti (São Paulo (SP), Brazil), Mayra Pereira, Jeferson Ferreira, Gerson Chadi, Frederico Jorge, Pedro Caruso, Leticia Cardenas, Natalia Pontes, Flavia Badaro, Carlos Carvalho, Andre Luis Albuquerque

High-intensity inspiratory muscle training in bronchiectasis: a randomized controlled trial

Ozge Ozalp (Ankara, Turkey), Deniz Inal-Ince, Aslihan Cakmak, Ebru Calik-Kutukcu, Melda Saglam, Sema Savci, Naciye Vardar-Yagli, Lutfi Coplu, Jale Karakaya, Hulya Arkan

Effects of inspiratory muscle training on the sensation of dyspnea in patients with pulmonary hypertension group I and IV - Randomized controlled clinical trial

Fabricio Farias da Fontoura (Porto Alegre (RS), Brazil), Gabriela Roncato, Guilherme Watte, Fernanda Brum Spilimbergo, Gisela Martina Bohns Meyer, Katya Rigatto, Danilo Cortozi Berton

14:45 - 16:45

Poster discussion: New insights in the management of chronic respiratory failure

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care Epidemiology Physiology

Chairs : Raluca Mihaela Bercea (Kolnes, Norway), Stephan Waltersbacher (Allensbach, Germany)

Individually customized settings can extend the use of mechanical assisted cough in amyotrophic lateral sclerosis

Tiina Andersen (Bergen, Norway), Astrid Sandnes, Ove Fondenenes, Thomas Halvorsen, Ole-Bjørn Tysnes, John-Helge Heimdal, Hege Clemm, Maria Vollsæter, Ola Drange Røksund

Accuracy of built-in software for the detection of residual apneic events occurring during non-invasive ventilation.

Elena Lindemann (Nürnberg, Germany), Maxime Patout, Elodie A. Lhuillier, Gill Arbane, Nicholas Hart, Patrick B. Murphy

Effects of nocturnal Non-Invasive Ventilation (NIV) with automatic tailoring of Positive End Expiratory Pressure (PEEP) on gas exchange and patient-ventilator interaction in COPD (Chronic Obstructive Pulmonary Disease)

Ilaria Milesi (Milano (MI), Italy), Roberto Porta, Michele Vitacca, Simona Cacciatore, Luca Barbano, Raffaele Dellacà

Generic longitudinal and real-time cloud-based monitoring for hospital- and home-based non-invasive ventilation – a Proof-of-Concept study

Gabriel Benz (Winterthur, Switzerland), Bernarde Schillig, Daniel Wattenhofer, Franz Michel, Martin Brutsche

Effectiveness of humidified and warmed High Flows Nasal Oxygen (HFNO) in frequently exacerbating COPD patients.

Antonio Di Sorbo (Caiazzo (CE), Italy), Mariano Mazza, Assunta Micco, Angelo Romano, Gaetano Beatrice, Mario Del Donno

Nasal vs oronasal interface during exercise under noninvasive ventilation in COPD: A randomized cross-over study

Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Francis-Edouard Gravier, Clément Médinal, Guillaume Prieur, Catherine Tardif, Jean-François Muir, Antoine Cuvelier, Gregory Reyckler, David Debeaumont, Catherine Viacroze

2-way remote monitoring in adaptive mode allows effective and realistic provision of home Non-Invasive Ventilation(NIV) to patients with severe COPD

Grace McDowell (Glasgow (Glasgow), United Kingdom), Hannah Toellner, Duncan Macfarlane, Robin Tourish, Christopher Canavan, Aileen Brown, Heather Ambler, Christopher Carlin

Remote monitoring of home non-invasive ventilation: a feasibility study

Annabel H. Nickol (Oxford (Oxfordshire), United Kingdom), Julie Young, Nichola Ashforth, Katherine Price, Alex Wilson

Exploring experiences and views of patients, their carers and health care professionals (HCP) on using modems in managing patients receiving home non-invasive ventilation (NIV): a qualitative study

Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Martin Wood, Francesca Gowing, Swapna Mandal

Patients' expectations for a new lightweight portable noninvasive ventilator for shortness of breath

Jean Christian Borel (Meylan, France), Annabelle Couillard, Charles Aguirre, Matthieu Lesgoirres, François Arbib, Martial Desflaschelles, Thibaut Gentina, Christophe Brousse, Mohammad Chakra, Yoann Thibout, Philippe Tarodo, Michele Bognie, Emmanuel Courau, Christophe Raspaud, Patrice Ray, Alain Proust, Nathalie Plouvier, Christophe Pison, Jean Louis Pepin

Clinical utility of the respiratory center response to hypercapnia in OHS patients

Ines Ruiz Alvarez (Oviedo, Spain), Ramon Fernandez Alvarez, Gemma Rubinos Cuadrado, Marta Iscar Urrutia, Maria Jose Vazquez Lopez, Francisco Rodriguez Jerez, Tamara Hermida Valverde, Pere Casan Clara

Long-term tracheostomy ventilation in the community: characteristics of a UK cohort

Patrick B. Murphy (Oxted (Surrey), United Kingdom), Patrick Bradley, Kelly Stewert, Nicholas Skipper, Leonor Meira, Michelle Ramsay, Eui-Sik Suh, Joerg Steier, Philip Marino, Nicholas Hart

AVAPS-AE vs. ST mode: A randomised controlled trial in patients with obesity hypoventilation syndrome

Maxime Patout (Mont-Saint Aignan, France), Frédéric Gagnadoux, Claudio Rabec, Wojciech Trzepizur, Marjolaine Georges, Christophe Perrin, Renaud Tamisier, Claudia Llontop, Frédéric Goutorbe, Cherifa Gounane, Sandrine Pontier-Marchandise, Pierre Cervantes, Vanessa Bironneau, Adrianna Portmann, Jacqueline Delrieu, Jean-François Muir, Antoine Cuvelier

Psychiatric Pathology and non-invasive ventilation.

Virginia Almadana Pacheco (Sevilla, Spain), Rafael Perera, Cristina Benito, Ana Gómez-Bastero, Agustín Valido

The cost benefit of initiating domiciliary Non-invasive Ventilation (NIV) as an outpatient is accompanied by good clinical outcomes for hypercapnic Chronic Obstructive Pulmonary Disease (COPD) patients

Charlotte Tai (London, United Kingdom), Noor Madhi, Georgia Whitlow, Katharine Martin, Sandip Banerjee

Home Noninvasive Ventilation with Built-in Software in Chronic Hypercapnic COPD Patients: a Mid-term Prospective, Multicenter, Randomized, Controlled Trial

Lili Guan (Guangzhou, China), Luqian Zhou, Rongchang Chen

Expiratory slope variations induce physiological changes in stroke volume during non invasive ventilation in hyperinflated COPD patients

Bouchra Lamia (Rouen- Le Havre, France), Olivier Pasquier, Sandrine Pontier, Arnaud Prigent, Claudio Rabec, Jesus Gonzalez-Bermejo

Results from UK HOT-HMV Trial: Clinical importance of recovery of hypercapnia following acute life-threatening exacerbation of COPD

Patrick B. Murphy (Oxted (Surrey), United Kingdom), Gill Arbane, Maxime Patout, Nick Hart

14:45 - 16:45

Poster discussion: Lung cancer: from early diagnosis to modern monitoring strategies

Disease(s) : [Airway diseases](#) [Thoracic oncology](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : General respiratory patient care Public health Imaging Epidemiology Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Agata Raniszewska (Warszawa, Poland)

Commuting in Los Angeles: lung cancer health risks of roadway, light-rail and subway transit routes

Constantinos Sioutas (Los Angeles, United States of America), Christopher Lovett, Farimah Shirmohammadi, Mohammad H. Sowlat

Genetic susceptibility, residential radon and lung cancer risk in never smokers. Results from the LCRINS Study

María Torres-Durán (Vigo (Pontevedra), Spain), María Lorenzo-González, Isaura Parente-Lamelas, Virginia Leiro-Fernandez, José Abal-Arca, Carmen Montero-Martínez, Olalla Castro-Añón, Mariano Provencio-Pulla, Iria Vidal-García, Antonio Golpe-Gomez, Cristina Martinez, Roxirys Guzman-Taveras, Margarita Amenedo-Gancedo, Alberto Fernandez-Villar, Juan Miguel Barros-Dios, Alberto Ruano-Ravina

Novel non invasive early detection of lung cancer using liquid immunobiopsy metabolic activity profiles.

Yochai Adir (Haifa, Israel), Shoval Tirman, Eyal Davidovits Davidovits, Irit Arbel, Giora Davidovits, Sonia Schneer, Michal Shteinberg, Fernando Patolsky

Liquid biopsy for EGFR mutations in non-small cell lung cancer cases by RT-PCR

Altug Koc (Izmir, Turkey), Tuncay Goksel, Berna Komurcuoglu, Ozge Ozer Kaya, Berk Ozyilmaz, Pinar Gursoy, Yasar B. Kutbay, Ozgur Kirbiyik, Taha Resid Ozdemir, Kadri Murat Erdogan, Merve Saka Guvenc, Gizem Calibasi Kocal, Yasemin Baskin

The use of electronic nose technology for the detection of Lung Cancer (LC): analysis of exhaled volatile compounds by Aeonose®

Ekaterina Krauss (Giessen, Germany), Jana Zoelitz, Jasmin Wagner, Guillermo Barretto, Maria Degen, Werner Seeger, Andreas Guenther

Breath analysis by ion mobility spectrometry allows to discriminate COPD from lung cancer patients.

Lisa Brusselmans (Antwerpen, Belgium), Kevin Lamote, Jan Van Meerbeeck

Early detection of lung cancer in patients with COPD by eNose technology

Rianne de Vries (Amsterdam, Netherlands), J. W. F. Dagelet, Frans H. C. De Jongh, Johannes H. H. C. In 'T Veen, Eric G. Haarman, Paul Baas, Michel M. Van Den Heuvel, Anke-Hilse Maitland-Van Der Zee, Peter J. Sterk

Detecting subtypes of non-small cell lung cancer by electronic nose.

Sharina Kort (Enschede, Netherlands), Mayke Tiggeloven, Marjolein Brusse-Keizer, Hugo Schouwink, Frans De Jongh, Emanuel Citgez, Jan Willem Gerritsen, Job Van Der Palen

Detection of small cell lung cancer by electronic nose.

Sharina Kort (Enschede, Netherlands), Marjolein Brusse-Keizer, Hugo Schouwink, Frans De Jongh, Emanuel Citgez, Jan Willem Gerritsen, Job Van Der Palen

Simultaneously detected nodules in lung cancers

Seda Beyhan Sagmen (Istanbul, Turkey), Coskun Dogan, Nesrin Koral, Elif Torun Parmaksiz, Omer Zengin, Ali Fidan, Sevdal Sener Comert

Preliminary results of a french pilot trial of lung cancer screening by low dose CT scan in the department of the Somme (DKP80).

Olivier Leleu (Abbeville Cedex, France), Estelle Hoguet, Caroline Clarot, Mickael Baud, Elodie Barras, Valerie Petigny, Nicolas Benoit, Marianne Auquier, Bruno Chauffert, Pascal Berna, Vincent Jounieaux

Willingness to participate in lung cancer screening program according to USPSTF guidelines recommendations

Narjes Zarei jalalabadi (Tehran, Islamic Republic of Iran), Enayat Safavi, Soheil Peyman

Chest CT reporting with nodule-tinted spectacles; does it affect nodule/lung cancer services?

Denny Tsakir (Plovdiv, Bulgaria), Nefeli-Ioanna Paizi, Georgia Hardavella

'E-Noting Nodulomics': Automating Electronic Clinical Data Mining and Analysis of Pulmonary Nodules Using a Python Algorithm

Richard Lee (London, United Kingdom), Rory Morrice, Georgia Hardavella

Automated Python Algorithm Analysis of Benign Pulmonary Nodules Discharged after 2 years Surveillance

Richard Lee (London, United Kingdom), Rory Morrice, Sa Tran, Georgia Hardavella

Recommendation of proper follow-up for peripheral pulmonary lesions with non-malignant result by bronchoscopy

Masahiro Higashiyama (Tokyo, Japan), Yuji Matsumoto, Toshiyuki Nakai, Midori Tanaka, Takaaki Tsuchida

Improved overall survival after late recurrence of lung cancer following the introduction of CT-based follow-up for patients treated with curative intent

Niels-Chr. G. Hansen (Odense C, Denmark), Stefan S. Jeppesen, Christian B. Laursen, Erik Jakobsen

14:45 - 16:45

Oral presentation: Educational tools to improve your practiceDisease(s) : **Airway diseases** **Respiratory infections** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Imaging Public health

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany)

14:45 Education and training in lung ultrasound: a systematic review

Pia Iben Pietersen (Odense C, Denmark), Kristian R. Madsen, Ole Graumann, Lars Konge, Bjørn U. Nielsen, Christian B. Laursen

15:00 Interprofessional education (IPE) for respiratory care in neuromuscular disease (NMD) is feasible, and improves confidence in clinical practice

Alanna Hare (London, United Kingdom), Michelle Chatwin, Deborah Field, Hui-Leng Tan, Anita Simonds

15:15 Comparative analysis of Respipedia, Nupedia and Wikipedia. Is it possible for Respipedia to avoid Nupedia's fate?

Piotr Napora (Wrocław, Poland), Sylwia Szromba, Piotr M. Napora

15:30 The role of mobile apps in allergic respiratory diseases: an Italian survey report

Carlo Lombardi (Roma (RM), Italy), Matteo Bonini, Giovanni Passalacqua

15:45 Development of a shared decision-making tool to support patients and their healthcare provider in choosing the best inhaler device

Esther I. Metting (Groningen, Netherlands), Lise Van Dijk, Halima El Messlaki, Jos Luers, Janwillem Kock

16:00 Reframing asthma and inhaled corticosteroids (ICS) to modify treatment beliefs: an online randomised controlled trial

Caroline B. Katzer (London, United Kingdom), Vari Wileman, Amy H. Y. Chan, Stephanie J. C. Taylor, Rob Horne

- 16:15 The Pulmonary Passport: Uptake of a regional electronic procedure logbook in Respiratory Medicine**
Maryam Ahmed (Wolverhampton (West Midlands), United Kingdom), Tarek Saba, Tracy Duncan, Seamus Grundy, Matthew Evison

14:45 - 16:45

Oral presentation: Variant forms of asthma**Disease(s) :** Airway diseases**Method(s) :** Epidemiology Physiology Cell and molecular biology**Chairs :** Rachel Nadif (Villejuif, France), Stefan Blaas (Regensburg, Germany)

- 14:45 Investigating the role of smoking in the development of aspirin-exacerbated respiratory disease**
Hiroaki Hayashi (Sagamihara (Kanagawa prefecture), Japan), Yuma Fukutomi, Chihiro Mitsui, Kentaro Watai, Maki Iwata, Kisako Nagayama, Yuto Nakamura, Yuto Hamada, Kai Ryu, Yasuhiro Tomita, Yosuke Kamide, Kiyoshi Sekiya, Takahiro Tsuburai, Akio Mori, Yoshinori Hasegawa, Masami Taniguchi
- 15:00 Special phenotypes of obesity at young patients with bronchial asthma**
Irina Soloveva (Krasnoyarsk (Krasnoyarsk), Russian Federation), Irina Demko, Elena Sobko, Angelina Kraposhina, Natalia Gordeeva, Svetlana Chubarova, Marina Mamaeva
- 15:15 Improving GINA adoption by designing a mobile based clinical decision support system**
Marsa Gholamzadeh (Tehran, Islamic Republic of Iran), Hamidreza Abtahi, Shahideh Amini, Zahra Taleb
- 15:30 Association between the GLCCI1 variant and response to inhaled corticosteroids in South Vietnamese asthmatics**
Hai Thanh Ngo Nguyen (H Chí Minh, Vietnam), Van Ngoc Tran, Anh Vu Hoang

14:45 - 16:45

Oral presentation: Clinical trials in COPD: new results**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care**Chairs :** Kenneth R. Chapman (Toronto (ON), Canada), Marija Vukoja (Sremska Kamenica, Republic of Serbia)

- 14:45 COPD exacerbations in the phase 3 revefenacin clinical trial program**
James F. Donohue (Chapel Hill, United States of America), Sanjay Sethi, Craig N. Barnes, Edmund J. Moran, Srikanth Pendyala, Glenn Crater, Brett Haumann
- 15:00 Pharmacodynamic and pharmacokinetic results after repeated doses of AZD8871 in COPD patients**
Ioannis Psallidas (Oxford, United Kingdom), Carol Astbury, Lali Jimenez, Ulrika Walby Hamren, Beatriz Seoane, Marie-Pierre Malice, Victor Balaguer, Alejandra Lei, Ajay Aggarwal, Dave Singh
- 15:15 Early Clinically Important Improvement (ECII) and exacerbation outcomes in the FLAME study**
Konstantinos Kostikas (Basel, Switzerland), Alexander J. Mackay, Claus F. Vogelmeier, Stefan-Marian Frent, Pascal Pfister, Pritam Gupta, Donald Banerji, Francesco Patalano, Jadwiga A. Wedzicha
- 15:30 Single inhaler triple therapy in patients with COPD: response rates in health-related quality of life in the IMPACT Trial**
Maggie Tabberer (Uxbridge (Middlesex), United Kingdom), Christine Elaine Jones, Sally Kilbride, Gerard J Criner, Peter Lange, Meilan K Han, Fernando Martinez, David A Lipson
- 15:45 Reduction in fatal events with extrafine inhaled corticosteroid (ICS)-containing medications: results of stratified safety pooled analysis of the TRILOGY, TRINITY and TRIBUTE studies.**
Mario Scuri (Parma (PR), Italy), Leonardo Fabbri, Dave Singh, Nicolas Roche, Massimo Corradi, Alessandro Guasconi, Isabella Montagna, Géraldine Cohuet, Catherine Francisco, Stefano Vezzoli, Stefano Petruzzelli, Alberto Papi
- 16:00 Economic and quality of life consequences of clinically important deterioration in patients with COPD: results from the TORCH study**
Afisi Ismaila (Cary, United States of America), Maurice Driessen, Andrew Briggs, Nancy Risebrough, Ian Naya, Necdet Gunsoy, Victoria Paly
- 16:15 KRONOS: 24-week study of triple fixed-dose combination budesonide/glycopyrronium/formoterol (BGF) MDI via co-suspension delivery technology vs glycopyrronium/formoterol (GFF) MDI, budesonide/formoterol (BFF) MDI and BFF inhalation powder in COPD**
Gary T. Ferguson (Farmington Hills, United States of America), Klaus F. Rabe, Fernando J. Martinez, Leonardo M. Fabbri, Chen Wang, Masakazu Ichinose, Eric Bourne, Shaila Ballal, Kiernan Deangelis, Magnus Aurivillius, Paul Dorinsky

14:45 - 16:45

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

Disease(s) : Airway diseases

Method(s) : Physiology Cell and molecular biology General respiratory patient care

Chairs : Frits M.E. Franssen (Horn, Netherlands), Guido Vaghegini (Volterra (PI), Italy)

- 14:45** **Early pulmonary rehabilitation after acute exacerbation of COPD**
Jakob Lyngby Kjaergaard (Brønshøj, Denmark), Carsten B. Juhl, Mette Rosenberg, Hanne Rohde, Henny Riber, Linda Poulsen, Torgny Wilcke
-
- 15:00** **Exercise improves physical activity and comorbidities in obese adults with asthma**
Patricia Duarte Freitas (São Paulo (SP), Brazil), Aline G Silva, Palmira G Ferreira, Analuci Da Silva, João M Salge, Regina M Carvalho-Pinto, Alberto Cukier, Claudia M Brito, Márcio C Mancini, Celso R F Carvalho
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- 15:15** **Effectiveness of Pulmonary Rehabilitation for Patients with Asthma: EPRA-RCT**
Konrad Schultz (Bad Reichenhall, Germany), Michael Wittmann, Rupert Wagner, Nicola Leibert, Larissa Schwarzkopf, Boglaka Szentes, Dennis Nowak, Hermann Faller, Michael Schuler
-
- 15:30** **Pericyte coverage of skeletal muscle capillaries is impaired during training-induced angiogenesis in COPD patients**
Léo Blervaque (Montpellier CEDEX 5, France), Pascal Pomiès, Matthias Catteau, Emilie Passerieux, Bronia Ayoub, Marine Blaquière, Lisa Ducros, Francois Bughin, Nicolas Molinari, Jacques Mercier, Maurice Hayot, Fares Gouzi, University of Patras,Rio), Maria Opoloioiu (mopoloioiu@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Magda Spella (magasp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Sebastian Marwitz (smarwitz@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL),Borstel), Torsten Goldmann (tgoldmann@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL),Borstel), Vasiliki Bravou (vibra@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras,Rio), Georgios T. Stathopoulos (gstathop@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras,Rio)
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- 15:45** **Unbiased analysis of skeletal muscle molecular responses upon pulmonary rehabilitation in advanced COPD**
Anita Kneppers (Maastricht, Netherlands), Roy Haast, Ramon Langen, Lex Verdijk, Pieter Leermakers, Harry Gosker, Luc Van Loon, Mitja Lainscak, Annemie Schols
-
- 16:00** **Five-repetition sit-to-stand and mortality in COPD: a prospective cohort study**
Sarah Jones (Berkshire, United Kingdom), Claire Nolan, Suhani Patel, Ruth Barker, Samantha Kon, Michael Polkey, Nicholas Hopkinson, Matthew Maddocks, William Man
-
- 16:15** **Regular extended release morphine for chronic breathlessness: a multi-centre double-blind RCT**
David Currow (Sydney (NSW), Australia), Sandra Louw, Philip Mccloud, Belinda Fazekas, John Plummer, Christine McDonald, Meera Agar, Katherine Clark, Nikki McCaffrey, Amy Abernethy, Magnus Ekstrom

14:45 - 16:45

Oral presentation: Novel immunology-based therapies in asthma and COPD

Disease(s) : Respiratory critical care Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology

Chairs : Apostolos Bossios (Stockholm, Sweden), Marco Idzko (Vienna, Austria)

- 14:45** **IL-37 ameliorates experimental asthma by inhibiting IL-1**
Alexandra Schroeder (Borstel, Germany), Lars Lunding, Christina Vock, Bianca Schaub, Ulrich Zissler, Heinz Fehrenbach, Michael Wegmann
-
- 15:00** **Alamandine reduces eosinophilic inflammation in an experimental model of asthma**
Juliana Gregório (Belo Horizonte, Brazil), Giselle Magalhães, Glória Rodrigues-Machado, Kezia Gonzaga, Aline Oliveira, Fernando Souza-Neto, Barbara Rezende, Vanessa Pinho, Luciola Barcelos, Rafaela Fernandes Da Silva, Robson Santos, Maria Jose Campagnole-Santos

- 15:15 Omalizumab enhances the percentage of GARP cells in both regulatory and terminally differentiated effector Th cells in severe allergic asthmatics**
Juan-José Nieto-Fontarigo (Santiago De Compostela, Spain), Francisco-Javier Salgado-Castro, María-Esther San-José-Capilla, José-Martin Carreira-Villamor, Luís Valdés-Cuadrado, Ana Faraldo-García, Miguel-Angel García-González, Carmen Diego-Roza, Pablo Martin-Lancharro, José-Domingo Moure-González, Tania Liñares-Mata, El-Bahi Takkouche-Souilamas, Pilar Arias, Montserrat Nogueira, Francisco-Javier González-Barcala
- 15:30 Immunogenicity of Mepolizumab in Patients with Severe Eosinophilic Asthma: Experience from the Clinical Development Program**
Hector Ortega (San Diego, United States of America), Erik Meyer, Guy Brusselle, Koichiro Asano, Robert Price, Charlene Prazma, Frank Albers, Steven Yancey, Gerald Gleich
- 15:45 Dupilumab efficacy in asthma patients with comorbid chronic rhinosinusitis or nasal polyposis (CRS/NP) in LIBERTY ASTHMA QUEST**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Linda Ford, Lawrence Sher, Klaus F. Rabe, Hae-Sim Park, Borja G. Cosío, Meredith C. Foster, Heribert Staudinger, Jaman Maroni, Paul Rowe, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanale Akinlade, Neil M. H. Graham, Ariel Teper
- 16:00 Tryptase loss-of-function mutations reduce tryptase expression and predict asthmatic response to anti-IgE therapy**
David Choy (South San Francisco, United States of America), Neil Trivedi, Amy Dressen, Magda Babina, Rahul Ahuja, Tangsheng Yi, Janet Jackman, Guiquan Ji, Jason Hackney, Luz Orozco-Guerra, Diana Chang, George Caughey, Brian Yaspan
- 16:15 Systemic immunological changes following intravenous mesenchymal stromal cell infusion in stable COPD patients**
Jesse Armitage (Perth (WA), Australia), Dino Tan, Russel Troedson, Paul Young, Kay-Vin Lam, Kathryn Shaw, Marian Sturm, Daniel Weiss, Yuben Moodley

14:45 - 16:45**Oral presentation: On the right path: understanding and improving the function of an overloaded right heart ventricle****Disease(s) :** Airway diseases Pulmonary vascular diseases Sleep and breathing disorders**Method(s) :** Imaging Physiology Cell and molecular biology Surgery**Chairs :** Frances S. De Man (Amsterdam, Netherlands), François Potus (Québec (QC), Canada)

- 14:45 Right ventricular mass/volume in PAH: A double edged sword?**
Franz Rischard (Tucson, United States of America), Rebecca Vanderpool, Kelly Wickstrom, Ankit Desai, Sophia Airhart, Ryan Avery, Robert Naeije
- 15:00 Effects of urocortin-2 on cellular Ca²⁺ homeostasis in right heart failure induced by pulmonary artery hypertension**
Rui Miguel Costa Adão (Oliveira de Azeméis, Portugal), Simon C Kraler, Holzer Senka, Adelino Leite-Moreira, Simon Sedej, Carmen Brás-Silva
- 15:15 Allopurinol reduces RV mass in patients with severe COPD**
Patrick Liu Shiu Cheong (Newport-on-Tay, United Kingdom), Brian Lipworth, Jonathan Weir-Mccall, Allan Struthers
- 15:30 The right ventricle function in highlanders with sleep-related respiratory disturbances**
Kubatbek Muratali uulu (Bishkek, Kyrgyzstan), Meerim B Cholponbaeva, Samat A Satybaldiev, Nursultan Baktybek, Aidana T Toktosunova, Abdurashid M Maripov, Akpay Sh Sarybaev
- 15:45 Young males with pulmonary arterial hypertension have a high afterload and low right ventricular ejection fraction at presentation**
Joanne Groeneveldt (Amsterdam, Netherlands), Cathelijne E.E. Van Der Bruggen, Pia Trip, Nico Westerhof, Berend E. Westerhof, Anton Vonk-Noordergraaf, Frances S. De Man
- 16:00 Outcomes of surgical treatment of VSD with pulmonary hypertension**
Sheenam Walia (Chandigarh (Uttar Pradesh), India), Gd Puri, Komal Gandhi, Mk Ganesh, Banashree Mandal

17:00 - 18:00**Assembly members' meeting: Assembly 9 Allied respiratory professionals****Chairs :** Irene Steenbruggen (Zwolle, Netherlands), Martijn A. Spruit (Horn, Netherlands)

17:00 - 18:00

Group members' meeting: Early Career Members' Meeting Assembly Pulmonary Vascular Diseases 13

Chairs : Sheila Ramjug (Altrincham, United Kingdom)

07:00 - 08:15

Challenging clinical cases: CC3 Lung cancer: personalised treatment and palliative care

Aims : to describe a sophisticated treatment for small cell lung cancer and how to integrate palliative care into routine lung cancer care. Both approaches may be suitable for larger patient cohorts.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Dragana M. Jovanovi (Beograd, Republic of Serbia)

Managing the initial treatment and multiple relapses in a small cell lung cancer patient with limited disease

Jair Bar (Tel-Aviv, Israel)

Integration of palliative care from the very beginning to the very end in a patient with metastasised non-small cell lung cancer

Matthias Villalobos (Heidelberg, Germany)

07:00 - 08:15

Challenging clinical cases: CC4 Tuberculosis

Drawing from the experience of the ERS/WHO TB Concilium

Aims : To increase awareness and knowledge of tuberculosis through discussion of challenging cases, including diagnosis, treatment of tuberculosis and co-morbidities in adults and children with a patient centred approach. To allow participants to have their say on selected cases through electronic voting on multiple choice questions.

Disease(s) : Paediatric respiratory diseases Respiratory infections

Method(s) : Public health

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Pathologist, Patient, Physiotherapist, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Raquel Duarte (Porto, Portugal)

Design of tuberculosis treatment regimens for drug-resistant and intolerant patients – patient and clinician perspectives

Simon Tiberi (London, United Kingdom)

Managing adult and children XDR-TB cases with limited clinical options

Adrian Rendon (Monterrey, Mexico)

Disseminated multiorgan tuberculosis

Ana-Marija Sola (Zagreb, Croatia)

Misleading Tuberculosis Cases

Atalay ahin (Diyarbakir, Turkey)

Disseminated tuberculosis in an immunocompetent patient: when the diagnosis is right under the nose

João Nunes Caldeira Marinho Matos (Ponta Delgada, Portugal)

07:00 - 08:15

Challenging clinical cases: CC5 Pulmonary vasculitis: the great chameleon

Aims : In this session, complex cases of ANCA associated vasculitis will be presented and discussed in an interactive fashion. These cases were clinically very difficult, and the session will describe how the diagnosis was made, the radiological and pathological patterns in the case, and the pathogenetic mechanisms that were identified. Brief discussion of treatment options will be presented. The aim is to increase knowledge about the modalities that were used to build up the clinical reasoning and the biological mechanisms that may connect different disorders.

Disease(s) : Interstitial lung diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Radiologist, Pathologist

Chairs : Hilario Nunes (Bobigny, France)

Pulmonary vasculitis presenting as acute diffuse alveolar haemorrhage (DAH)

Sara Colella (Teramo (TE), Italy)

Pulmonary ANCA-associated vasculitis mimicking a lung tumour or diffuse lung metastases (with positive PET-CT scan)

Raphaël Borie (Paris, France)

Lung-limited Granulomatosis with polyangiitis (GPA) managed without immunosuppression

Luis Ribeiro (London, United Kingdom)

Pulmonary vasculitis and malignancy - a great masquerader and diagnostic dilemma

Deepak Kumar Parjapat (Faridabad (Haryana), India)

ANCA Associated Vasculitis in older patients

Valentine Delmotte (Liège, Belgium)

08:00 - 10:20

Skills workshop: SW7 Cardiopulmonary exercise test interpretation - tips and pitfalls**Aims :** to identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.**Disease(s) :** Sleep and breathing disorders**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Pierantonio Laveneziana (Paris Cedex 13, France)**Introduction****Relationship between oxygen uptake and work rate**

Richard Casaburi (Rancho Palos Verdes, United States of America)

Anaerobic/lactate threshold

Susan Ward (Crickhowell, United Kingdom)

Breathing pattern and dynamic hyperinflation

Pierantonio Laveneziana (Paris Cedex 13, France)

Ventilatory efficiency

J. Alberto Neder (Kingston (ON), Canada)

08:00 - 10:20

Skills workshop: SW10 Thoracic ultrasound**Aims :** to provide an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.**Disease(s) :** Thoracic oncology**Method(s) :** Imaging**Tag(s) :** Clinical**Target audience :** Radiologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Najib M. Rahman (Oxford, United Kingdom)**Introduction****Normal thoracic cavity**

Christian B. Laursen (Odense, Denmark), Sophie Laroumagne Dumetre (Marseille, France)

Pleural effusion and/or pleural thickening

Horian Grosu (Houston, United States of America), Gilles Mangiapan (Creteil, France)

Case studies

John Wrightson (Oxford, United Kingdom)

Guided pleural aspiration and lymph node biopsy using models

Rahul Bhatnagar (Bristol, United Kingdom), Anna Bibby (Bristol (Avon), United Kingdom)

08:30 - 10:30

Symposium: New trends in the management of difficult-to-wean patients
Multidisciplinary approach**Aims :** to discuss new trends in the multidisciplinary approach to patients with chronic critical illnesses.**Disease(s) :** Respiratory critical care**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, Nurse, Physiotherapist, Adult pulmonologist/Clinician**Chairs :** João Carlos Winck (Vila Nova de Gaia, Portugal), Lise Piquilloud (Lausanne, Switzerland)**08:30 Prolonged mechanical ventilation - definitions and outcome**
Laurent Brochard (Toronto (ON), Canada)**09:00 Why can my patient not be weaned from the ventilator?**
Leo M.A. Heunks (Amsterdam, Netherlands)**09:30 Evaluation of swallowing dysfunction and treatment with Passy-Muir valve**
Christina Iezzi (London, United Kingdom)**10:00 Challenges associated with whole body rehabilitation in difficult-to-wean patients**
Michele Vitacca (Gussago (BS), Italy)

08:30 - 10:30

Symposium: Cross-talk in the lung microenvironment: implications for chronic lung disease**Aims :** to summarise the novel findings regarding the cross-talk in the lung microenvironment that were discussed at the ERS Research Seminar (February 2018, Berlin). A mechanistic understanding of the cell-cell and cell-microbe communications in the lung microenvironment will promote the development of novel preventative strategies or therapies for chronic lung disease. Therefore, this symposium will focus on different aspects of the cellular communication mechanisms in the lung that participate in health and disease, including communication via soluble factors and the transfer of extracellular vesicles. The influence of microbial factors on these communication mechanisms will also be discussed.**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology**Tag(s) :** Basic science**Target audience :** Allergist, Clinical researcher, Paediatrician, Scientist (basic, translational), Student, Trainee**Chairs :** Sabine Bartel (Borstel, Germany), Reinoud Gosens (Groningen, Netherlands)**08:30 Cellular cross-talk in the airway epithelial mesenchymal trophic unit**
Donna E. Davies (Southampton (Hampshire), United Kingdom)**09:00 Gut-lung cross-talk in chronic respiratory disease**
Philip Hansbro (Callaghan, Australia)**09:30 Early interventions with bacterial metabolites to prevent the development of chronic lung diseases**
Susanne Krauss-Etschmann (Borstel, Germany)**10:00 Extracellular vesicles and their role in lung homeostasis and disease**
Susanne Gabrielsson (Stockholm, Sweden)

08:30 - 10:30

Symposium: Sleep apnoea: is it time for new therapies?**Aims :** to describe new treatment alternatives to continuous positive airway pressure. New pathophysiological phenotyping studies of upper airway function in obstructive sleep apnoea (OSA) have opened the way to new treatment strategies. This session will examine these new possibilities and thereby provide an overview on the current and future developments in the treatment of OSA.**Disease(s) :** Sleep and breathing disorders**Method(s) :** Physiology**Tag(s) :** Clinical**Target audience :** Clinical researcher, Physiologist, Trainee, Adult pulmonologist/Clinician**Chairs :** Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Anita Simonds (London, United Kingdom)

08:30	The physiological phenotypes of OSA - the PALM scale approach Danny Eckert (Randwick (NSW), Australia)
09:00	Can we use drugs to modulate upper airway function in OSA? Luigi Taranto Montemurro (Boston, United States of America)
09:30	Hypoglossal nerve stimulation Olivier M. Vanderveken (Edegem (Antwerp), Belgium)
10:00	Mandibular advancement devices - short- and long-term effects Marie Marklund (Umea, Sweden)

08:30 - 10:30

Symposium: State of the art session: Thoracic oncology

Aims : The 2018 lung cancer state of the art session will provide new perspectives on issues in lung cancer that remain unsolved. The session will start with a profound review of recent findings about tumour biology and then present a comprehensive update on multimodal strategies in three prognosis-determining treatment areas.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Public health Surgery Transplantation

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Giulia Maria Stella (Pavia (PV), Italy), Dimitri Leduc (Bruxelles, Belgium)

08:30	The latest in lung cancer tumour biology Céline Mascaux (Allauch, France)
09:00	Lung cancer and interstitial lung disease Jacques Cadranel (Paris Cedex 20, France)
09:25	Multimodal management of brain metastases in lung cancer Torsten Gerriet Blum (Berlin, Germany)
09:50	Rational approaches to pleural malignancies Jan van Meerbeeck (Edegem (Antwerp), Belgium)
10:15	ERS statement on harmonised standards for lung cancer registration and lung cancer services in Europe Anna Rich (Nottingham (Nottinghamshire), United Kingdom)

08:30 - 10:30

Symposium: Rare lung diseases

Joint ERN-LUNG/ERS symposium

Aims : The ERN-LUNG and the ERS have joined forces to fight rare diseases of the respiratory system. The aim of this joint session is to increase awareness of rare diseases of the respiratory system and to demonstrate the support that the ERN-LUNG can provide in rare lung diseases with respect to clinical care and research, cross-border advice to patients and care team members, cross-border consultations and cross-border referral.

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Public health Transplantation

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Scientist (basic, translational), Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Guy Brusselle (Ghent, Belgium), Marc Humbert (Paris, France)

08:30	Lung transplantation in rare lung diseases: the problem of chronic lung allograft dysfunction (CLAD) Tobias Welte (Hannover, Germany)
09:00	What do patients expect from ERN-LUNG? Gergely Meszaros (Budapest, Hungary)
09:30	From childhood to adulthood: growing up with a rare lung disease such as cystic fibrosis Cornelis Kors van der Ent (Utrecht, Netherlands)

10:00 **Rare diseases registries such as the Rare Lung Disease Registry Data Warehouse**
Holger Storf (Frankfurt, Germany)

08:30 - 10:30

Grand round: Paediatric Grand Round

Aims : To present paediatric cases with respiratory problems and typical and difficult questions. The audience will be engaged in discussions about the best clinical care and will receive an update on paediatric respiratory medicine.

Disease(s) : Paediatric respiratory diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Bart L. Rottier (Groningen, Netherlands), Monika Gappa (Wesel, Germany)

08:30 **A 14-year-old girl with breathlessness**
Theofilos Polychronakis (Cambridge (Cambridgeshire), United Kingdom)

09:00 **A 12-year-old boy with therapy-resistant asthma**
Eva Ter Haar (Wilsele, Belgium)

09:30 **A 6-month-old boy with poor growth and tachypnoea**
Ignacio Iglesias-Serrano (Barcelona, Spain)

10:00 **A 6-day-old girl with tachypnoea and cyanosis**
Kamal Masarweh (, Israel)

08:30 - 10:30

Hot topics: Pulmonary embolism: what we need to know

Aims : Aims: At the end of the session, attendees will be able to: (i) risk stratify patients with acute symptomatic pulmonary embolism (PE); (ii) identify patients with low-risk PE who might benefit from outpatient therapy; (iii) choose the right direct oral anticoagulant for the right patient with acute symptomatic PE; and (iv) identify patients with intermediate-risk PE who might benefit from early recanalisation procedures.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Student, Adult pulmonologist/Clinician

Chairs : Menno Huisman (Aerdenhout, Netherlands), David Jiménez Castro (Madrid, Spain)

08:30 **Helping the pulmonary embolism response team (PERT) determine the severity of PE in triage: guidelines**
Olivier Sanchez (Paris, France)

09:00 **Initial outpatient management of PE: who and how?**
Luke Howard (London, United Kingdom)

09:30 **Update on novel anticoagulants: indications, dosing alternatives and outcomes**
Cecilia Becattini (Perugia (PG), Italy)

10:00 **Advanced therapies for life-threatening PE: low-dose systemic thrombolysis, catheter-directed thrombolysis and extracorporeal membrane oxygenation (ECMO)**
Mareike Lankeit (Mainz, Germany)

08:30 - 10:30

Year in review: Therapeutic breakthroughs Year in Review

Tag(s) : Clinical

Chairs : Eva Van Braeckel (Ghent, Belgium), Raffaele Scala (Arezzo, Italy), Matteo Bonini (London, United Kingdom)

08:30 **High-flow nasal therapy in acute and chronic respiratory failure**
Alexandre Demoule (Paris, France)

09:00 **Tezacaftor-ivacaftor for the treatment of cystic fibrosis: what's next?**
Jane C. Davies (London, United Kingdom)

09:30 **Breathing training and inspiratory muscle training: a go or no go for patients with dyspnoea?**
Daniel Langer (Leuven, Belgium)

10:00 **Pleural disease (with a focus on malignant pleural disease)**
Nick Maskell (Bristol (Avon), United Kingdom)

08:30 - 10:30

Poster discussion: Improving the outcomes of community-acquired pneumonia

Disease(s) : Respiratory infections Respiratory critical care

Method(s) : General respiratory patient care Imaging Cell and molecular biology Epidemiology Respiratory intensive care

Chairs : Marcos I. Restrepo (San Antonio, United States of America), Lieuwe Bos (Amsterdam, Netherlands)

Non-steroidal anti-inflammatory drug use and clinical outcomes of community-acquired pneumonia
Damien Basille (Amiens, France), Reimar Wernich Thomsen, Morten Madsen, Pierre Duhaut, Claire Andrejak, Vincent Jounieaux, Henrik Toft Sørensen

A retrospective survival analysis of nursing and healthcare associated pneumonia in patients with resistant pathogens
Kenji Umeki (Yufu, Japan), Kosaku Komiya, Yuko Usagawa, Yukiko Takeno, Mari Yamasue, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

Hypoxemia as a determinant of hospitalization in patients with Community Acquired Pneumonia
Anantharaj Suresh (Chennai (Tamil Nadu), India), Damodharan Thenmozhi, Gulecha Nayan Sri

Association between clinical profile and etiologic agent of pneumonia
Maria Inês Oliveira Gomes da Costa (Rio Tinto, Portugal), Ana Cipriano, Fabio Videira, Sofia Valdeiros, Ana Machado, Joana Gomes, Miguel Abreu, Helder Bastos

Human metapneumovirus lower respiratory tract infections in adults: chest CT imaging features and their evolution
Lawrence A. Marinari (Bryn Mawr, United States of America), Wallace T. Miller, Jr., Madeline A. Danny

Data from the PROGRESS study - blood gene expression patterns predict severe outcome of community acquired pneumonia
Peter Ahnert (Leipzig, Germany), Holger Kirsten, Sebastian Weis, Elke Grunow, Petra Creutz, Michael Kiehnopf, Markus Löffler, Norbert Suttrop, Markus Scholz, Michael Bauer

Respiratory syncytial virus (RSV) disease in hospitalised adults in Europe: comparison of retrospective patient chart reviews of adults =65 (=65y) and
Odile Launay (Paris, France), Florian Thalhammer, Thomas Harrer, Arnaud Cheret, Guy De La Rosa, Ian Sander, Robert Stolper, Jessica Zakar, Karin Weber

Outcomes characteristics in healthcare-associated pneumonia
Bruno Gil Gonçalves (Lousada, Portugal), Sara Cabral, António Paulo Lopes

Point of care respiratory viral testing (POCT): A novel service to target appropriate antimicrobial prescription and improve antibiotic stewardship.
Kay Roy (St Albans (Hertfordshire), United Kingdom), Katherine Groom, Matthew Knight

Mortality associated factors of patients admitted due to flu during 2015-2016 and 2016-2017
Alberto Mangas Moro (Madrid, Spain), Carlos Javier Carpio Segura, Ester Zamarrón De Lucas, Concepción Prados Sánchez, José Ramón Arribas Peña, Beatriz Díaz Pollán, Rodolfo Álvarez-Sala Walther

The PROGRESS Study - Operationalization of Disease Severity and Prediction of Outcome using the SOFA Score
Petra Creutz (Berlin, Germany), Peter Ahnert, Michael Kiehnopf, Hamid Hossain, Michael Bauer, Uwe Völker, Trinad Chakraborty, Martin Witzernath, Markus Löffler, Markus Scholz, Norbert Suttrop

Broad-spectrum antibiotic use and poor outcomes in community-onset pneumonia
Brandon Webb (Murray, United States of America), Jeff Sorensen, Al Jephson, Ian Mecham, Nathan Dean

ERS guideline compliant antibiotics among hospitalized patients with Community-acquired pneumonia on the ward service
Marcos I. Restrepo (San Antonio, United States of America), Stefano Aliberti

The prognostic value of the Charlson's comorbidity index in patients with bacteremic pneumonia
Seungeon Song (Busan, Republic of Korea), Sang Woo Moon, Se Young Kim, Min Seok Ko, Jin Eun Kim

Risk factors for antibiotic re-administration in patients with pneumonia during hospitalization.

Saori Nishizawa (Iizuka, Japan), Kazunori Tobino, Masanobu Okahisa, Yuki Goto, Kojin Murakami, Takuto Sueyasu, Miyuki Munechika, Kohei Yoshimine

Risk factors for immunosuppression in hospitalized patients coming from the community with pneumonia: a worldwide perspective

Marta Francesca Di Pasquale (Milano (MI), Italy), Giovanni Sotgiu, Andrea Gramegna, Dejan Radovanovic, Silvia Terraneo, Luis F Reyes, Francesco Blasi, Marcos I Restrepo, Stefano Aliberti

Evaluation of nursing and health care-associated pneumonia patients with poor performance status.

Ryosuke Hamanaka (Oita, Japan), Kenji Umeki, Kosaku Komiya, Yuko Usagawa, Mari Yamasue, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

Validation of C-Reactive protein and CURB-65 in the first hospital admission community acquired-pneumonia patient as a predictor of 30 days mortality

Borries Foresto Buharman (Bogor, Indonesia)

08:30 - 10:30

Poster discussion: Let's interact and discuss the hot topics in pulmonary rehabilitation

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Physiology Public health

Chairs : Sally J. Singh (Leicester (Leicestershire), United Kingdom), Carlos Augusto Camillo (Londrina (PR), Brazil)

Effect of Pulmonary Rehabilitation on physical and mental status in cognitively impaired patients with COPD

Vasileios Andrianopoulos (Schönau am Königssee, Germany), Rainer Gloeckl, Tessa Scheeberger, Ioannis Vogiatzis, Rembert Koczulla, Klaus Kenn

Effects of pulmonary rehabilitation in patients with asthma

Dinette E. Agterhuis (Maastricht, Netherlands), Frits Franssen, Martijn Spruit, Lennart Conemans, Emiel Wouters, Lowie Vanfleteren

Upper and lower limb muscle strength in idiopathic interstitial pneumonias (IIP).

Suhani Patel (Harefield, United Kingdom), Claire Nolan, Matthew Maddocks, Ruth Barker, Sarah Jones, Peter George, Felix Chua, Toby Maher, William D-C Man

Holistic services for chronic breathlessness in people with advanced disease: a systematic review and meta-analysis

Sophie Miller (London, United Kingdom), Lisa Brighton, Morag Farquhar, Sara Booth, Deokhee Yi, Wei Gao, Sabrina Bajwah, William D-C Man, Irene J Higginson, Matthew Maddocks

Comprehensive comparison of the repeatability of the most commonly employed tests of exercise performance for patients with stable COPD. An observational study.

Theresa Harvey-Dunstan (Leicester (Leicestershire), United Kingdom), Ruth M Tal-Singer, Michael I Polkey, Alan L Hamilton, Michael C Steiner, Michael D Morgan, Sally J Singh

Sertraline in symptomatic chronic breathlessness: a double blind, randomised trial

David Currow (Sydney (NSW), Australia), Sandra Louw, Julie Hill, Belinda Fazekas, Katherine Clark, Patricia Davidson, Christine McDonald, Dimitar Sajkov, Nikki McCaffrey, Matthew Doogue, Amy Abernethy, Meera Agar

Is attendance and completion of a pulmonary rehabilitation programme associated with patient activation?

Shauna Sheridan (London, United Kingdom), Eliana Guedes, Laura Moth, Lynn McDonnell, Leyla Osman

A RESPIRATORY TELEREHABILITATION PROGRAM AS MAINTENANCE IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

Juan Bautista Galdiz Iturri (Getxo (Vizcaya), Spain), Alba Gomez, Rosa Guell, Pilar Cebollero, Diego Rodriguez, Pilar Cejudo, Susana Chic, Marta Iscar, Juan Aguero, Itxaso Sayago, Gema Rodriguez Castro, Borja Cosio, Jose Ignacio Pijoan

Exercise training and airway inflammation in severe-asthma: results from a feasibility study

Sally Majd (Leicester (Leicestershire), United Kingdom), Sally Singh, Peter Bradding, Stacey Hewitt, Lindsay Apps, Anna Murphy, Ruth Green, Rachael Evans

Predictors for adherence to COPD exacerbation action plans

Anke Lenferink (Oldenzaal, Netherlands), Job Van Der Palen, Laura Bosman, Paul Van Der Valk, Peter Frith, Tanja Effing

Simple quadriceps strength measurement in COPD using a fixed dynamometer. Determination of the minimal important difference after a pulmonary rehabilitation program.

Trija Vaidya (NANTES, France), Marc Beaumont, Claire De Bisschop, Lucie Bazerque, Camille Le Blanc, Anne Vincent, Hakima Oukssel, Arnaud Chambellan

What is the best frequency of exercise training in patients with moderate-to-severe COPD ?

Mara Paneroni (Mazzano (BS), Italy), Antonio Spanevello, Elisabetta Zampogna, Mauro Carone, Vito Spinelli, Bruno Balbi, Stefano Belli, Mauro Maniscalco, Mariarosaria Guarente, Carla Simonelli, Michele Vitacca

A randomised crossover trial investigating the effect of a portable positive pressure ventilation device on exercise tolerance in patients with COPD

Steve Cutts (London, United Kingdom), Amanda Burls, Kola Akinlabi, John R Hurst, Swapna Mandal, Stephanie K Mansell

Impact of promotion of physical activity supported by mobile technology on behavioral changes

Erik Baltaxe (Barcelona, Spain), Anael Barberan-Garcia, Felip Burgos, Carmen Hernandez, Carmen Herranz, Akos Tenyi, Josep Roca, Isaac Cano

Body composition and mortality in idiopathic pulmonary fibrosis (IPF): a prospective cohort study.

Suhani Patel (Harefield, United Kingdom), Claire Nolan, Ruth Barker, Sarah Jones, Matthew Maddocks, Peter George, Felix Chua, Toby Maher, William D-C Man

Benefits of pulmonary rehabilitation on ILD patients: a comparison between two types of training

Mélina Lalande Gauthier (Montréal (QC), Canada), Marilyn Houle-Péloquin, Benoit Sauvageau, Alain-Steve Comtois, Julie Morisset, Claude Poirier

Benefits of pulmonary rehabilitation program in patients with persistent asthma

Tajana Jaluši Glun i (Zagreb, Croatia), Latinka Basara, Andrea Vuki Dugac, Ana He imovi , Marija Bajutti, Miroslav Samaržija

Efficacy of Costal Mobilization technique and Manual diaphragm release technique in the ventilatory mechanics of COPD: a randomized clinical trial

Helena Rocha (Recife, Brazil), Rodrigo Viana, Catarina Rattes, Daniella Brandao, Taciano Rocha, Luciana Alcoforado, Verônica Parreira, Raquel Britto, Guilherme Fregonezi, Armêlo Dornelas De Andrade

08:30 - 10:30

Poster discussion: The many facets of respiratory nursing

Disease(s) : Interstitial lung diseases Airway diseases Sleep and breathing disorders Thoracic oncology Respiratory infections

Method(s) : General respiratory patient care Public health Epidemiology

Chairs : Saskia W. M. Weldam (Utrecht, Netherlands), Chair to be confirmed

Effectiveness of a hand-held fan for managing dyspnoea in patients with interstitial lung disease

Nicola Cassidy (Dublin 5, Ireland), Petra Grehan, Irene Byrne, Gemma O'Dowd, Jim J Egan

The factors influencing COPD self-care: a mixed methods study

Marco Clari (Torino (TO), Italy), Dhurata Ivziku, Maria Matarese

ECare-COPD. Self-management promotion in people with COPD: training programme

Miguel Padilha (Porto, Portugal), Paulo Machado, Ana Ribeiro, José Ramos

Preventative care and home treatment in patients at risk of hospitalisation due to exacerbation of COPD.

Birgit Refsgaard Iversen (Århus C, Denmark), Lotte Ørneborg Rodkjær, Vibeke Bregnballe, Anders Løkke Ottesen

Illness representations and coping strategies during exacerbation of COPD: A qualitative descriptive study.

elizabeth chin (MATTAPOISETT, United States of America)

Dyadic Symptom Management in Chronic Obstructive Pulmonary Disease

Dhurata Ivziku (Roma (RM), Italy), Marco Clari, Maria Matarese

Are symptoms experienced by patients admitted with COPD documented by health professionals? - A survey

Charlotte Sandau Bech (Fredensborg, Denmark), Dorthe Bove, Kristoffer Marså, Matias Greve Lindholm

Symptomatic GORD in difficult asthma is associated with worse asthma control and related comorbidities: Findings from WATCH

Yvette Thirlwall (Southampton (Hampshire), United Kingdom), Kamran Tariq, Heena Mistry, Adnan Azim, Clair Barber, Kimberley Bentley, Colin Newell, Hans Michael Haitchi, Ratko Djukanovic, Ramesh Kurukulaarachy

Asthma control is associated with smoking status: Findings from WATCH

Yvette Thirlwall (Southampton (Hampshire), United Kingdom), Clair Barber, Adnan Azim, Heena Mistry, Matt Harvey, Colin Newell, Judit Varkonyi-Sepp, Hans Michael Haitchi, Paddy Dennison, Ramesh Kurukulaarachy

Dyspnoea perception and FEV1 decline during Sputum Induction in Healthy Controls and COPD patients

Pedro Rodrigues (Southampton (Hampshire), United Kingdom), Kristoffer Ostridge, Karl Staples, Kerry Gove, Sarah Bawden, Tom Wilkinson

Description of inhalation technique in patients with COPD in primary care

Annika Lindh (Karlstad, Sweden), Kersti Theander, Mats Arne, Karin Lisspers, Lena Lundh, Hanna Sandelowsky, Björn Stållberg, Eva Thors Adolfsson, Elisabeth Westerdahl, Ann-Britt Zakrisson

Investigation the Effects of Smoking on sleep Quality and Sleep Apnea During Elderly

Selman celik (Istanbul, Turkey), Hediye Arslan Ozkan

Health status among adult asthmatics – a population-based study

Caroline Stridsman (Luleå, Sweden), Helena Backman, Britt-Marie Eklund, Linnea Hedman, Eva Rönmark

Holistic needs assessment (HNA) in lung cancer patients; bridging health and social care

mary mambwere (London, United Kingdom), Sarah Kerr, Georgia Hardavella

Nurse led lung cancer diagnostic/supportive follow up clinic;a different approach to optimise lung cancer pathway

Sarah Kerr (London, United Kingdom), Mary Mambwere, Georgia Hardavella

Self-reported health in adolescents with exercise induced laryngeal obstruction

Merete Benestad (Bergen, Norway), Bente Vederhus, Jorun Drageseth, Hege Clemm, Thomas Halvorsen

The development of an instrument to assess the needs of people with COPD: a Delphi study

Marco Clari (Torino (TO), Italy), Riccardo Casciaro, Dhurata Ivziku, Maria Matarese

Perceptions of the role of the respiratory Clinical Research Nurse.

Katherine Huband (Southend-on-Sea (Essex), United Kingdom), Rebecca Dobra, Adam Lewis, Alan Simpson

08:30 - 10:30

Poster discussion: Clinical determinants and biomarkers of COPD

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Public health

Chairs : Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Eduardo Márquez Martín (Sevilla, Spain)

Adding budesonide to formoterol reduces risk of clinically important deteriorations (CID) in moderate to very severe COPD

Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Dave Singh, Christine Jenkins, Stefan Peterson, Thomas Bengtsson, Peter Wessman, Malin Fagerås

Prognostic significance of obstruction severity in COPD patients admitted to coronary artery bypass grafting.

Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin

The effect of conjugated linoleic acid supplementation on the serum level of Adiponectin in COPD patients

Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Ali Nemati, Maryam Zolfaghari, Somaieh Matin, Mohammad-Reza Aslani

Elevated Serum Levels of Heart-type Fatty Acid Binding Protein in Stable COPD

Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Mohammad-Rezam Aslani, Khadijeh Sarikhani, Saeid Hosseininia, Saeid Sadeghieh-Ahari

Monitoring antioxidant enzyme activity in patients with COPD exacerbations

Balazs Antus (Budapest, Hungary), Csilla Paska, Imre Barta

GOLD ABCD assessment tool: Comparison of 2013 and 2017 classifications in the UK Clinical Practice Research Datalink (CPRD)

Alexander Mathioudakis (Manchester, United Kingdom), Jorgen Vestbo, Alicia Gayle, Scott Dickinson, Kevin Morris, Samantha Webster, Chris Poole

Serum amyloid A in patients with stable chronic obstructive pulmonary disease

Marta Maskey-Warz chowska (Warszawa, Poland), Renata Rubinsztajn, Tadeusz Przybyowski, Krzysztof Karwat, Patrycja Nejman-Gryz, Ryszarda Chazan

Relationship between Volatile Organic Compounds (VOCs) in exhaled breath determined by Proton Transfer Reaction Time of Flight Mass Spectrometry (PTR-TOF-MS), clinical characteristics and airway inflammation in COPD

Liesl Carr (Leicester (Leicestershire), United Kingdom), Luke Bryant, Ahmed Yousuf, Rebecca Cordell, Michael Wilde, Salman Siddiqui, Paul Monks, Christopher Brightling

Treatment response in COPD – does FEV1 say it all? An analysis of the CRYSTAL trial

Timm Greulich (Marburg, Germany), Claus F. Vogelmeier, Alexander Mackay, Nadine Lossi, Maryam Aalamian-Mattheis, Xavier Nunez, Veronica Anna Pagano, Francesco Patalano, Andreas Clemens, Konstantinos Kostikas

Longitudinal measurements of blood eosinophils in relation to COPD outcomes

Jens Ellingsen (Uppsala, Sweden), Christer Janson, Kristina Bröms, Karin Lisspers, Björn Stållberg, Marieann Högman, Andrei Malinowski

Eosinophils and acute exacerbation of COPD: a potent biomarker for patients at increased risk. Preliminary reports.

Evgenia Papathanassiou (ATHENS, Greece), Andriana Papaioannou, Georgios Hillas, Eleftheria Mizi, Petros Bakakos, Vasiliki Apollonatos, Galateia Verykokou, Nikos Roussakis, Zoi Tsilogianni, Konstantinos Kostikas, Spyros Papiris, Stylianos Loukides

Impact of Eosinophilia and Time on Lung Function Decline in Adult Asthma

Florence Schleich (Liège, Belgium), Sophie Graff, Catherine Moermans, Renaud Louis

EOSINOPHIL COUNT AND FeNO AS PREDICTORS OF EXACERBATIONS IN COPD

Bernardino Alcazar Navarrete (Cájar, Spain), Oliverio Ruiz Rodriguez, Pablo Conde Baena, Pedro J Romero Palacios

Determinants of FENO in COPD with regard to current smoking

Marieann Högman (Uppsala, Sweden), Christer Janson, Karin Lisspers, Kristina Bröms, Björn Stållberg, Andrei Malinowski

Use of Inhaled corticosteroid (ICS)-containing regimen for COPD patients with high or low blood eosinophilia: A meta-analysis

Jamie Chua (Caloocan City, Philippines), Albert Albay, Mithi Kalayaan Zamora

COPD: Are beliefs about inhaled medication associated with patients' inhaler technique?

António Manuel Silva Duarte De Araújo (Braga, Portugal), Pedro Teixeira, Venceslau Hespanhol, Jaime Correia-De-Sousa

Overexpression of chitotriosidase and YKL-40 in serum and sputum in healthy smokers and patients with chronic obstructive pulmonary disease

Sebastian Majewski (Stryków, Poland), Damian Tworek, Karolina Szewczyk, Zofia Kurmanowska, Justyna Kiszka kiewicz, Ewa Brzezinska-Lasota, Hanna Jerczyńska, Wojciech Piotrowski, Paweł Górski

Significance of serum YKL-40, S100A8, S100A9, calprotectin, periostin and LRG1 levels in patients with newly diagnosed, controlled and uncontrolled asthma

Bilun Gemicioglu (Istanbul, Turkey), Ozgur Yasar, Tulay Akcay

08:30 - 10:30

Poster discussion: Pleural diseases and pneumonia: what's new ?

Disease(s) : Airway diseases Respiratory infections Respiratory critical care

Method(s) : General respiratory patient care Surgery Epidemiology Cell and molecular biology

Chairs : Francesco Blasi (Milan, Italy), Nikolaos M. Siafakas (Heraklion (Crete), Greece)

Management of complex pleural space infections: As the pendulum swings

Anee Sophia Jackson (Seattle, United States of America), Joshua R Rayburn, Carson C Fuller, Candice L Wilshire, Christopher R Gilbert, Brian E Louie, Ralph W Aye, Eric Vallières, Alex S Farivar, Adam J Bograd, Jed A Gorden

Bedside Ultrasound and Pigtail Catheters for Management of Pleural Effusion in Geriatric Population

Boris Svirsky (Naharya, Israel), Edward Altman, Subhi Azzam, Alexander Samokhvalov, Roni Makhoul, Edward Kaykov

Efficacy of a multiplex bacterial PCR in identifying pathogens in pleural empyema

Léo Franchetti (Basel, Switzerland), Desiree Schumann, Michael Tamm, Kathleen Jahn, Daiana Stolz

Digital airflow measurement early in treatment course for spontaneous pneumothorax predicting surgical referral

Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Magda Laskawiec, Najib Rahman

Different approaches of chest drainage in the management of the primary spontaneous pneumothoraces.

Nicolas Carnot (Toulouse, France), Marion Dupuis, Sandrine Pontier, Florian Laborde, Laurent Brouchet, Alain Didier

Spontaneous pneumothorax – 5 years review

Maria João Freitas Ferreira Araújo (Guimarães, Portugal), Filipa Aguiar, Raquel Pereira, Joana Lages, Ana Luisa Vieira, Lurdes Ferreira, João Cunha

Alpha1-antitrypsin deficiency in primary spontaneous pneumothorax

Eunice Maria Ferreira Da Eira Marques Dias (Pombal, Portugal), Ana Filipa Costa, Lília Santos

The use of antiviral drug Ribavirin in cases of viral-bacterial community acquired pneumonia

Mikhail Kharitonov (St. Petersburg, Russian Federation), Andrey Nikolayev, Mikhail Zhurkin, Vladimir Ivanov, Yuriy Rudakov

Phagocytic ability of granulocytes and monocytes in elderly patients with community acquired pneumonia

Elif Torun Parmaksiz (Istanbul, Turkey), Ali İnal, Benan Çayan, Coşkun Doğan, Ali Fidan, Nesrin Koral, Sevdâ Cömert

Risk factors for early onset severe community-acquired pneumonia complications

Vaida Averjanovaitė (Vilnius, Lithuania), Rūta Šaikalytė, Giedrė Cincilevičiūtė, Gabrielė Kuinskaitė, Domantė Mačiulytė, Andrius Kontrimas, Vaida Maksimaitytė, Rolandas Zablockis, Edvardas Danila

The utility of CURB-65 scoring in the acute management of radiologically proven pneumonia

Alana Livesey (Birmingham (West Midlands), United Kingdom), Pradeep Mallisetty, Touqeer Raja, Hammad Tariq, James Biggs, Tricia Balram, Alice Castle, Divyanish Dogar, Biman Chakraborty, Rahul Mukherjee

Influence the phosphatidylcholine treatment program on surfactant protein D levels in hypertensive patients with community-acquired pneumonia

Olga Shtepa (Dnipropetrovsk, Ukraine), Tetyana Pertseva

Antibiotic treatment in community and hospital acquired pneumonia complicated by Clostridium difficile infection.

Kasia Zycinska (Warsaw, Poland)

Comparative laboratory evaluation of systemic inflammatory response in patients with opium drug addiction and community-acquired pneumonia

Oksana Viltsaniuk (Vinnitsa, Ukraine), Yuriy Mostovoy, Anastasiia Hunko

Incidence and predictors of QT interval prolongation in the intensive care units of a tertiary pulmonary center

Shadi Baniasadi (Tehran, Islamic Republic of Iran), Zeinab Hosseini, Behrooz Farzanegan, Seyyed Reza Seyyedi, Mehdi Rajabi, Habib Emami

Evaluation of a bespoke and innovative model of care to reduce emergency admissions for community acquired pneumonia.

Onnor Hampson (Liverpool, United Kingdom), Emma Rickards, Dennis Wat, Sarah Sibley

Pulmonary outcomes in adults with a history of Bronchopulmonary Dysplasia (BPD)

Petra Um-Bergström (Sollentuna, Sweden), Jenny Hallberg, Melvin Pourbazargan, Eva Berggren-Broström, Giovanni Ferrara, Maria Eriksson, Sven Nyrén, Gunnar Lilja, Anders Lindén, Åsa Wheelock, Erik Melén, Magnus Sköld

08:30 - 10:30

Poster discussion: Integrating pharmacological and non-pharmacological management in COPD: are we there yet?

Disease(s) : Airway diseases**Method(s) :** General respiratory patient care Public health Cell and molecular biology Epidemiology**Chairs :** Nicolas Roche (Paris, France), Lowie Vanfleteren (Horn, Netherlands)**Evaluation of safety, tolerability, pharmacokinetics, and food effect of Danirixin oral tablets in Japanese elderly healthy subjects**

Yuki Matsuzawa (Tokyo, Japan), Hirofumi Ogura, Takashi Nagakubo, Akira Wakamatsu, Claire Ambery, Bruce Miller, Yotaro Numachi

Population health impact of Indacaterol/Glycopyrronium over 4 years in chronic obstructive pulmonary disease

Florian S. Gutzwiller (Basel, Switzerland), Konstantinos Kostikas, Emilie Gruen, Manisha Sekharan

Risk of exacerbation and pneumonia with single inhaler triple versus dual therapy in IMPACT

Mark Dransfield (Birmingham, United States of America), Courtney Crim, Gerard Criner, David Halpin, Meilan Han, C. Elaine Jones, Sally Kilbride, Peter Lange, David Lipson, David Lomas, Fernando Martinez, David Singh, Robert Wise

Eosinophils as a predictor of mepolizumab treatment responses in COPD

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Gerard Criner, Huib Kerstjens, Eric Bradford, Stephanie Schweiker Harris, Oliver Keene, Bhabita Mayer, David Rubin, Steven Yancey, Daniel Bratton

Reduced glucocorticoid receptor binding affinity in blood lymphocytes and monocytes of COPD patients

Anatoli Tahanovich (Minsk, Belarus), A.G. Kadushkin, L.V. Movchan, T.V. Shman, V.V. Levandovskaya

Real-life data on COPD treatment

Leila Karimi Gazafrudi (Rotterdam, Netherlands), Esmé J Baan, Tiana Geeraerd, Johan Van Der Lei, Bruno H C Stricker, Guy G Brusselle, Lies Lahousse, Katia M Verhamme

Personalized treatment through an inhaler device, adjustable to patient's respiratory profile

Konstantinos Zarogoulidis (Thessaloniki, Greece), Paul Zarogoulidis, Stavroula Rozou, Konstantinos Porpodis, Kelly Domvri, Nikolaos Michailidis, Savvas Petanidis, Efrosini Kioseoglou, Dimitra Psalla

Single inhaler triple therapy in patients with COPD: patient-reported dyspnoea and health status from the IMPACT Trial

Maggie Tabberer (Uxbridge (Middlesex), United Kingdom), Christine Elaine Jones, Sally Kilbride, Gerard J Criner, Peter Lange, Meilan K Han, Fernando Martinez, David A Lipson

FACTORS INFLUENCING PHARMACOLOGICAL TREATMENT IN COPD PATIENTS ENROLLED IN AN INTEGRATED DISEASE MANAGEMENT PROGRAMME (IDMP)

Maurizio Moretti (Modena (MO), Italy), Sara Balestracci, Manuela Latorre, Anna Porcu, Alberto Rocchi

Can a telemonitoring system lead to decreased hospital admissions in elderly patients?

Johan Lyth (Linköping, Sweden), Leili Lind, Daniel Karlsson, Lennart H. Persson, Ann-Britt WiréHn

An evaluation of 'care bundles' as a means of improving hospital care for patients with COPD: results of a multi-centre study in the UK

James Calvert (Caerleon, United Kingdom), Katherine Morton, Emily Sanderson, Pdraig Dixon, Sue Jenkins, Stephanie Macneill, Chris Metcalfe, Alison Shaw, Melanie Chalder, William Hollingsworth, Jonathan Benger, Sarah Purdy

Implementation of an integrated care pathway based in a population health approach in Bilbao for Chronic Obstructive Pulmonary Disease patients

María Mar Martínez (Bilbao (Bizkaia), Spain), Ignacio Arriaga-Lariz, Gemma Fernández-Peñalba

Cost-effectiveness analysis of a Home-based disease management intervention for patients with severe COPD alongside the COMET study.

Denis GRANADOS (Gentilly, France), Jean Bourbeau, Romain Kessler, Isabelle Durand-Zaleski, Stéphane Roze

Clinical management of patients newly diagnosed with COPD through targeted case finding and routine care: a longitudinal analysis of the TargetCOPD trial

Shamil Haroon (Birmingham (West Midlands), United Kingdom), Andrew Dickens, Peymane Adab, Alexandra Enocson, David Fitzmaurice, Rachel Jordan

Healthcare resource consumption in Italian patients with COPD: The MISTRAL study

Giuseppe Vallo (Lipomo (CO), Italy), Giosue Catapano, D. R. Bonardi, Carlo Pomari, Francesco Tursi, Marta Bartezaghi, P. A. Porpiglia, Paolo Morini

Comparison of Clinical Efficacy and Safety between ultraLABAs and ultraLAMAs in Patients with COPD: A Systemic Review with a Meta-Analysis of Randomized Controlled Trials
EUNYEONG CHO (Seoul, Republic of Korea), Se Yong Kim, Noeul Kang, Yunjoo Im, Min-Ji Kim, Seonwoo Kim, Dong Ah Park, Kwang Ha Yoo, Yong Bum Park, Ji Ye Jung, Hyun Lee, Hye Yun Park, Seong Yong Lim, Hye Kyeong Park

Generating patient insights in chronic obstructive pulmonary disease (COPD) with social media listening study

Florian S. Gutzwiller (Basel, Switzerland), Jean-Bernard Gruenberger, Vinay Preet Kaur, Purnima Pathak, Alaknanda Mudumby, Nigel S. Cook

08:30 - 10:30

Oral presentation: New developments in tuberculosis

Disease(s) : Respiratory infections

Method(s) : Epidemiology Public health Cell and molecular biology General respiratory patient care

Chairs : Simon Tiberi (London, United Kingdom), Chair to be confirmed

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|-------|---|
| 08:30 | Isoniazid mono-resistance negatively affects tuberculosis treatment outcomes in Europe
Marieke van der Werf (Stockholm, Sweden), Basel Karo, Anke Kohlenberg, Vahur Hollo, Raquel Duarte, Lena Fiebig, Sarah Jackson, Cathriona Kearns, Csaba KöDmőN, Maria Korzeniewska-Kosela, Dimitrios Papaventsis, Ivan Solovic, Dick Van Soelingen |
| 08:45 | World Health Organization guidance on the treatment of isoniazid-resistant tuberculosis
Dennis Falzon (Genève, Switzerland), Licé Gonzalez Angulo, Ernesto Jaramillo, Karin Weyer |
| 09:00 | Management of tuberculosis in the European Union: a multicentre audit
Senia Rosales-Klintz (Solna, Sweden), Lia D'Ambrosio, Rosella Centis, Remi Verduin, Massimo Amicosante, Ana Maria Correia, Andra Cirule, Raquel Duarte, Blagovesta Gadzheva, Gina Gualano, Heinke Kunst, Fabrizio Palmieri, Vija Riekstina, Donka Stefanova, Simon Tiberi, Giovanni Sotgiu, Giovanni Battista Migliori, Marieke J. Van Der Werf |
| 09:15 | Clinical significance of low serum isoniazid level among the patients with drug-sensitive pulmonary tuberculosis who showed delayed smear or culture conversion.
Ju Sang Kim (Incheon, Republic of Korea), Yong Hyun Kim, Jin Woo Kim, Jick Hwan Hah, Ah Young Shin, Hyung Woo Kim, Jung Hyun Ahn |
| 09:30 | Protective capacity of a new TB vaccine
Vladislav Gergert (Moscow, Russian Federation), Atadjan Ergeshov, Vladimir Yermeev |
| 09:45 | Short 12-month regimen with intravenous linezolid for MDR-TB: treatment outcomes and first follow up results.
Nataliia Lytvynenko (Kyiv, Ukraine), Hanna Varytska, Maryna Pogrebna, Yulia Senko, Oksana Chobotar |
| 10:00 | Regulation of apoptosis via the PARK7 interactome in peripheral blood mononuclear cells donated by tuberculosis patients vs. controls and the response to treatment: a systems biology approach.
George Vavougios (Larissa, Greece), Sotirios Zarogiannis, Karen Krogfelt, Konstantinos Gourgoulanis |

08:30 - 10:30

Oral presentation: New modalities in asthma treatment

Disease(s) : Airway diseases

Method(s) : Endoscopy and interventional pulmonology Cell and molecular biology General respiratory patient care

Chairs : Mohankumar Thekkinkattil (Coimbatore (Tamil Nadu), India)

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|-------|---|
| 08:30 | Evaluation in a severe asthma expert center improves asthma outcomes.
Camille Begne (Perigueux, France), Aurélien Justet, Laure Tabèze, Clairelyne Dupin, Catherine Neukirch, Raphaël Borie, Marie-Christine Dombret, Bruno Crestani, Camille Taillé |
| 08:45 | Increased sputum FKBP51 gene expression following Azithromycin add-on therapy in asthma
Jodie Simpson (New Lambton, Australia), Stephany Sanchez-Ovando, Heather Powell, Kavita Pabreja, Ian Yang, John Upham, Paul Reynolds, Sandra Hodge, Alan James, Christine Jenkins, Matthew Peters, Guy Marks, Melissa Baraket, Peter Gibson |
| 09:00 | Unbiased clinical cluster analysis of patients of ProAR Asthma Cohort.
Alvaro A. Cruz (Salvador (BA), Brazil), Aruna T. Bansal, Eduardo V. Ponte, Adelmir Souza-Machado, Paula C. Almeida, Valmar Biao-Lima, Stewart Bates, John H. Riley |

Bronchial Thermoplasty Global Registry: One Year Results

- 09:15** Alfons Torrego Fernandez (Barcelona, Spain), Felix Herth, Ana M Munoz, Luis Puente, Nicola Facciolo, Stephen Bicknell, Mauro Novali, Stefano Gasparini, Martina Bonifazi, Keertan Dheda, Felipe Andreo, Ji í Votruba, David Langton, Javier Flandes, David Fielding, P. I. Bonta, Dirk Skowasch, Alvin Ing, Christian Schulz, Kaid Darwiche, Edmund McMullen, Fran Nolan, Robert Niven, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Martin Iversen (martin@iversen-net.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Johan Malmstrom (johan.malmstrom@med.lu.se / Division of Infection Medicine, Department of Clinical Sciences Lund, Lund University, Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science, Lund University, Lund)

SURFACTANT THERAPY IN PATIENTS WITH SEVERE UNCONTROLLED BRONCHIAL ASTHMA

- 09:30** Ekaterina Kozlova (Chita, Russian Federation), Alena Akulova, Olga Stepanova, Konstantin Shapovalov, Sergey Lukyanov, Oleg Rosenberg,

Cell type specific heat-shock-protein responses to bronchial thermoplasty in severe asthma treatment

- 09:45** Lei Fang (Basel, Switzerland), Lei Fang, Michael Tamm, Michael Roth, Daiana Stolz

08:30 - 10:30

Oral presentation: Occupational and environmental lung diseases: from early influences and novel exposures to preventative approaches

Disease(s) : Airway diseases Respiratory infections Thoracic oncology Interstitial lung diseases

Method(s) : Epidemiology Public health General respiratory patient care

Chairs : David Fishwick (Sheffield (South Yorkshire), United Kingdom), Nicola Murgia (Perugia (PG), Italy)

Influence of childhood asthma and allergies on occupational exposure in early adulthood: a prospective cohort study

- 08:30** Orianne Dumas (Villejuif, France), Nicole Le Moual, Adrian J Lowe, Caroline J Lodge, Jan-Paul Zock, Hans Kromhout, Bircan Erbas, Jennifer Perret, Shyamali C Dharmage, Geza Benke, Michael J Abramson

Using digital and social media to highlight the risks of occupational exposures as a cause of lung diseases

- 08:45** Emma Thompson (Sheffield (South Yorkshire), United Kingdom), Pippa Powell, Dick Heederik, Martie Van Tongeren, Sara De Matteis, Saskia Weldam, Dan Smyth, Ewelina Szmytko, David Fishwick

Update of the British Occupational Health Research Foundation (BOHRF) guidelines on occupational asthma.

- 09:00** Sara De Matteis (London, United Kingdom), Johanna Feary, Jim Macfarlane, Diane Romano-Woodward, Joanna Szram, Gareth Walters, Ruth Wiggins, Paul Cullinan

Work tasks and occupations as risk factors for asthma in a sample of urban healthcare workers

- 09:15** Paul K. Henneberger (Morgantown, United States of America), Morgan Caridi, Michael Humann, Xiaoming Liang, Feng-Chiao Su, Aleksandr Stefaniak, Ryan Lebof, Marcia Stanton, Abbas Virji

Effect of welding fumes on rhinitis symptoms and nasal patency: Quebec apprentice cohort study

- 09:30** Eva Suarathana (Montréal (Québec), Canada), Mahsa Taghiakbari, Alfi Afadiyanti Parfi, Meshack Achore, Mariam El-Zein, Mounia Rhazi, Denyse Gautrin, Roberto Castano

Functional, Inflammatory and Imaging Impairments due to Artificial Stone Dust (ASD) ultrafine particles(UFP) exposure.

- 09:45** Elizabeth Fireman (Tel-Aviv, Israel), Noa Ophir, Amir Bar Shai, Rafi Korenstein, Mordec Kramer

Evaluation of autopsy data for occupational lung disease surveillance in South African miners.

- 10:00** Jill Murray (Johannesburg, South Africa), Ntombizodwa Ndlovu, Guy A Richards

08:30 - 10:30

Oral presentation: COPD and chronic respiratory disease: from misclassification to radiological findings

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology Imaging Public health General respiratory patient care

Chairs : Joan B Soriano (Madrid, Spain), Anne Lindberg (Boden, Sweden)

Beta-blocker, aspirin and statin usage after myocardial infarction in patients with and without COPD. A nationwide analysis from 1995 to 2015 in Denmark

- 08:30** Daniel Rasmussen (Glumsø, Denmark), Uffe Bodtger, Morten Lamberts, Peter Lange, Magnus Jensen

08:45	Changing causes of mortality for people with chronic respiratory diseases Alicia Gayle (London, United Kingdom), Eleanor Axson, Chloe Bloom, Vidya Navaratnam, Jennifer Quint
09:00	Decrease in prevalence of COPD in Sweden after decades of decrease in smoking Helena Backman (Lulea, Sweden), Linda Ekerljung, Berne Eriksson, Caroline Stridsman, Roxana Mincheva, Linnea Hedman, Stig Hagstad, Anne Lindberg, Anders Ullman, Eva Ronmark, Bo Lundback
09:15	Self-reported intake of fruit and vegetables and risk of chronic obstructive pulmonary disease: a nation-wide twin study Howraman Meteran (København, Denmark), Simon Francis Thomsen, Martin R Miller, Jacob Hjelmberg, Torben Sigsgaard, Vibeke Backer
09:30	Coagulation markers in COPD Gunnar Reksten Husebø (Fana, Norway), Esteban Gabazza, Corina D'Alessandro, Marianne Aanerud, Masaaki Toda, Rune Grønseth, Per S. Bakke, Tomas Mikal Lind Eagan
09:45	Misdiagnosis of OADs in community patients with inhaled prescription medication for shortness of breath William Midodzi (St. John's (NL), Canada), Jenese Nugent, Michael Asamoah-Boaheng, Zhiwei Gao, Jamie Farrell
10:00	Increase in hospital admissions in smokers with Interstitial Lung Abnormalities in the Danish Lung Cancer Screening Trial (DLCST) Nils Hoyer (København NV, Denmark), Laura Thomsen, Mathilde Wille, Torgny Wilcke, Asger Dirksen, Jesper Pedersen, Zaigham Saghir, Haseem Ashraf, Saher Shaker

08:30 - 10:30

Oral presentation: Determinants of physical activity behaviour in patients with COPD and the physiotherapist as a physical activity coach

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Public health

Chairs : Fábio de Oliveira Pitta (Londrina (PR), Brazil), Claire M. Nolan (London, United Kingdom)

08:30	Associations of sedentary behaviour and physical activity phenotypes with health outcomes in COPD: a cohort study Zoe McKeough (Sydney (NSW), Australia), Sonia Cheng, Jennifer Alison, Christine Jenkins, Emmanuel Stamatakis
08:45	Characterization of COPD patients with severe airflow limitation and high physical activity Elena Gimeno-Santos (Barcelona, Spain), Isabel Blanco, Robert Rodriguez-Roisin, Ane Arbillaga-Etxarri, Eva Balcells, Anael Barberan-Garcia, Marta Benet, Alicia Marin, Monica Monteagudo, Pilar Ortega, Diego A. Rodriguez, Pere J Simonet, Pere Toran, Judith Garcia-Aymerich
09:00	Heterogeneity of physical activity and its relationship with clinical outcomes in patients with COPD Karina Couto Furlanetto (Londrina (PR), Brazil), Raquel Pastrello Hirata, Lorena Paltanin Schneider, José Roberto Lopes, Mariana Pereira Bertoche, Joice Mara Oliveira, Camila Bonomo, Felipe Machado, Leticia Fernandes Belo, Thais Paes, Antenor Rodrigues, Nidia Aparecida Hernandez, Fabio Pitta
09:15	Physical activity in patients with COPD: a reference frame based on functional capacity Heleen Demeyer (Barcelona, Spain), Nicola Sante Diciolla, Matthias Loeckx, Fernanda Rodrigues, Astrid Blondeel, Daniel Langer, Rik Gosselink, Wim Janssens, Thierry Troosters
09:30	Improving walking capacity promotes physical activity during pulmonary rehabilitation Susan Lassche (Groesbeek, Netherlands), Jeannette Peters, Hanneke Van Helvoort, Alex Van 'T Hul, Jeroen Van Hees
09:45	Physical activity enhancing programme (PAEP) in COPD – a randomised controlled trial Leandro Mantoani (Edinburgh (Edinburgh), United Kingdom), Brian McKinstry, Susan McNarry, Susan Mullen, Susan Begg, Privender Saini, Mareike Klee, William Macnee, Roberto Rabinovich
10:00	Determinants of study completion and response to a 12-month physical activity intervention in COPD Maria Koreny (Madrid, Spain), Heleen Demeyer, Ane Arbillaga-Etxarri, Elena Gimeno-Santos, Anael Barberan-Garcia, Marta Benet, Eva Balcells, Eulàlia Borrell, Diego A Rodriguez, Pere Vall-Casas, Jordi Vilaró, Robert Rodríguez-Roisin, Judith Garcia-Aymerich

08:30 - 10:30

Oral presentation: Novel drug targets for asthma and COPD

Disease(s) : Airway diseases**Method(s) :** General respiratory patient care Physiology**Chairs :** Ian M. Adcock (London, United Kingdom), Loes E. M. Kistemaker (Groningen, Netherlands)

08:30 **Anti-inflammatory effects of the JAK inhibitor tofacitinib in two murine house dust mite -driven models of asthma.**
Anna Rita Pisano (Parma (PR), Italy), Daniela Miglietta, Fabio Bignami, Andrew Allen, Matteo Biagetti, Giancarlo Aquino, Chiara Carnini, Maurizio Civelli, Gino Villetti

08:45 **Hydrogen sulphide donors prevent hyperreactivity of mice tracheas in an in vitro lipopolysaccharide-induced inflammation model**
Yasemin Karaman-Kutluay (Ankara, Turkey), Yesim Kaya-Yasar, Turgut Emrah Bozkurt, Inci Sahin-Erdemli

09:00 **Aerosolized TLR7 Imidazoquinoline Agonist Bronchodilates In Vivo**
Matthew Drake (Portland, United States of America), Becky Proskocil, Katherine Lebold, Emily Blum, Allison Fryer, David Jacoby

09:15 **IL-33 blockade impacts mediators of persistence and exacerbation of chronic airway inflammation.**
Jeanne Allinne (Tarrytown, United States of America), George Scott, Dylan Birchard, Amit Agrawal, Li-Hong Ben, Wei Keat Lim, Jee Hae Kim, Vishal Kamat, Andrew Murphy, Matthew Sleeman, Jamie Orengo

09:45 **Targeting NADPH oxidase-2 reduces cigarette smoke-induced lung inflammation and skeletal muscle wasting in mice**
Ivan Bernardo (Melbourne (VIC), Australia), Samantha Passey, Huei Jiunn Seow, Steven Bozinovski, Ross Vlahos

10:00 **Efficacy of a novel PI3Kd inhibitor, DS-1515 in animal models of asthma**
Masakatsu Suzuki (Tokyo, Japan), Puneet Chopra, Sandeep Sinha, Shashi Kant Singh, Harikesh Kalonia, Somnath Wagh, Rajkumar Shirumalla, Manish Diwan, Kiyoshi Morimoto

08:30 - 13:00

Game Zone: GAME ZONE - SESSION 3

10:40 - 13:00

Skills workshop: SW11 Thoracic ultrasound**Aims :** to provide an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.**Disease(s) :** Thoracic oncology**Method(s) :** Imaging**Tag(s) :** Clinical**Target audience :** Radiologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Najib M. Rahman (Oxford, United Kingdom)**Introduction**

Normal thoracic cavity
Konstantina Kontogianni (Heidelberg, Germany), Damien Basille (Amiens, France)

Pleural effusion and/or pleural thickening
Ioannis Psallidas (Oxford, United Kingdom), Sophie Laroumagne Dumetre (Marseille, France)

Case studies
Najib M. Rahman (Oxford, United Kingdom)

Guided pleural aspiration and lymph node biopsy using models
Rahul Bhatnagar (Bristol, United Kingdom), Anna Bibby (Bristol (Avon), United Kingdom)

10:40 - 13:00

Skills workshop: SW8 Cardiopulmonary exercise test interpretation - tips and pitfalls**Aims :** to identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Pierantonio Laveneziana (Paris Cedex 13, France)**Introduction****Relationship between oxygen uptake and work rate**
Paolo Palange (Rome, Italy)**Anaerobic/lactate threshold**
Harry Rossiter (Hermosa Beach, United States of America)**Breathing pattern and dynamic hyperinflation**
Denis O'Donnell (Kingston (ON), Canada)**Ventilatory efficiency**
Paolo Onorati (Alghero (SS), Italy)

10:45 - 12:45

Symposium: Infectious agents and childhood asthma**Implications for prevention and treatment****Aims :** to describe the role of viral respiratory infections in the inception of asthma; to show how the airway microbiome and bacteria-virus interactions can both serve as targets for asthma prevention and treatment; to discuss how the environment and gut microbiomes can act as determinants of childhood asthma and to describe the implications for prevention; and to detail the management of childhood asthma in preschool children.**Disease(s) :** Paediatric respiratory diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Scientist (basic, translational), Student, Trainee**Chairs :** Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Sejal Saglani (London, United Kingdom)**10:45 Early-life viral respiratory infections and childhood asthma inception - can we unlink the association?**
Louis Bont (Utrecht, Netherlands)**11:15 It's not just viruses - the airway microbiome, bacteria-virus interactions and childhood asthma**
Avraham Beigelman (St. Louis, MO, United States of America)**11:45 The environment and the gut microbiome - interesting association or a rich field for future therapies?**
Erika von Mutius (München, Germany)**12:15 Preschool asthma - have randomised controlled trials provided clarity on management?**
Jonathan Grigg (London, United Kingdom)

10:45 - 12:45

Symposium: State of the art session: Respiratory infections**Practical update in respiratory infections****Aims :** To update clinicians in the diagnosis, treatment and prevention of respiratory infections.**Disease(s) :** Respiratory infections**Method(s) :** Cell and molecular biology General respiratory patient care Imaging Public health Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Eva Polverino (Barcelona, Spain), Raquel Duarte (Porto, Portugal)**10:45 Pneumonia: diagnosis, treatment and prevention**
Francesco Blasi (Milan, Italy)**11:15 Tuberculosis: recent advances in diagnosis, treatments and prevention of nosocomial transmission**
Christoph Lange (Borstel, Germany)

11:45 **Bronchiectasis: the new, the old and the ugly**
James D. Chalmers (Dundee (Angus), United Kingdom)

12:15 **Non-tuberculous mycobacteria: how to treat these difficult infections**
Jakko van Ingen (Nijmegen, Netherlands)

10:45 - 12:45

Symposium: Respiratory medicine meets hematology

Aims : To provide state of the art presentations on the pulmonary manifestations of haematological diseases (malignant and non-malignant), the spectrum of respiratory infections in immunocompromised patients with haematological diseases (e.g., during bone marrow aplasia), the non-infectious lung complications of treatments for leukaemia and lymphoma, and the pulmonary manifestations of acute and chronic graft-versus-host disease.

This session is endorsed by the European Hematology Association (EHA - www.ehaweb.org).

Disease(s) : Respiratory infections Thoracic oncology

Method(s) : General respiratory patient care Respiratory intensive care Transplantation

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Radiologist, Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Jacques Cadranel (Paris Cedex 20, France), Fritz Offner (Gent, Belgium)

10:45 **Pulmonary manifestations of haematological diseases: from lymphoma to sickle cell crisis**
Venerino Poletti (Forli, Italy)

11:15 **Respiratory infections in immunocompromised patients with haematological diseases**
Elie Azoulay (Paris, France)

11:45 **Pulmonary toxicity of treatments for leukaemia and lymphoma**
Robert Vassallo (Rochester, United States of America)

12:15 **Graft-versus-host disease in the lungs: novel insights and treatments**
Anne Bergeron Lafaurie (Paris, France)

10:45 - 12:45

Symposium: Integrated care for patients with pulmonary vascular disease, lung diseases and heart failure

A joint ERS/ESC/Heart Failure Association session

Aims : This symposium is a collaborative effort between the ERS, the ESC and the Heart Failure Association of the ESC that aims to disseminate the recent advances in the chronic care of patients with chronic lung disease and heart failure. In particular, the diagnosis, pharmacological treatment and rehabilitation strategies in pulmonary vascular disease will be addressed.

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Frits M.E. Franssen (Horn, Netherlands), Marion Delcroix (Leuven, Belgium)

10:45 **Managing deteriorations in chronic obstructive pulmonary disease: which organ is failing?**
Marco Canepa (Genoa, Italy)

11:15 **Optimising pharmacotherapy in patients with pulmonary arterial hypertension and comorbidities, including lung diseases and heart failure: benefits without harm?**
Marc Humbert (Paris, France)

11:45 **The haemodynamic and gas-exchange responses to exercise in pulmonary hypertension, chronic obstructive pulmonary disease and left heart ventricle failure: similarities and differences**
Anton Vonk Noordegraaf (Amsterdam, Netherlands)

12:15 **Interdisciplinary rehabilitation in pulmonary hypertension: can we learn from chronic obstructive pulmonary disease or heart failure?**
Carolyn Rochester (New Haven, United States of America)

10:45 - 12:45

Symposium: Cell-matrix interactions in lung disease and regeneration
Reflections from the 2018 Lung Science Conference

Aims : This special session aims to highlight some of the key cutting-edge concepts regarding cell-matrix interactions across the spectrum of respiratory disease and regenerative medicine that were presented during the 2018 Lung Science Conference (LSC) in Estoril. Cells sense and functionally respond to their physical three-dimensional environment by translating extracellular matrix (ECM) interactions and mechanical forces and deformations into biochemical signals. Molecular defects that interrupt or alter mechanical sensing and the subsequent cell signalling events can perturb normal cellular function, thereby potentially contributing to a diverse range of diseases, including those that associate with abnormal lung development, acute lung injury, pulmonary fibrosis, airway remodelling and cancer. In this session, we will review the latest developments in our understanding of the way perturbed cell-ECM interactions determine cell fate and function and can lead to respiratory disease. This session will include presentations by an exciting panel of leading investigators who are working at the forefront of respiratory science and medicine as well as two short presentations from two prize winners at the 2018 LSC.

Disease(s) : Airway diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology**Tag(s) :** Basic science**Target audience :** Clinical researcher, Scientist (basic, translational), Student, Thoracic oncologist, Trainee**Chairs :** Rachel Chambers (London, United Kingdom), Silke Meiners (München, Germany)

10:45	Human lung scaffolds to model lung disease and tissue regeneration Darcy Wagner (Lund, Sweden)
11:15	Matrix dysfunction and the aging lung Herbert Schiller (Munich, Germany)
11:45	Laser-capture microdissection, mass spectrometry and immunohistochemistry reveal pathological alterations in the extracellular matrix of transplanted lungs Catharina Mueller (Lund, Sweden)
12:00	Progress towards human lung regeneration in end-stage respiratory failure: studying human lung development in vitro using organoid cultures of human embryonic lung stem cells Marko Nikolic (Cambridge (Cambridgeshire), United Kingdom)
12:15	Stem cell renewal and the matrix Paul Noble (Los Angeles, United States of America)

10:45 - 12:45

Hot topics: Preventing asthma and COPD exacerbations by increasing the inhaled glucocorticoid dose

Aims : To present and discuss the data of three recent randomised controlled trials that explored the ability of intensified inhaled corticosteroid (ICS) therapy to prevent exacerbations in patients with asthma and COPD who present with acute poor symptom control or upper respiratory tract infections (URTIs).

Disease(s) : Airway diseases Respiratory infections**Method(s) :** Epidemiology Public health Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Paediatrician**Chairs :** Fernando J. Martinez (New York, United States of America), Emiel F. M. Wouters (Maastricht, Netherlands)

10:45	Quintupling inhaled glucocorticoids to prevent childhood asthma exacerbations Daniel Jackson (Madison, United States of America)
11:15	Quadrupling the inhaled glucocorticoid dose to abort asthma exacerbations Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)
11:45	Intensified therapy with inhaled corticosteroids and long-acting b2-agonists (LABAs) at the onset of URTIs to prevent COPD exacerbations: a multicentre randomised double-blind placebo-controlled trial Daiana Stolz (Basel, Switzerland)
12:15	LAMA/LABA vs. LABA/ICS and triple therapy – is ICS in again? David A Lipson (Wynnewood, United States of America)

10:45 - 12:45

Year in review: Clinical Year in Review**Aims :** For the four different topics experts will present and discuss the top articles from the last year.**Disease(s) :** **Airway diseases****Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiotherapist, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Jouke T. Annema (Amsterdam, Netherlands), Lieuwe Bos (Amsterdam, Netherlands)**10:45** **The year in rehabilitation and chronic care**
Martijn A. Spruit (Horn, Netherlands)**11:15** **The year in asthma**
Pascal Chanez (Marseille, France)**11:45** **The year in chronic obstructive pulmonary disease**
Jadwiga Wedzicha (London, United Kingdom)**12:15** **The year in interventional pneumology**
Felix J.F. Herth (Heidelberg, Germany)

10:45 - 12:45

Poster discussion: New insights in rare diffuse parenchymal lung diseases (DPLDs) in adults and children**Disease(s) :** **Interstitial lung diseases****Method(s) :** General respiratory patient care Imaging Epidemiology Surgery Cell and molecular biology Endoscopy and interventional pulmonology Public health Transplantation**Chairs :** Maria Molina Molina (Hospitalet de Llobregat (Barcelona), Spain), Raphaël Borie (Paris, France)**Prevalence of pleuroparenchymal fibroelastosis (PPFE): A retrospective single-centre case study**
Silvana Geleff (Vienna, Austria), Jasmin Gmeiner, Peter Jaksch, Helmut Prosch**Clinical courses of asymptomatic patients with mild idiopathic pleuroparenchymal fibroelastosis**
Mikio Toyoshima (Hamamatsu, Japan), Atsuki Fukada, Daisuke Akahori, Takafumi Suda**Traction bronchiectasis and platythorax on computed tomography are determinants of progression and mortality in pleuro-parenchymal fibroelastosis**

Felix Chua (London, United Kingdom), Peter George, Darius Armstrong-James, Anand Devaraj, Elizabeth Renzoni, Toby Maher, Athol Wells, Ilaria Pulzato, Phillip Molyneaux, Maria Kokosi, Vasilis Kouranos, George Margaritopoulos, Sujal Desai

Multidisciplinary team dedicated to suspected heritable pulmonary fibrosis

Raphaël Borie (Paris, France), Caroline Kannengiesser, Serge Amselem, Olivier Brugiere, Diane Bouvry, Annick Clement, Vincent Cottin, Philippe Dieude, Clairelyne Dupin, Ralph Epaud, Laurent Gouya, Pascale Fanen, Flore Sicre De Fontbrune, Lidwine Wemeau-Stervinou, Nadia Nathan, Bruno Crestani

Mid-term clinical course of the three Japanese SFTPA1 and SFTPA2 mutated familial interstitial pneumonia patients.

Hiroyuki Ito (Nagasaki, Japan), Hiroshi Nakaoka, Yoshiro Yamashita, Masahiro Takaki, Takeshi Tanaka, Masayuki Ishida, Konosuke Morimoto

Functional assessment of newly identified SFTPA1 and SFTPA2 mutations in patients with idiopathic interstitial pneumonia (IIP) and lung cancer

Nadia Nathan (Paris, France), Marie Legendre, Emilie Filhol-Blin, Raphael Borie, Diane Bouvry, Caroline Kannengiesser, Kais Ahmad, Juliette Albuisson, Nathalie Allou, Keren Borensztajn, Afifaa Butt, Bruno Copin, Vincent Cottin, Bruno Crestani, Jean-Charles Dalphin, Florence Dastot Le Moal, Christophe Delacourt, Paul De Vuyst, Philippe Duquesnoy, Violaine Giraud, Carine Gomez, Laurent Gouya, Valerie Nau, Hilario Nunes, Clement Picard, Gregoire Prevot, Philippe Reix, Martine-Louise Reynaud-Gaubert, Julie Traclet, Aurore Coulomb L'Hermine, Annick Clement, Serge Amselem

COPA syndrome restricted to life-threatening alveolar hemorrhages: clinical, pathological, molecular and biological characterization

Nadia Nathan (Paris, France), Marie Legendre, Serge Amselem, Annick Clement, Emilie Filhol-Blin, Nicolas Richard, Sylvie Roullaud, Michael Fayon, Gillian I Rice, Darragh Duffy, Vincent Bondet, Aurore Coulomb L'Hermine, Benedicte Neven, Marie-Louise Fremond, Yanick J Crow

Down syndrome and pulmonary hemosiderosis: an under-recognized association

AURELIA ALIM (Saint-Mandé, France), Jessica Taytard, Rola Abou Taam, Véronique Houdouin, Aude Forgeron, Marc Lubrano Lavadera, Pierrick Cros, Isabelle Gibertini, Jocelyne Derelle, Antoine Deschildre, Caroline Thumerelle, Ralph Epaul, Philippe Reix, Michael Fayon, Sylvie Roullaud, Françoise Troussier, Marie-Catherine Renoux, Jacques De Blic, Sophie Leyronnas, Guillaume Thouvenin, Caroline Perisson, Aimé Ravel, Annick Clément, Harriet Corvol, Nadia Nathan

Exogenous lipid pneumonia in African children: a mixed-methods case series

Diana Marangu (Nairobi, Kenya), Komala Pillay, Ebrahim Banderker, Aneesa Vanker, Diane Gray, Marco Zampoli

Alveolar hemorrhage syndrome in children

Anna Bogorad (Moscow, Russian Federation), Yuri Mizernitsky, Nadejda Rosinova, Natalia Lev, Ludmila Sokolova, Svetlana Djakova, Irina Zorina, Margarita Kostituchenko

Effectiveness of inhibitor mTOR in patients with lymphangioleiomyomatosis.

Lubov N. Novikova (St. Petersburg, Russian Federation), Mihail Ilkovich, Dali Dzadzua, Olga Baranova, Mariya Vasilyeva

Pneumothorax in pulmonary langerhans cell histiocytosis (PLCH)

Pierre Le Guen (Paris, France), Sylvie Chevret, Emmanuelle Bugnet, Constance De Margerie-Mellon, Fanélie Jouenne, Gwenaél Lorillon, Agathe Seguin-Givelet, Samia Mourah, Dominique Gossot, Robert Vassallo, Abdellatif Tazi

Cytokine profiling in Pulmonary Langerhans Cell Histiocytosis: novel insights into pathogenesis.

Silvia Barril Farre (Barcelona, Spain), S. Hortelano, A. Luque, M.A. Higuera, C. Rodriguez-Martin, C. Robledo, A. Feliu, P. Millan, O. Sibila, F.J Alonso, D. Castillo

Pleural effusion in patients with IgG4-related disease: new insights from a case series

Ori Wand (Kfar Sava, Israel), Osnat Moreh Rahav, Osnat Shtraichman, Mordechai Kramer

Drug induced interstitial lung disease: a systematic review

Sarah Skeoch (Manchester (Greater Manchester), United Kingdom), Nicholas Weatherley, Andrew Swift, Alexander Oldroyd, Chris Johns, Conal Hayton, Allesandro Giollo, James Wild, John Waterton, Maya Buch, Kim Linton, Ian Bruce, Colm Leonard, Bianchi Stephen, Nazia Chaudhuri

Unclassifiable interstitial lung disease: a distinct entity with heterogeneous progression

Mouhamad Nasser (Bron, France), Pierre Rigaud, Kais Ahmad, Julie Traclet, Vincent Cottin

Pulmonary Lymphangiomatosis – insights into an ultra-rare disease

Nilab Sarmand (Heidelberg, Germany), Stella Piel, Eva Brunnemer, Julia Waelscher, Markus Polke, Arne Warth, Claus Peter Heussel, Monika Eichinger, Felix Lasistschka, Benjamin Hoegerle, Lutz Frankenstein, Heike Zabeck, Stefan Rieken, Felix Herth, Michael Kreuter

10:45 - 12:45

Poster discussion: New kids on the block: novel molecular pathways and therapeutic targets in chronic lung diseases

Disease(s) : Airway diseases Respiratory infections Interstitial lung diseases Pulmonary vascular diseases Sleep and breathing disorders

Method(s) : Cell and molecular biology

Chairs : Niki L. Reynaert (Maastricht, Netherlands), Colin Bingle (Sheffield (South Yorkshire), United Kingdom)

LSC - 2018 - Role of Mitogen activated-kinase (MAPK)-phosphatase (MKP)-5 in pulmonary fibrosis

Theodoros Karampitsakos (Thebes, Greece), Argyrios Tzouvelekis (argyrios.tzouvelekis@fleming.gr / Department of Pulmonology, Sotiria Chest Hospital, Athens), Kisuk Min (kisukmin@gmail.com / Department of Pharmacology, Yale School of Medicine, New Haven, CT, USA, New Haven), Nikolaos Xylourgidis (nikosxylourgidis@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Guoying Yu (guoyingyu@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Jose D. Herazo-Maya (joseherazomaya@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Leonard Bizenhofer (leonardbizenhofer@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Anton Bennett (bennett@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Naftali Kaminski (naftalikaminski@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven)

The role of microRNA-155 in cigarette smoke-induced inflammation.

Elise De Smet (Ghent, Belgium), Pieter Mestdagh, Francisco Avila Cobos, Evy Blomme, Fien Verhamme, Sharen Provoost, Tania Maes, Guy Joos, Guy Brusselle, Ken Bracke

Cigarette smoke upregulating the expression of miR 21 increases IL-8 in airway epithelial cells

Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Eleonora Di Salvo, Maria Ferraro, Paola Dino, Federico Saibene, Luigi Lanata, Sebastiano Gangemi

Small airway fibroblasts from COPD patients are senescent and pro-fibrotic

Catherine Wrench (London, United Kingdom), Jonathan Baker, Peter Fenwick, Louise Donnelly, Peter Barnes

Aged tenascin-C knockout mice have increased lung volume and septal surface but unchanged lung function

Tiziana Patrizia Cremona (Bern, Switzerland), Sandrine Gremlich, Matthias Roth-Kleiner, Johannes Shittny

Epithelial pIgR: A new player in idiopathic pulmonary fibrosis?

Thomas Plante-Bordeneuve (Ottignies, Belgium), Charles Pilette, Yousof Yakoub, Marylène Lecocq, François Huaux, Antoine Froidure

Syk expression and function in the pulmonary vasculature

Christoph Tabeling (Berlin, Germany), Julia Herbert, Ekaterina Boiarina, Andreas C. Hocke, Katherina Sewald, David J. Lamb, Stefan-Lutz Wollin, Heinz Fehrenbach, Wolfgang M. Kuebler, Armin Braun, Norbert Suttorp, Norbert Weissmann, Martin Witzenrath

Development of a nanostructured sensor for monitoring oxidative stress in living cells

Elisabetta Pace (Palermo (PA), Italy), Chiara Cipollina, Rosalinda Inguanta, Bernardo Patella, Marco Buscetta, Serena Di Vincenzo, Maria Ferraro, Carmelo Sunseri

Dysregulated mitochondrial integrity associated with lamin B1 reduction is involved in cellular senescence progression in COPD pathogenesis.

Nayuta Saito (Tokyo, Japan), Jun Araya, Saburo Ito, Yusuke Hosaka, Tsukasa Kadota, Masahiro Yoshida, Kazuya Tsubouchi, Akihiro Ichikawa, Yusuke Kurita, Kenji Kobayashi, Shunsuke Minagawa, Hiromichi Hara, Hirofumi Utsumi, Haruhiko Yanagisawa, Mitsuo Hashimoto, Hiroshi Wakui, Takeo Ishikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano

Metformin regulates sirtuin expression in airway epithelial cells

Aneesha Bhandari (london , United Kingdom), Jonathan Baker , Louise Donnelly , Peter Barnes

Supportive interaction of PI3K-Akt-mTOR and STAT3-miR21-PTEN controls IgE induced airway remodeling

Lei Fang (Basel, Switzerland), Lei Fang, Michael Tamm, Daiana Stolz, Michael Roth

Involvement of Hedgehog pathway in airway cell differentiation

Randa Belgacemi (Reims, France), Jeanne-Marie Perotin, Christelle Coraux, Emilie Luczka, Adeline Germain, Gonzague Delepine, Myriam Polette, Gaëtan Deslée, Valerian Dormoy

GPR40 promotes tight junction assembly in human airway epithelial cells via AMPK-dependent mechanisms

Aekkacha Moonwiriyaakit (Bangkok, Thailand), Panisara Wattanaphichet, Chatchai Muanprasat

Role of chaperone-mediated autophagy in COPD pathogenesis.

Yusuke Hosaka (Tokyo, Japan), Jun Araya, Kazuya Tsubouchi, Shunsuke Minagawa, Hiromichi Hara, Akihiro Ichikawa, Nayuta Saito, Tsukasa Kadota, Masahiro Yoshida, Takeo Ichikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano

Cigarette smoke-induced activation of the integrated stress response in COPD airway epithelial cells and the role of oxidative stress

Gimano Amatngalim (Utrecht, Netherlands), Elke Malzer, Annemarie Van Schadewijk, Jayson Bradley, Maria Zarccone, Anne Van Der Does, Pieter Hiemstra, Stefan Marciniak

Involvement of NCOA4-mediated ferritinophagy in cigarette smoke-induced ferroptosis in COPD pathogenesis

Masahiro Yoshida (Tokyo, Japan), Shunsuke Minagawa, Jun Araya, Hiromichi Hara, Yusuke Hosaka, Akihiro Ichikawa, Nayuta Saito, Kazuya Tsubouchi, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano

Role of NLRP3 inflammasome and ATP in S100A12-induced MUC5AC production in airway epithelial cells

Hye Jeong Kim (Ansan-si, Republic of Korea), Karam Kim, Jin Hyun Kang, Il Yup Chung

Increased CTGF expression of circulating fibrocytes in asthmatic patients with severe OSA - the role of HIF-1 α and HDAC7

Tsai-Yu Wang (Taipei, Taiwan), Yu-Lun Lo, Chun-Hua Wang, Han-Pin Kuo

10:45 - 12:45

Poster discussion: Lung cancer: personalised medicine**Disease(s) :** Thoracic oncology Airway diseases Sleep and breathing disorders**Method(s) :** Epidemiology Public health Cell and molecular biology General respiratory patient care Surgery Endoscopy and interventional pulmonology**Chairs :** Joanna Domaga a-Kulawik (Warszawa, Poland), Chair to be confirmed**Hypofractionated radiotherapy for stage I lung carcinomas: moderate hypofractionation optimizes outcome**

Inès Menoux (Strasbourg, France), Delphine Antoni, Pierre Truntzer, Audrey Keller, Gilbert Massard, Georges Noël

Tyrosine-kinase inhibitors (TKI) in first-line treatment of patients with non-small cell lung cancer (NSCLC) - real life data from the Czech Republic.

Jana Skřivánková (Brno 35, Czech Republic), Renata Chloupková, Zbyněk Bortlíček, Petr Brabec, Karel Hejduk, Ladislav Dušek, Miloš Pešek, Vít Zslav Kolek, Leona Koubková, Markéta Ernovská, František Salajka, Milada Zemanová, Jana Krejčí, Helena Oupková, Monika Šatáňková, Andrea Benejová, Marcela Tomášková, Jaromír Roubec, Ivona Grygárková, Libor Havel, Michal Hrnčíř, Petr Opálka

Adapalene abrogates erlotinib-induced skin disorder by regulating proinflammatory cytokine production from human epidermal cells

Nanako Miwa (Kobe-City, Japan), Tatsuya Nagano, Daisuke Tamura, Ryota Dokuni, Kanoko Umezawa, Naoko Katsurada, Kyosuke Nakata, Masatsugu Yamamoto, Motoko Tachihara, Hiroshi Kamiryo, Kazuyuki Kobayashi, Yoshihiro Nishimura

Clinical, histological and molecular characteristics of lung cancer in patients under 30 years-old.

Agathe Ducrocq (ROUEN, France), Mathieu Salaün, Nicolas Piton, Aude Lamy, Florian Guisier, Luc Thiberville

Changes in targeted therapy and costs in NSCLC between 2009 and 2013

Julia Walter (Neuherberg, Germany), Rolf Holle, Amanda Tufman, Larissa Schwarzkopf

Accuracy of PD-L1 tumour staining of cytological and histological samples of lung adenocarcinoma

Carrie-Anne Wagner (Fitzroy North, Australia), Michael Christie, Louis Irving, Daniel Steinfert

Soluble sPD-L1 plasma concentrations in a series of 95 lung cancer patients

Dragana M. Jovanović (Beograd, Republic of Serbia), Jelena Kotur Stevuljević, Marina Roksandić - Milenković, Marioara Simon, Vesna Jerić, Spasoje Popević, Ivana Vukanić, Natalija Samardžić, Milica Kontić, Branislav Ilić

Impact of radiotherapy on outcomes of nivolumab in advanced non-small cell lung cancer: a case controlled study

Chinthaka Samaranyake (Sunshine Coast, Australia), John Coucher, Elizabeth McCaffrey, Margot Lehman, Michelle Murphy

Inhaled immunotherapy for lung cancer? Certainly possible.

Anastasios Kallianos (Athens, Greece), Pavlos Zarogoulidis, Dora Tsiouda, Aggeliki Rapti, Chrysanthi Sardeli, Haidong Huang, Wolfgang Hohenforst-Schmidt, Georgia Trakada, Konstantinos Sapalidis

Multimodal therapeutic approach for locally advanced NSCLC in everyday practice

Mihovil Roglić (Zagreb, Croatia), Filip Popović, Marina Labor, Sonja Badovinac, Marta Koršić, Marko Jakopović, Zoran Janevski, Josip Joachim Grah

The efficacy of induction chemoradiotherapy followed by surgery in stage IIIA-proven N2 NSCLC and the influence of lymph node downstage on the incidence of postoperative recurrence

Akiko Tateishi (Chiba (Kamogawa), Japan), Masafumi Misawa, Hiroaki Nomori, Masahiro Nemoto, Ryuta Tsuzuki, Ayumu Otsuki, Kei Nakashima, Yu Oyama, Hiroshi Sugimura, Kazufusa Shoji, Masahiro Aoshima

The efficacy and safety of induction chemoradiotherapy (ICRT) followed by surgery in stage III NSCLC patients (pts) with T3/4-adjacent organ invasion involved(AOI): A single-center retrospective observational study.

Masahiro Nemoto (Chiba, Japan), Masafumi Misawa, Hiroaki Nomori, Akiko Tateishi, Ryuta Tsuzuki, Ayumu Otsuki, Kei Nakashima, Yu Oyama, Hiroshi Sugimura, Kazufusa Shoji, Masahiro Aoshima

Survival impact of surgery in the treatment of stage IIIB-IVA non-small cell lung cancer

Seung Hun Jang (Anyang, Republic of Korea), Sojung Park, Chang Youl Lee, Ji Young Park, Joo-Hee Kim, Sunghoon Park, Yong Il Hwang, Ki-Suck Jung

Changes of diffusing capacity after neoadjuvant concurrent chemoradiotherapy: implication on postoperative pulmonary complications in non-small cell lung cancer patients

sumin shin (seoul, Republic of Korea), Yong Soo Choi, Jae Jun Jung, Yunjoo Im, Jong Ho Cho, Hong Kwan Kim, Jhingook Kim, Jae Ill Zo, Young Mog Shim, Ho Yun Lee, Hye Yun Park

MONITORING IMMUNODYNAMICS IN IMMUNE CHECKPOINT INHIBITOR THERAPY FOR STAGE IIIB/IV NON-SMALL CELL LUNG CANCER

Jani Sofia Almeida (Coimbra, Portugal), Daniela Bento, Patrícia Couceiro, Vera Alves, Manuel Santos-Rosa, Fernando José Barata, Paulo Rodrigues-Santos, Ana Maria Ferreira Rodrigues Figueiredo

A modified ILD-GAP index for patients with non-small cell lung cancer and interstitial lung disease

Haruki Kobayashi (Shizuoka, Japan), Tateaki Naito, Shota Omori, Kazuhisa Nakashima, Kazushige Wakuda, Akira Ono, Hirotsugu Kenmotsu, Haruyasu Murakami, Masahiro Endo, Toshiaki Takahashi

Management of concomitant COPD in patients with lung cancer

Magnus Gottlieb (København, Denmark), Kristoffer Marsaa, Anders Mellemgaard, Nina Skalvan Godtfredsen

Sleep disordered breathing and nocturnal hypoxemia are associated with an increased risk of lung cancer.

Luis Miguel Seijo Maceiras (Madrid, Spain), Maria Teresa Perez Warnisher, Luis Fernando Giraldo-Cadavid, Henry Oliveros, Elena Cabezas, Fernanda Troncoso, Teresa Gómez, Rosario Melchor, Erwin Javier Pinillos, Abdul El Hachem, Carolina Gotera, Paula Rodriguez, Nicolás González-Mangado, Germán Peces-Barba

10:45 - 12:45

Poster discussion: The world of idiopathic pulmonary fibrosis (IPF): global registries

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Imaging Epidemiology Public health Endoscopy and interventional pulmonology

Chairs : Carlo Vancheri (Catania (CT), Italy), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

What can we learn from Idiopathic Pulmonary Fibrosis Registries?

Taha Lodhi (Cheshire, United Kingdom), Colm Leonard, Pilar Rivera Ortega, Helen Morris, Tracey Marshall, Katherine Zakis, Theresa Garfoot, Conal Hayton, Melanie Greaves, John Blaikley, Nazia Chaudhuri

Predictors of death or transplant in patients with idiopathic pulmonary fibrosis in the IPF-PRO Registry

Laurie Snyder (Durham, United States of America), Megan L Neely, Anne Hellkamp, Emily O'Brien, Kevin R Flaherty, Joao De Andrade, Craig Conoscenti, Thomas Leonard, Shaun Bender, Mridu Gulati, Daniel A Culver, Robert J Kaner, Scott Palmer, Hyun J Kim

Outcome differences between idiopathic pulmonary fibrosis (IPF) and other interstitial lung diseases (ILD) - data from the EXCITING registry

Michael Kreuter (Heidelberg, Germany), Hans-Joachim Kabitz, Lars Hagmeyer, Peter Hammerl, Albert Esselmann, Conrad Wiederhold, Dirk Skowasch, Christoph Stolpe, Marcus Joest, Stefan Veitshans, Sabine Witt, Reiner Leidl, Andreas Hellmann, Michael Pfeifer, Juergen Behr, Andreas Guenther, Dagmar Kauschka, Felix J.F. Herth, Philipp Markart

The European IPF Registry: Addressing challenges and characteristics of patients with Idiopathic Pulmonary Fibrosis

Ekaterina Krauss (Giessen, Germany), Andreas Guenther, Walter Klepetko, Philippe Bonniaud, Carlo Vancheri, Athol Wells, Jasmin Wagner, Bettina Paul, Ulrich Costabel, Maria Asuncion Nieto Barbero, Veronika Mueller, Martina Vasakova, Alberto Pesci, Matteo Sofia, Fotios Drakopanagiotakis, Werner Seeger, Bruno Crestani

Baseline characteristics of 1461 participants in the Pulmonary Fibrosis Foundation Patient Registry

Kevin Flaherty (Chicago, United States of America), Joao De Andrade, Lisa Lancaster, Susan Limb, Kathleen Lindell, Steven Nathan, Ganesh Raghu, Cathie Spino, John Stauffer, Paul Wolters, Gregory Cosgrove

Forced vital capacity, total lung capacity and diffusion capacity in idiopathic pulmonary fibrosis

Ida Pesonen (Stockholm, Sweden), Jing Gao, Lisa Carlson, Marjukka Myllärniemi, Giovanni Ferrara, Magnus Sköld

Functional decline over time in patients with IPF treated with pirfenidone: the PROOF registry

Wim A Wuyts (Rotselaar, Belgium), Caroline Dahlqvist, Hans Slabbynck, Marc Schlessner, Natacha Gusbin, Christophe Compere, Sofie Maddens, Klaus-Uwe Kirchgaessler, Karen Bartley, Benjamin Bondue

Pirfenidone use in a Swedish cohort of patients with pulmonary fibrosis (PF)

Giovanni Ferrara (Stockholm, Sweden), Karen Bartley, Aaron Levine, Lisen Arnheim-Dahlstrom, Klaus-Uwe Kirchgaessler, Ragnar Linder, Christer Janson, C. Magnus Sköld

Real world idiopathic pulmonary fibrosis in the EMPIRE registry

Martina Vasakova (Praha 4, Czech Republic), Martina Sterclova, Nesrin Mogulkoc, Jan Kus, Veronika Müller, Marta Hajkova, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Mordechai Kremer, Michal Svoboda, Marketa Janotova

Differences in baseline characteristics of newly diagnosed IPF patents in the EMPIRE countries

Veronika Müller (Budapest, Hungary), Martina Šterclová, Nesrin Mogulkoc, Jan Kus, Marta Hájková, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Michal Svoboda, Markéta Janotová, Martina Vašáková

Bleeding risk in IPF patients treated with different anticoagulants: Real world data from the European MultiPartner IPF Registry (EMPIRE)

Abigél Margit Kolonics-Farkas (Budapest, Hungary), Martina Šterclová, Nesrin Mogulkoc, Jan Kus, Veronika Müller, Marta Hájková, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Mordechai Kramer, Michal Svoboda, Markéta Janotová, Martina Vašáková

Cryobiopsy in the diagnosis of diffuse parenchymal lung diseases: diagnostic strategy and complications in 699 patients

Claudia Ravaglia (Forlì, Italy), Sara Tomassetti, Alessandra Dubini, Sara Piciucchi, Venerino Poletti

Combined idiopathic interstitial pneumonia(IIP) and emphysema(E) in the Veterans Administration(VA) health system: characteristics, tobacco Use, and outcomes

Roy Pleasants (Cary, United States of America), Armando Bedoya, Robert Kundich, Anne Reihman, Karen Welty-Wolf, Robert Tighe

Interstitial lung disease rates and risk factors in a UK lung cancer screening trial

Theresia Mikolasch (Cambridge (Cambridgeshire), United Kingdom), Mamta Ruparel*, Jennifer Dickson, Carolyn Horst, Sophie Tisi, Samantha Quaife, Neal Navani, Magali Taylor, Asia Ahmed, Penny Shaw, Stephen Burke, May-Jan Soo, Angshu Bhowmik, Joanna Porter, Sam Janes

A simple prognostic tool for idiopathic pulmonary fibrosis (IPF)

Thomas Gille (Bobigny, France), Kim-Anastasia Levand, Marouane Boubaya, Loris Moya, Guillaume Bertrand, Zohra Carton, Carole Planès, Dominique Valeyre, Pierre-Yves Brillet, Hilario Nunes

Does body mass index have prognostic significance for patients with idiopathic pulmonary fibrosis?

Nesrin Mogulkoc (ZMR, Turkey), Martina Sterclova, Veronika Müller, Jan Kus, Marta Hajkova, Dragana Jovanovic, Jasna Tekavec-Trkanjec, Marketa Janotova, Martina Vasakova

Myositis-specific antibodies in a cohort of idiopathic interstitial pneumonias with suggestive morphologies.

Laurens De Sadeleer (Leuven, Belgium), Stijn Verleden, Ellen De Langhe, Nicolas Bodart, Alain Vigneron, Xavier Bossuyt, Bart Vanaudenaerde, Wim Wuyts

10:45 - 12:45

Poster discussion: Respiratory epidemiology: from COPD to factors that associate with lung function and infections

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory infections

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Public health

Chairs : Christer Janson (Uppsala, Sweden), Jennifer Quint (Wimbledon, United Kingdom)

Incidence of airflow obstruction over 20 years in Europe

Simone Accordini (Verona (VR), Italy), Lucia Calciano, Alessandro Marcon, Giancarlo Pesce, Josep Antó, Anna Beckmeyer-Borowko, Angelo Corsico, Medea Imboden, Christer Janson, Dirk Keidel, Francesca Locatelli, Cecilie Svanes, Deborah Jarvis, Nicole Probst-Hensch, Cosetta Minelli

Results from the Argentinean AATD Screening Program 2010-2017

Victoria Lorenzon (Ciudad Autónoma Buenos Aires, Argentina), Soledad Saez, Mariano Fernandez Acquier, Guillermo Menga, Martin Fernandez, Jose Oyhamburu, Patricia Sorroche

The impact of comorbidities on mortality in COPD, report from the OLIN COPD study.

Sami Sawalha (Boden, Sweden), Linnea Hedman, Helena Backman, Eva Rönmark, Bo Lundbäck, Nikolai Stenfors, Anne Lindberg

Long-acting inhalation treatment and the risk of urinary tract infection – a symmetry analysis

Daniel Pilsgaard Henriksen (Odense C, Denmark), Christian B. Laursen, Jane Winkel Sterndorf, Jesper Rømhild Davidsen, Jesper Hallas

The effect of inhaler switching on asthma and COPD patients

Chloe Bloom (London, United Kingdom), Ian Douglas, Liam Smeeth, Jenni Quint

Comparing objective inhaler use among COPD and Asthma populations

Heather Hoch (Denver, United States of America), Leanne Kaye, William Anderson, Rahul Gondalia, Meredith Barrett, Michael Tuffli, David Van Sickle, Stanley Szeffler, David Stempel

Persistence to COPD therapies and impact on exacerbations: a French claims data study

Faustine Dalon (Lyon, France), Gilles Devouassoux, Manon Belhassen, Gaelle Nachbaur, Camille Correia Da Silva, Lynda Sail, Christos Chouaid, Eric Van Ganse

The impact of patient characteristics on the Minimal Clinically Important Difference of COPD health status tools

Harma Alma (Groningen, Netherlands), Corina De Jong, Danijel Jelusic, Michael Wittmann, Michael Schuler, Robbert Sanderma, Konrad Schultz, Janwillem Kocks, Thys Van Der Molen

Follow-up desaturation in 6 minute walk tests and lung function decline in COPD patients

Marie Johanne Waatevik (Bergen, Norway), Tomas Eagan, Francisco Real, Jon Hardie, Per Bakke, Bente Frisk, Ane Johannessen

Impact of morning symptoms on 18-mo COPD outcomes across psychological distress status: a population-based study

Gregory Moullec (Montreal, Canada), Wan Tan, Pei Zhi Li, Norbert Feigler, Jean Bourbeau - On Behalf Of The Cancold Group

Pneumonia vs non-pneumonia in COPD exacerbations – different risks?

Gunnar Reksten Husebø (Fana, Norway), Rune Grønseth, Sverre Lehmann, Birger Lærum, Tomas Mikal Eagan

Association between type 2 diabetes, prediabetes and lung function: Results from the KORA cohort

Stefan Karrasch (Neuherberg, Germany), Vanessa Jäger, Barbara Thorand, Cornelia Huth, Kathrin Kahnert, Wolfgang Rathmann, Annette Peters, Dennis Nowak, Rudolf A. Jörres, Holger Schulz

Blood cell counts and C-reactive protein in relation to lung function in NHANES 2007-2010

Elisabet Nerpin (Falun, Sweden), Fonseca A João, Tiago Jacinto, Kjell Alving, Christer Jansson, Andrei Malinovski

Low dehydroepiandrosterone sulfate (DHEA-S) is associated with worse lung function in women.

Giancarlo Pesce (Paris, France), Kai Triebner, Diana Van Der Plaat, Dominique Courbon, Alessandro Marcon, Simone Accordini, Josep Anto, Sandra Dorado-Arenas, Jose Gullon, Jose Sanchez-Ramos, Isabelle Pin, Þórarinn Gíslason, Kjell Torén, Bertil Forsberg, Eva Lindberg, Elizabeth Zemp, Rain Jogi, Shyamali Dharmage, Nicole Probst, Deborah Jarvis, Judith Garcia-Aymerich, Francisco Gomez-Real, Benedicte Leynaert

Nontuberculous mycobacterial disease within UK primary care, 2006-2016

Eleanor Axson (London, United Kingdom), Chloe Bloom, Marko Obradovic, Roald Van Der Laan, Jennifer Quint

Sex differences in bronchiectasis patient characteristics: an analysis of the EMBARC cohort

Simon Finch (Perth (WA), United Kingdom), E. Polverino, F. Blasi, F. Ringshausen, A. De Soyza, M. Vendrell, P. Goeminne, W. Boersma, C. Haworth, M. Murris-Espin, A Dimakou, M Loebinger, R. Menendez, A. Torres, T. Welte, A. Hill, R. Wilson, S. Elborn, S. Aliberti, James D. Chalmers

10:45 - 12:45

Poster discussion: New diagnostic tools for sleep and breathing and healthcare provision options**Disease(s) :** Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Public health**Chairs :** Sebastian Ott (Bern, Switzerland), Winfried J. Randerath (Solingen, Germany)**Estimation of AHI using a single-channel EEG and home polygraphy signals**

Jade Vanbuis (Angers, France), Abdelkebir Sabil, Guillaume Baffet, Mathieu Feuilloy, Nicole Meslier, Frédéric Gagnadoux

Deep learning for scoring sleep based on cardiorespiratory signals as compared to auto and multiple manual sleep scorings based on neurological signals

Peter Anderer (Wien, Austria), Pedro Fonseca, Marco Ross, Arnaud Moreau, Andreas Cerny, Xavier Aubert, Mareike Klee

Detection and characterization of apneas using tracheal sound and suprasternal pressure signals

Thomas Penzel (Berlin, Germany), Abdel Kebir Sabil, Alexandra Günther, Martin Glos, Christoph Schöbel, Ingo Fietze

Multicentral Validation of automatic UWB Radar Algorithm Compared with Polysomnography in Adolescents

Yong Zhou (Hangzhou (Zhejiang), China), Kejing Ying, Enguo Chen, Guangyue Qin, Degui Shu, Jianjun Wang

Efficacy of a FOT-based auto-CPAP device for the treatment of obstructive sleep apnea

Simon Dominik Herkenrath (Köln, Germany), Marcel Treml, Norbert Anduleit, Karin Pietruska, Matthias Schwaibold, Winfried J. Randerath

Fixed-pressure CPAP versus auto-adjusting CPAP : Comparison of efficacy in obstructive sleep apnoea (OSAS) according to the individual level of efficient pressure and pressure variability.

Vanessa Bironneau (Angers, France), Frédéric Gagnadoux, Pierre Ingrand, Sandrine Pontier, Carmen Iamandi, Lorent Portel, Francis Martin, Anne Mallart, Lionel Lerousseau, Didier Alfandary, Virginie Levrat, Florence Portier, Renaud Tamisier, Frédéric Goutorbe, Claudio Rabec, François Codron, Guy Auregan, Magalie Mercy, Valérie Attali, Franck Soyeze, Claire Launois, Didier Recart, Marie-Françoise Vecchierini, Jean-Claude Meurice

Improved adherence with PAP therapy after switching from CPAP to bilevel for non-compliant OSA patients

Adam Benjafield (San Diego, United States of America), Atul Malhotra, Kate Valentine, Dongquan Liu, Yang Yan, Peter Cistulli, Holger Woehrle, Carlos Nunez, Jeff Armitstead, Jean-Louis Pepin

Residual excessive sleepiness in long term CPAP-treated patients: a leak problem?

(), Jean-Pierre Mallet, Carey M. Suehs, Christian Martinez, Arnaud Bourdin, Nicolas Molinari, Dany Jaffuel

Sleep disordered breathing (SDB): respiration simulation on a bench integrating polygraph data

Shuo Liu (Shenyang, China), Yann Retory, Amelie Sagniez, Sebastien Hardy, Francois Cottin, Gabriel Roisman, Michel Petitjean

Certification of fitness to drive in sleep apnea patients – are we doing the right thing?

Ludger Grote (Göteborg, Sweden), Sven Svedmyr, Kristina Andelid, Ding Zou, Lena Engelman, Jan Hedner

Effects on CPAP use of a patient support mobile app

Heather Engleman (Edinburgh (Edinburgh), United Kingdom), Christy Stitt, Lauren Creswick, Nuno Cachada, Matthew Thomas, Jonathan Leahy, Sarah Martin, Neena Derashri, Tom Kelly

Telemedicine(TM)-based strategy for management of obstructive sleep apnea (OSA): Virtual sleep unit

Vera Marcela Lugo Arrúa (Barcelona, Spain), Onintza Garmendia, Monique Suarez, Marta Torres, Concepción Ruiz, Ramón Farré, Josep Maria Montserrat

Primary Care Physicians Can Comprehensively Manage Sleep Apnea Patients using a semi-automatic algorithm

M^a Angeles Sanchez Quiroga (Plasencia, Spain), Jaime Corral Penafiel, Carmen Carmona Bernal, Maria Isabel Asensio Cruz, Marta Cabello, M^a Angeles Martinez Martinez, Carlos Javier Egea Santaolalla, Estrella Ordax, Ferran Barbe, Juan Fernando Masa Jimenez

A big data analysis of ASV therapy pressures

Adam Benjafield (San Diego, United States of America), Dongquan Liu, Haixiang Shi, Holger Woehrle, Peter Cistulli, Jeff Armitstead, Carlos Nunez, Jean-Louis Pepin, Atul Malhotra

Clinical and cost-effectiveness of a mandibular advancement device versus continuous positive airway pressure in moderate obstructive sleep apnea: a randomized controlled trial

Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Karin M. Vermeulen, Johannes Claessen, Wouter Jacobs, Jan Van Der Maten, Han Van Der Hoeven, Boudewijn Stegenga, Huib Kerstjens, Peter Wijkstra

Impact of lifestyle modification as part of a sleep service on CPAP requirement

Kay Roy (St Albans (Hertfordshire), United Kingdom), Glenda Esmond, David Evans

Randomized trial of oropharyngeal exercises plus incentive spirometry on patients with mild to moderate obstructive sleep apnea syndrome

Prapun Kittivoravitkul (Bangkok, Thailand), Chonlada Laohaviranit, Sorakai Wongpaiboonwatana

Treatment of sleep-disordered breathing with positional therapy: long-term results

Jolien Beyers (Edegem, Belgium), Marijke Dieltjens, Chloé Kastoer, An Boudewyns, Ilse De Volder, Ann Van Gastel, Johan A Verbraecken, Wilfried A De Backer, Marc J Braem, Paul H Van De Heyning, Olivier M Vanderveken

10:45 - 12:45

Oral presentation: Respiratory muscles and lung function: from healthy subjects to patients**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Physiology Epidemiology Imaging Cell and molecular biology**Chairs :** Sam Bayat (Grenoble, France), Danilo Cortozi Berton (Porto Alegre (RS), Brazil)

10:45 **Acute effects of inspiratory threshold load and interface on breathing pattern and activity of respiratory muscles**
Jéssica Danielle Medeiros da Fonsêca (Santa Cruz, Brazil), Vanessa Regiane Resqueti, Antônio José Sarmiento Da Nobrega, Luciana Fontes Silva Da Cunha Lima, Valéria Soraya Farias Sales, Andrea Aliverti, Guilherme Fregonezi

11:00 **Acute effects of normocapnic hyperpnoea exercise on intercostal and locomotor muscle oxygenation in COPD**
Ferid Oueslati (Québec (QC), Canada), Didier Saey, Eric Nadreau, Mickael Martin, Francois Maltais

11:15 **THE EFFECT OF PREGNANCY ON RESPIRATORY FUNCTION**
Antonella LoMauro (Milano (MI), Italy), Andrea Aliverti, Daniela Alberigo, Nicola Persico, Peter Frykholm, Federica Briganti, Mario Nosotti, Ilaria Righi

11:30 **Chest wall kinematics measured during inspiratory threshold loading, deep breathing maneuvers and CO2 rebreathing in individuals post-stroke.**
Jadranka Spahija (Montréal (QC), Canada), Karen Dev, Caroline De Marchie, Joyce Fung

11:45 **Pharmacometabolic effect of pirfenidone treatment in IPF detected by high resolution MALDI-FTICR imaging**
Isis Enlil Fernandez (München, Germany), Na Sun, Mian Wei, Michael Witting, Michaela Aichler, Stijn Verleden, Philippe Schmitt-Kopplin, Axel Walch, Oliver Eickelberg

12:00 **Reduced FEV3/FVC identifies smokers at risk of developing COPD in the SPIROMICS cohort**
Russell Buhr (Los Angeles, United States of America), Matthew Flynn, Xiaoyan Wang, William Lemaster, Brett Dolezal, David Couper, Wayne Anderson, Richard Kanner, Robert Paine, Robert Kaner, Jeffrey Curtis, Wanda O'Neal, Prescott Woodruff, Lisa Postow, Meilan Han, Fernando Martinez, Graham Barr, James Wells, Victor Ortega, Stephen Peters, Eric Hoffman, Claire Doerschuk, Victor Kim, Mark Dransfield, Surya Bhatt, Nirav Bhakta, Brad Drummond, Russell Bowler, Gerard Criner, Cheryl Pirozzi, Carlos Martinez, Christopher Cooper, Igor Barjaktarevic

12:15 **Airflow obstruction which corrects post-bronchodilator as a predictor of future development of COPD**
Russell Buhr (Los Angeles, United States of America), Igor Barjaktarevic, Xiaoyan Wang, Brett Dolezal, Matthew Flynn, David Couper, Wayne Anderson, Robert Paine, Robert Kaner, Jeffrey Curtis, Wanda O'Neal, Prescott Woodruff, Lisa Postow, Meilan Han, Fernando Martinez, Graham Barr, James Wells, Victor Ortega, Eric Hoffman, Claire Doerschuk, Victor Kim, Mark Dransfield, Surya Bhatt, Nirav Bhakta, Bradley Drummond, Russell Bowler, Gerard Criner, Carlos Martinez, Christopher Cooper, Richard Kanner

10:45 - 12:45

Oral presentation: Intercellular communication in tissue remodelling**Disease(s) :** Airway diseases Respiratory critical care Respiratory infections Interstitial lung diseases Sleep and breathing disorders**Method(s) :** Cell and molecular biology Imaging Epidemiology**Chairs :** Aurelie Fabre (Dublin, Ireland), Philippe Bonniaud (Dijon, France)

10:45 **Exosomal microRNAs in the lung: eliciting long-term intercellular communication?**
Tilman Sanchez-Elsner (Southampton (Hampshire), United Kingdom), Anastasios Lekkas, Toby Mellows, Eva M. Garrido-Martin, Peter H. Howarth, Peter S. Friedmann, Pandurangan Vijayanand, Christian Ottensmeier

11:00 **Sputum exosomal microRNAs in IPF**
Julien Guiot (Liège, Belgium), Makon-Sebastien Njock, Monique Henket, Olivier Nivelles, Renaud Louis, Ingrid Struman

11:15 **Impact of cigarette smoke exposure on the membrane protein composition of lung-derived extracellular vesicles - implication for inflammation**
Yasunari Kishino (Mölnådal, Sweden), Cecilia Lässer, Amir Smailagic, Shintaro Suzuki, Kyong-Su Park, Ganesh Shelke, Jan Lötvald

11:30 **Essential role of smooth muscle Rac1 in severe asthma associated-airway hyperresponsiveness and remodelling**
Florian Dilasser (Nantes, France), Antoine Magnan, Gervaise Loirand, Vincent Sauzeau

- 11:45** **Myofibroblasts are associated with increase in small airway thickening, epithelial plasticity and decreased lung function in COPD**
Mathew Eapen (Hobart (TAS), Australia), Chris Ward, Haydn Walters, James Markos, Collin Chia, Josie Larby, Greg Haug, Angela Hills, Tillie-Louise Hackett, Wenying Lu, Stephen Myers, Sukhwinder Singh Sohal
- 12:00** **Endothelial dysfunction in emphysematous rats exposed to intermittent hypoxia and interventional effects of tempol**
Yaping Zhao, Jie Cao, Lixia Dong, Jing Zhang, Haiyan Zhao, Xin Li, Speaker to be confirmed
- 12:15** **The effect of age on lung epithelial barrier function**
Kirsten Muizer (Groningen, Netherlands), Maaik De Vries, Wim Timens, Maarten Van Den Berge, Alen Faiz, Tillie-Louise Hackett, Corry-Anke Brandsma, Irene H. Heijink

10:45 - 12:45

Oral presentation: Multiomics studies in epidemiology: what can they tell us?

Disease(s) : **Airway diseases**

Method(s) : Epidemiology

Chairs : Erik Melén (Stockholm, Sweden), Seif Shaheen (London, United Kingdom)

- 10:45** **A weighted genetic risk score based on 279 signals of association with lung function predicts Chronic Obstructive Pulmonary Disease**
Louise Wain (Leicester (Leicestershire), United Kingdom), Nick Shrine, Anna Guyatt, Vicki Jackson, A. Mesut Erzurumluoglu, Chiara Batini, Nicola Reeve, . Spirometa Consortium, . Lung Eqtl Study, Brian Hobbs, Michael Cho, David Strachan, Andrew Morris, Ian Hall, Martin Tobin
- 11:00** **Heritability and genome-wide association study of diffusing capacity of the lung (DLCO)**
Natalie Terzikhan (Rotterdam, Netherlands), Fanfui Sun, Fien Verhamme, Hieab Adams, Daan Loth, Ken Bracke, Bruno Stricker, Lies Lahousse, Josée Dupuis, Guy Brusselle, George O'Conner
- 11:15** **Influence of gene-by-sex interaction on time-to-asthma onset: a large-scale genome-wide meta-analysis**
Emmanuelle Bouzigon (Paris, France), Raphael Veil, Hamida Mohamdi, Raquel Granell, Markus Ege, Maxim B. Freidin, Medea Imboden, Alan James, Debbie Jarvis, Elza K. Khusnutdinova, Catherine Laprise, Patricia Margaritte-Jeannin, Ludmila O. Ogorodova, Chloé Sarnowski, Marie-Hélène Dizier, A. John Henderson, Alexandra S. Karunas, Erika Von Mutius, Nicole M. Probst-Hensch, Bénédicte Leynaert, Florence Demeinai
- 11:30** **Maternal dietary antioxidant intake in pregnancy and childhood respiratory and atopic outcomes: birth cohort study**
Annabelle Bédard (Barcelona, Spain), Kate Northstone, John W Holloway, A John Henderson, Seif O Shaheen
- 11:45** **The effect of early puberty on asthma in women and men: A Mendelian randomization study**
Cosetta Minelli (London, United Kingdom), Diana Van Der Plaat, Bénédicte Leynaert, Raquel Granell, Andre F.S. Amaral, Miguel Pereira, Osama Mahmoud, James Potts, John Thompson, Debbie Jarvis, George Davey-Smith, John Henderson
- 12:00** **Identification of novel rare genetic variants associated with COPD in the general population**
Maaik de Vries (Groningen, Netherlands), Diana A. Van Der Plaat, Ivana Nedeljkovic, K. Joeri Van Der Velde, Najaf Amin, Cornelia Van Duijn, Judith M. Vonk, H. Marika Boezen, Cleo C. Van Diemen
- 12:15** **A whole genome sequencing association study of severe, uncontrolled asthma**
Diana Chang (South San Francisco, United States of America), David Choy, Tushar Bhangale, Art Wuster, Zia Khan, Amy Dressen, Karen Cuenco, Lorena Riol Blanco, Joseph R. Arron, Mark Wilson, Rajita Pappu, Tangsheng Yi, Daniel Lafkas, Tracy Staton, Fang Cai, Rebecca Bauer, Cecile Holweg, Dorothy Cheung, Hubert Chen, Joseph Lin, Alex Abbas, John Matthews, Julie Olsson, Jens Reeder, Kiran Mukhyala, Jennifer Tom, Amy Cowgill, Jan Vogel, Bill Forrest, Matt Brauer, Julie Hunkapiller, Robert R. Graham, Tim Behrens, Brian Yspan

10:45 - 12:45

Oral presentation: Interventional pulmonology highlights in 2018: latest innovations

Disease(s) : **Thoracic oncology** **Interstitial lung diseases** **Airway diseases** **Respiratory infections**

Method(s) : Endoscopy and interventional pulmonology Imaging

Chairs : Maren Schuhmann (Heidelberg, Germany)

- 10:45** **Confocal Laser Endomicroscopy (CLE) as a Guidance Tool for Transbronchial Lung Cryobiopsies in ILD**
Lizzy Wijmans (Amsterdam, Netherlands), Daniel De Bruin, Joris Roelofs, Rene Jonkers, Peter Bonta, Venerino Poletti, Juergen Hetzel, Joke Annema

- 11:00 Transbronchial cryobiopsy from two different lobes versus one lobe in diffuse parenchymal lung diseases**
Daniela Patrícia Cunha Machado (Rio Tinto, Portugal), Gisela Lage, Catarina Marques, Filipa Lima, Inês Marques, Carla Nogueira, Ana Oliveira, José Almeida, Sérgio Campinha, Agostinho Sanches, Sofia Neves
- 11:15 Endobronchial Ultrasonography Elastography for predicting malignancy**
Benan Caglayan (Istanbul, Turkey), Sinem Iliaz, P Nar Bulutay, Ay E Armutlu, Fatma Isil Uzel, Ay E Bilge özTürk, Leyla Pur öZyi It
- 11:30 Mini-thoracoscopy vs Semirigid Thoracoscopy in Undiagnosed Exudative Pleural Effusions: A Randomized Controlled Trial**
Karan Madan (New Delhi (Delhi), India), Shweta Bansal, Saurabh Mittal, Anant Mohan, Vijay Hadda, Deepali Jain, Sudheer Arava, Prabhat Malik, Gopi Khilnani, Ravindra Pandey, Randeep Guleria
- 12:00 Bronchoscopic Biopsy of Solitary Pulmonary Nodules with No Leading Airway Path**
Felix J.F. Herth (Heidelberg, Germany), Shiyue Li, Jiayuan Sun, Bing Lam, Daniel Nader, Jennifer Idris
- 12:15 Preclinical testing of custom-made airway stents**
Anja Lena Thiebes (Aachen, Germany), Donnacha J. Mcgrath, Kathrin Kurtenbach, Johanna Clauser, Barry O'Brien, Peter E. Mchugh, Stefan Jockenhoefel, Christian G. Cornelissen

10:45 - 12:45

Oral presentation: New predictors of morbidity and mortality in COPD

Disease(s) : **Airway diseases** **Respiratory critical care**

Method(s) : General respiratory patient care Epidemiology Imaging

Chairs : David M. G. Halpin (Exeter Devon, United Kingdom), Stephanie Everaerts (Leuven, Belgium)

- 10:45 Disease progression patterns in COPD**
Alexandra Louise Young (London, United Kingdom), Felix John Samuel Bragman, Alexandra Louise Young, David J Hawkes, Daniel C Alexander, John R Hurst
- 11:00 Longitudinal stability and association with all-cause mortality of the 2017 GOLD groups in the ECLIPSE cohort**
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Maria Rosa Faner Canet, Guillaume Noell, Per Bakke, Edwin K. Silverman, Ruth Tal-Singer
- 11:15 The value of short physical performance battery (SPPB) as an alternative component of the BODE Index in predicting death in chronic obstructive pulmonary disease (COPD) in the ERICA cohort.**
Jilles Fermont (Cambridge (Cambridgeshire), United Kingdom), Marie Fisk, Charlotte Bolton, John Cockcroft, Carmel Mceniery, Jonathan Fuld, Divya Mohan, Ruth Tal-Singer, Hana Mullerova, Angela Wood, Ian Wilkinson, Michael Polkey
- 11:30 Soluble urokinase plasminogen activator receptor (suPAR) predicts mortality in exacerbated COPD**
Ditte Vendelbo Jørgensen (Hvidovre, Denmark), Nina Skalvan Godtfredsen, Kristoffer Marsaa, Charlotte Suppli Ulrik, Ove Andersen, Jesper Eugen-Olsen, Line Jee Hartmann Rasmussen
- 11:45 Role of different spirometric reference equations for lung volumes assessment**
Gianluca Imeri (Bergamo, Italy), Fulvio Braido, Marco Contoli, Angelo Corsico, Fabiano Di Marco, Claudio Micheletto, Girolamo Pelaia, Paola Rogliani, Roberta Trapasso, Pierachille Santus, Nicola Scichilone, Paolo Solidoro, Giovanni Sotgiu
- 12:00 Novel spirometry indices detect mild airflow obstruction not detected by traditional criteria**
Surya Bhatt (Birmingham, United States of America), Nirav Bhakta, Carla Wilson, Chris Cooper, Igor Barjaktarevic, Sandeep Bodduluri, Young-Il Kim, Michael Eberlein, Prescott Woodruff, Frank Sciurba, Peter Castaldi, Meilan Han, Mark Dransfield, Arie Nakhmani
- 12:15 Clinical clustering of COPD patients is useful to predict future COPD exacerbations**
Andrei Malinowski (Uppsala, Sweden), Christer Janson, Kristina Bröms, Björn Ställberg, Karin Lisspers, Marieann Högman

10:45 - 12:45

Oral presentation: Granulomatous disorders: epidemiology, genotype and phenotype

Disease(s) : **Interstitial lung diseases**

Method(s) : Cell and molecular biology Imaging Epidemiology Physiology General respiratory patient care Public health

Chairs : Athol Wells (London, United Kingdom), Dominique Valeyre (Paris, France)

10:45	Risk of underdiagnoses of cardiac sarcoidosis by routine electrocardiogram and echocardiogram in patients with biopsy-proven extracardiac sarcoidosis Hiroshi Ohira (Sapporo, Japan), Keiichiro Yoshinaga, Shinya Sakiyama, Toshitaka Nakaya, Naoko Suzuki, Ayako Sugimoto, Akiko Hayashishita, Tadao Aikawa, Takahiro Sato, Osamu Manabe, Noriko Oyama-Manabe, Taku Watanabe, Masaharu Nishimura, Ichizo Tsujino
11:00	Pulmonary function trends predict mortality in patients with hypersensitivity pneumonitis Cristina Boccabella (L'Aquila (AQ), Italy), Claudio Macaluso, Maria Kokosi, Veronica Alfieri, Carmel Stock, Vasilis Kouranos, George Margaritopoulos, Letizia Mori, Joseph Barnett, Philip Molyneaux, Peter George, Felix Chua, Toby Maher, Sujal Desai, Joseph Jacob, Anand Devaraj, Athol Wells, Elisabetta Renzoni
11:15	Diminished peripheral T cell activity in sarcoidosis associates with progressive disease. Cody Schott (Chicago, United States of America), Christian Ascoli, Yue Huang, David Perkins, Patricia Finn
11:30	Cardiac sarcoidosis: a tertiary centre experience Vasileios Kouranos (London, United Kingdom), Rakesh Sharma, Rajdeep Khattar, John Baksi, Maria Kokosi, Sanjay Prasad, Kshama Wechalekar, Richard Underwood, Martin Cowie, Athol Wells
11:45	Peripheral blood memory T-helper (Th) 17 subsets in patients with chronic and acute pulmonary sarcoidosis Olga P. Baranova (St. Petersburg, Russian Federation), Tatyana Ses, Igor Kudryvzev, Nataliya Lazareva, Mariya Serebryakova, Mikhail Ilkovich, Areg Totolyan
12:00	Clinical phenotypes of extra-pulmonary sarcoidosis. The EpiSarc study Raphael Lhote (Suresnes, France), Fleur Cohen-Aubart, Hilario Nunes, David Launay, Karim Sacré, Raphael Borie, Nicolas Schleinitz, Mohamed Hamidou, Hervé Devilliers, Philippe Bonniaud, Matthieu Mahevas, François Lhote, Thomas Papo, Julien Haroche, Bertrand Godeau, Marc Michel, Zahir Amoura, Dominique Valeyre, Isabella Annesi-Maesano
12:15	Genetic Profiles of Clinical Features in Sarcoidosis Jonas Schupp (Freiburg, Germany), Sandra Freitag-Wolf, Annegret Fischer, Violeta Mihailovi -Vu ini, Paola Rottoli, Antje Prasse, Stefan Schreiber, Michael Krawczak, Joachim Müller-Quernheim

11:00 - 13:00

Professional development: PDW5 Teamability: become an effective team leader and member

Aims : Participants will increase their ability to identify characteristics of effective and ineffective teams, team leaders and team members; to identify their own and others' style of team interaction and how to bridge across styles; to utilise skills in relationship building, managing differences and building trust and collaboration; and to collaboratively lead and participate in healthcare teams.

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Physiology Public health Pulmonary function testing Respiratory intensive care Surgery Transplantation

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Louellen N. Essex (Wayzata, United States of America), Gernot G.U. Rohde (Frankfurt am Main, Germany)

What makes a healthcare team effective?

Louellen N. Essex (Wayzata, United States of America)

Stages of team development: how to lead and participate effectively

Louellen N. Essex (Wayzata, United States of America)

Question and answer session

Louellen N. Essex (Wayzata, United States of America)

Action planning: how to apply what has been learned

Louellen N. Essex (Wayzata, United States of America)

12:30 - 17:00

Game Zone: GAME ZONE - SESSION 4

12:50 - 14:40

Thematic poster: New methods and concepts in exercise testing

Disease(s) : Interstitial lung diseases Airway diseases Respiratory infections Sleep and breathing disorders Pulmonary vascular diseases Respiratory critical care

Method(s) : General respiratory patient care Imaging Epidemiology Physiology Public health Respiratory intensive care

Chairs : Frédéric Costes (Saint-Etienne, France), Asterios Kampouras (Thessaloniki, Greece), J. Alberto Neder (Kingston (ON), Canada), Elizabeth Smith (Wythenshawe (Manchester), United Kingdom)

6-minute walk test with headphones

Rita Boaventura (Porto, Portugal), Leonor Almeida, Francisco Machado, Ermelinda Moreira, Pedro Amorim, Ana Pimentel, Joana Chaves Pipa, Andreia Neves, Patrícia Teles, Natália Martins, Marta Drummond

Sensitivity and specificity of Wasserman's cardio-pulmonary exercise test protocol in comparison with physician diagnosis after three-month followup

Hamidreza Abtahi (Tehran, Islamic Republic of Iran), Samira Kaffan, Shirin Izadi, Mehrnaz Asadi-Gharabaghi, Besharat Rahimi, Shahrokh Izadi

Cardiopulmonary exercise testing (CPET) patient survey

Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom), Pippa Powell, Ioannis Vogiatzis, Dimitris Kontopidis, Helge Hebestreit

Flattening of pulse oxygen during cardiopulmonary exercise testing (CPET) and associated factors in non-cardiopathic adults: cross-sectional results from the EPIMOV study

Victor Dourado (Santos (SP), Brazil), Vitor Almeida, Flavio Almeida, Evandro Sperandio, Marcello Romiti, Antonio Gagliardi, Rodolfo Arantes

Reference equation for the six-minute walk distance of healthy Nigerian school-aged children

Peter Odion Ubuane (Lagos, Nigeria), Ayodeji Akinola, Omotola Ajayi, Barakat Animasahun, Fidelis Njokanna, Olufunke Ajiboye

Cross-site external biological control (BioQC) in cardiopulmonary exercise testing (CPET) equipment.

Courtney Dos Santos (London, United Kingdom)

Effects of intravenous iron on hypoxic pulmonary vasoconstriction and maximal exercise capacity during sustained (8 h) hypoxia in healthy volunteers.

Nick Talbot (Oxford (Oxfordshire), United Kingdom), Hung-Yuan Cheng, Thomas Smith, Keith Dorrington, Peter Robbins

Establishing normal laryngeal resistance measurements for the Continuous Laryngoscopy Exercise (CLE)-Test.

Zoe Fretheim-Kelly (oslo, Norway), Ola Røksund, John-Helge Heimdal, Hege Clemm, Marie Vollsæter, Thomas Halvorsen

Exercise fear-avoidance beliefs and self-reported physical activity in young adults with asthma and healthy controls

Thomas Janssens (Leuven, Belgium), Lieven Dupont, Andreas Von Leupoldt

Value of cardiopulmonary exercise testing in interstitial lung diseases

Gonçalo António Cintrão Samouco (Aguilva-Cacém, Portugal), Rebeca Natal, João Costa, Andreia Filipa Carriço, Ana Filipa Fernandes, Luís Vaz Rodrigues

Evaluation of exercise capacity and mechanisms of limitation during cardiopulmonary exercise testing (CPET) in patients with chronic hypersensitivity pneumonitis

Olivia Meira Dias (São Paulo (SP), Brazil), Bruno Baldi, Jeferson Pereira, Leticia Cadenas, Francesca Pennati, Caterina Salito, Carlos Carvalho, Andrea Aliverti, André Albuquerque

The relationship between measured and estimated oxygen uptake in patients with pulmonary tuberculosis

Mikhail Chushkin (Moscow, Russian Federation), Natalia Karpina, Lydia Popova, Oleg Ots, Olga Nenasheva, Petr Struchkov

Evaluation of the sub-maximal aerobic capacity of patients with rheumatoid arthritis (RA): preliminary data

Helmi Ben Saad (Sousse, Tunisia), Safaa Belghali, Sadok Lataoui, Fatma Guezguez, Khadija Baccouche, Raja Elamri, HéLa Zegloui, Elyes Bouajina

Borg dyspnea scale and 6 Minute Walk Test could be useful tools for assessing respiratory involvement in systemic lupus erythematosus

Mariana Cebanu (Chisinau, Republic of Moldova), Victoria Sadovici-Bobeica, Virginia Salaru, Maria Garabaiu, Gheorghe Ciobanu

Is it possible to perform cardiopulmonary exercise test in laryngectomized patients?

Danielle Cristine Campos Bedin (São Paulo (SP), Brazil), Roberta Pulcheri Ramos, Elaine Brito Vieira, Sonia Maria Faresin, Luiz Eduardo Nery

Impact of diastolic dysfunction on exercise capacity in patients with liver cirrhosis

Teresa Sassmann (Graz, Austria), Gabor Kovacs, Rudolf Stauber, Fabio Revelant, Vasile Foris, Susanne Pfeiffer, Fabian Gruber, Vanessa Stadlbauer, Daniela Kniepeiss, Gernot Zollner, Peter Fickert, Alexander Avian, Andrea Olschewski, Horst Olschewski, Philipp Douschan

The impact of dyspnea catastrophizing on the neural processing of respiratory sensations in patients with COPD.

Thomas Reijnders (Heverlee, Belgium), Thierry Troosters, Wim Janssens, Rik Gosselink, Daniel Langer, Paul Davenport, Andreas Von Leupoldt

12:50 - 14:40

Thematic poster: Critically ill patients: prognostic factors and biomarkers

Disease(s) : Respiratory critical care Respiratory infections Airway diseases

Method(s) : Respiratory intensive care Physiology General respiratory patient care Surgery

Chairs : John Laffey (Toronto (ON), Canada), Annia Fleur Schreiber (Torino (TO), Italy), Claudia Crimi (Catania (CT), Italy)

Short and long-term prognosis of elderly patients (pts) subjected to invasive mechanical ventilation (IMV) in the intensive care unit (ICU)

Paula Ines Pedro (Odivelas, Portugal), Rui Gomes, Lucinda Oliveira, Antero Fernandes

Quality of life before intensive care unit admission and its influence on mortality: Preliminary results

Ezgi Özyilmaz (Adana, Turkey), Ozlem Ozkan Kusu, Gulsah Orhan, Emre Karakoc, Gulsah Seydaoglu, Rengin Guzel

Early identification of patients at risk for acute respiratory distress syndrome among severe pneumonia: a retrospective cohort study

Jian Luo (Chengdu (Sichuan), China), Jian Luo, He Yu, Yuehong Hu, Dan Liu, Yiwei Wang, Maoyun Wang, Binmiao Liang, Zongan Liang

Delirium as a predictor of high flow nasal cannula failure in patients with acute respiratory failure

Ryosuke Imai (Tokyo, Japan), Ryosuke Tsugitomi, Torahiko Jinta, Ui Yamada, Kazuhiro Aoki, Tomohide Tamura

Factors affecting success of high flow oxygen therapy in acute hypoxemic respiratory failure

Emel Eryüksel (Istanbul, Turkey), Huseyin Arikan, Umut Kasapoglu, Erdem Yalcinkaya, Aysen Erer, Sehnaz Olgun Yildizeli, Sait Karakurt

Predicting factors for the failure of high flow nasal cannula therapy in patients with acute respiratory failure

Seung Hoon Kim (Suwon, Republic of Korea), Chi Hong Kim, Shin Young Kim, So Hyang Song, Sung Kyoung Kim

Implementation of educational measure for adjustment of target saturation in patients of intensive care unit: cross-sectional study

Aline Heidemann (Campinas, Brazil), Bianca Ferrari, Gabriela Nahas, Lidiane Souza, Rodrigo Tonella, Desanka Dragosavac, Luciana Figueiredo, Erica Gastaldi

Impact of early antibiotic therapy (EAT) on outcome of patients with sepsis at the emergency room of National Kidney and Transplant Institute

Irene Rosellen Tan (Manila, Philippines), Myrna Mendoza

A retrospective observational study of predictive correlation of pre-operative respiratory status with post-operative course(hospital stay, ICU & assisted ventilation).

Bharat Toshniwal (Nanded (Maharashtra), India), Gauri Godbole, Vipin Aggarwal, Hardik Patel

Peripheral venous blood gas analysis versus arterial blood gas analysis for the diagnosis of respiratory failure and metabolic disturbance in adults.

Anthony Byrne (Sydney (NSW), Australia), Michael Bennett, Rebecca Symons, Robindro Chatterji, Nathan Pace, Paul Thomas

Increased bronchoalveolar lavage fluid peroxiredoxin 6 levels in acute respiratory distress syndrome

Dong Yang (Shanghai, China), Xiaocen Wang, Jie Liu, Chen Bao, Yuanlin Song

eNAMPT as a novel diagnostic and prognostic biomarker in critically ill septic patients

Irene Karampela (Athens, Greece), Evangelia Kandri, Gerasimos-Socrates Christodoulatos, Evangelia Chrysanthopoulou, George Skyllas, George Antonakos, Evangelos Voyatzakis, Apostolos Armaganidis, Maria Dalamaga

Resistin may predict severity and mortality in critically ill septic patients

Irene Karampela (Athens, Greece), Gerasimos-Socrates Christodoulatos, Evangelia Kandri, Evangelia Chrysanthopoulou, George Skyllas, George Antonakos, Evangelos Voyatzakis, Apostolos Armaganidis, Maria Dalamaga

Circulating eNAMPT and resistin as emerging biomarkers in sepsis

Irene Karampela (Athens, Greece), Evangelia Kandri, Gerasimos-Socrates Christodoulatos, George Skyllas, Evangelia Chrysanthopoulou, George Antonakos, Evangelos Voyatzakis, Apostolos Armaganidis, Maria Dalamaga

Effect of body mass index on B-type natriuretic peptide levels in critically ill patients

Jae Joon Hwang (Seoul, Republic of Korea), Seoung Woo Han, Yong Suk Jo, Kyung Won Kim, Cheon Woong Choi

Comparison of acid-base interpretation by Henderson-Hasselbach, base excess and Stewart methods using SMART MEDIC application

Yusup Subagio Sutanto (surakarta, Indonesia), Dian Apriliana, Reviono Reviono, Jatu Aphridasari, Dewi Nurul Makhabah, Sukirman Siswanto

Procalcitonin and clinical pulmonary infection score as predictors of stroke associated pneumonia.

Alaa Metwaly (Zagazig, Egypt), Takwa Hussieny, Hanaa Hosny

Follow-up of the TIE index can predict success at prolonged weaning

Leonardo Souza (Rio De Janeiro (RJ), Brazil), Bruno Guimarães, Fernando Guimarães, Jocemir Lugon

12:50 - 14:40

Thematic poster: COPD, asthma and tuberculosis: benefits related to therapy costs

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory infections Thoracic oncology

Method(s) : General respiratory patient care Public health Epidemiology Surgery Endoscopy and interventional pulmonology

Chairs : Robab Breyer-Kohansal (Wien, Austria), Chair to be confirmed

Cost analysis of FeNO for asthma diagnosis in primary care in Germany.

Christian Ernst (Stuttgart, Germany), Anna Dick, Sandra Wegner, Tanja Wollensak

Identifying predictors of healthcare utilization and costs in COPD patients over 18 months: first longitudinal results of the COSYCONET cohort

Johanna Lutter (Neuherberg, Germany), Danalyn Byng, Rolf Holle, Rudolf A. JöRres, Annika Karch, Stefan Karrasch, Holger Schulz, Claus F. Vogelmeier, Margarethe E. Wacker

Cost-effectiveness of the fixed-dose combination tiotropium + olodaterol based on the DYNAGITO trial results

Martine Hoogendoorn (Rotterdam, Netherlands), Isaac Corro Ramos, Michael Baldwin, Laura Luciani, Cecile Fabron, Bruno Detournay, Maureen Rutten-Van Mölken

Cost-effectiveness of a single inhaler triple therapy versus ICS/LABA in COPD

Alan A. Martin (Uxbridge (Middlesex), United Kingdom), Dhvani Shah, Emma C Goodall, Melanie Schroeder, Nancy Risebrough, Kerigo Ndirangu, Afisi S Ismaila

Impact of once-daily single inhaler triple therapy on healthcare resource utilization and associated costs in COPD patients in Spain

Laura Atienza (Tres Cantos, Madrid, Spain), Nicole Benjamin, Melanie Schroeder, Laura Amanda Vallejo-Aparicio, Chandroday Biswas, Dhvani Shah, Afisi S. Ismaila

Costs of COPD exacerbations in a general population.

Marta Erdal (Bergen, Norway), Ane Johannessen, Tomas Mikal Eagan, Per Bakke, Amund Gulsvik, Jan Erik Askildsen, Rune Grønseth

Patient preference for COPD treatment inhalers: A Discrete Choice Experiment (DCE) in France – Results of a Pilot Study

Christos Chouaid (Créteil Cedex, France), Nicola Germain, Gérard De Pouvourville, Samuel Aballéa, Daria Korchagina, Mike Baldwin, Katell Le Lay, Laura Luciani, Philippe Devillier

Reducing plastic waste, carbon footprint and cost: inhaler recycling at Musgrove Park Hospital

Alexandra Dipper (Bristol (Avon), United Kingdom), Louise Anning, Antony Zorzi, Lauren Thrush, Theresa Schulz, Daniel Higbee, Prateek Nalwaya, Alexander Maidwell-Smith, Justin Pepperell

Direct/Indirect costs and QoL in Greek patients with COPD and Bronchial Asthma

Konstantinos Zarogoulidis (Thessaloniki, Greece), Vasiliki Zarogoulidou, Malamatenia Arvanitidou-Vagiona, Despoina Papakosta, Theodoros Kontakiotis, Despoina Ioannidou, Maria Mavroudi, Paul Zarogoulidis, Konstantinos Porpodis, Michail Siarkos

An audit of supplemental oxygen prescribing practices in an inpatient setting and its financial burden.
Sridesh Nath (Brooklyn, United States of America), Sarath Nath, Shweta Kumar, Fei Yang Liang, Christian Abraham, Naila Shereen, Jason Green, Miguel Ramirez, Aaliya Burza, Patrick Geraghty

Household expenditure for tuberculosis care, its determinants and coping strategies among adults 18 years and older of Karachi, Pakistan.
Shama Razzaq (Karachi, Pakistan), Aysha Zahidie, Zafar Fatmi

Cost-utility analysis of a Home-based disease management intervention for patients with severe COPD in the COMET study.
Denis GRANADOS (Gentilly, France), Jean Bourbeau, Isabelle Durand-Zaleski, Stéphane Roze, Romain Kessler

Patient views on payment for trial participation
Rebecca Dobra (London, United Kingdom), Tracy Higgins, Katherine Huband, Emily Guilment, Sharon Fleming

Determination of Attitudes of Turkish Thoracic Society Members on Exposure to Sexist Approach and Sexism in Business Life
Birsen Ocaklı (Istanbul, Turkey), Arzu Yorgancioglu, Füsün Topcu, Nurdan Köktürk, Hilal Alt nöz, Yesim Yasin, I lknur Genc Kuzuca, Serap Duru, Elif Ozari Yildirim, Tulin Sevim, Serpil Tekgul, Eylem Acarturk Tuncay, Sinem Gungor, Basak Goktas, Yesim Yigiter Senol, Cansel Atinkaya Ozturk, Ipek Ozmen, Cagla Pinar Tastan, Seyhan Us Dulger, Esra Uzaslan, Fatma Erboy, Emine Aksoy, Pinar Yildiz Gulhan, Ali Kocabas, Bilun Gemicioglu, Salih Topcu, Goksel Altinisik, Pinar Celik, Tts Women Lung Care Work ng Group

Quality indicators in pleural pathology
Herminia Ortiz Mayoral (, Spain), Reyes Calzado López, Rosario Melchor Iñiguez, Nuria Abad Santamaría, Maria Teresa Río Ramirez, Ismael Ali García, Bárbara Steen, Mercedes Izquierdo Patrón, Beatriz Morales Chacón

Prospective study of last minute cancellations of thoracic surgery operations and preventive measures
Cagatay Tezel (Istanbul, Turkey), onur derdiyok, Serdar Evman , Serda Kanbur, Mine Demir, Levent Alpaly , Volkan Baysungur

Training on the Practical approach to Lung Health- 3 years experience in the Republic of Macedonia
Biljana Ilievaska Poposka (Skopje, FYROM (Macedonia)), Maja Zakoska

12:50 - 14:40

Thematic poster: New methods and concepts in tests of lung and respiratory muscle function

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care

Method(s) : General respiratory patient care Imaging Physiology Respiratory intensive care

Chairs : Christina M. Spengler (Zürich, Switzerland), Luiza Helena Degani-Costa (São Paulo (SP), Brazil), Joaquim Gea Guiral (Barcelona, Spain), Chair to be confirmed

Defining and grading an obstructive ventilatory defect (OVD) in 2018
Rim Kammoun (Sfax, Tunisia), Amani Sayhi, Ines Ghannouchi, Souhail Slama, Mohamed Moez Ben Sayah, Halima Ben Salem, Mohamed Ben Saad, Mohamed Salah Tlili, Helmi Ben Saad

Dose omission to shorten methacholine challenge testing: clinical consequences and safety of the use of a "10% fall in FEV1" threshold
Valérie Levesque (Montreal, Canada), Claude Poirier, Bruno-Pierre Dube

Armspan replacing height to reach spirometric reference values
Nuno Filipe Teixeira China Pereira (Porto, Portugal), Aniel@sapo.Ptdaniel Vaz, Joana Gomes, Inês Ladeira, Ricardo Lima, Miguel Guimarães

What is the proportion of patient with asthma, COPD and ILD who have normal auscultatory lung sounds?
Neerja Shastri (Pune (Maharashtra), India), Shirikant Pawar , Sundeep Salvi , Yogesh Thorat, Vandana Das

Comparison of GLI 2012 and NHANES III for diagnosing airway obstruction in Vietnamese patients at Ho Chi Minh City
Tai Tran Quoc (Ho Chi Minh, Vietnam), Lan Le Thi Tuyet

The Usefulness of Forced Oscillation Technique to assess lung functions in Patients with Lysosomal Storage Diseases

Afaf Alblooshi (Al-Ain, United Arab Emirates), Abdul-Kader Souid, Fatma Al Jasmi, Alison John (alison.john@nottingham.ac.uk / University of Nottingham, Nottingham), Stefan Offermanns (stefan.offermanns@mpi-bn.mpg.de / Max Planck Institute for Heart and Lung Research, Bad Nauheim), Gisli Jenkins (gisli.jenkins@nottingham.ac.uk / University of Nottingham, Nottingham)

Non-invasive measurement of lung inhomogeneity in patients who suffered a primary spontaneous pneumothorax

Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Nick Smith, Nayia Petousi, Nick Talbot, Grant Ritchie, Najib Rahman, Peter Robbins

Acoustic wave propagation in the tracheobronchial tree in healthy and asthmatic subjects

Andrea Aliverti (Milan, Italy), Lorenzo Aliboni, Francesca Pennati, Thomas Royston

Assessment of ventilatory mechanics in respiratory muscle weakness using structured light plethysmography

Brendan Cooper (Edgbaston (Birmingham), United Kingdom), James Stockley, Liam O'Reilly

Validation of breathing frequency algorithms in impedance pneumography

Carol Smyth (Salford (Lancashire), United Kingdom), John Dickinson, Samantha Winter

Validation study of the AirGo™ device for continuous monitoring of respiratory function

Andrea Antonelli (Cuneo (CN), Italy), Alessia Stanzi, Federico Mazza, Massimiliano Venturino, Paolo Noceti, Dario Guilizzoni, Andrea Aliverti, Giulio Melloni

Baseline FeNO is an independent predictive marker of Exercise-Induced Bronchoconstriction (EIB)

Matteo Bonini (London, United Kingdom), Jacopo Messina, Simone Petrarulo, Daniel Piamonti, Marcello Di Paolo, Marco Brunori, Paolo Palange, Omar Usmani

Pilot data of the short-term effects of e-cigarette vaping on lung function

Brendan Cooper (Edgbaston (Birmingham), United Kingdom), James Stockley, Elizabeth Sapey, Simon Gompertz, Ross Edgar

Alterations in oxygen consumption during acute exacerbations of COPD

Alice Cottee (Sydney (NSW), Australia), Leigh Seccombe, Cindy Thamrin, Gregory King, Matthew Peters, Claude Farah

Effect of inhaled vaporized cannabis on dynamic airway function, breathlessness and exercise intolerance in adults with advanced COPD: A randomized controlled trial

Sara Abdallah (Montréal (QC), Canada), Benjamin Smith, Mark Ware, Michelle Moore, Pei Zhi Li, Jean Bourbeau, Dennis Jensen

Changes in lung function in a rodent model of diabetes mellitus

Roberta Südy (Szeged, Hungary), Álmos Schranc, Bence Ballók, Jozsef Tolnai, Barna Babik, Ferenc Peták

Impact of natural sleep, sedation and hypercapnia on physiological ventilation variability: an experimental study

André dos Santos Rocha (Genève, Switzerland), Gergely H Fodor, Sam Bayat, Walid Habre

The effects of variable ventilation patterns in an animal model of ARDS

Gergely H. Fodor (Genève, Switzerland), Andre Dos Santos Rocha, Gergely Albu, Ferenc Petak, Sam Bayat, Walid Habre

Chest wall and pulmonary contributions to the total respiratory airway and tissue mechanics in rats: effects of altered lung volume

Ferenc Peták (Szeged, Hungary), Roberta Südy, Álmos Schranc, Bence Ballók, Barna Babik, József Tolnai

Assessment of shape factors and dead space indices by volumetric capnography in rats

József Tolnai (Szeged, Hungary), Roberta Südy, Barna Babik, Ferenc Peták

12:50 - 14:40

Thematic poster: Groups who are susceptible to tuberculosis: children, pregnant women and elderly people

Disease(s) : Respiratory infections Airway diseases

Method(s) : Epidemiology General respiratory patient care Imaging Public health Surgery Cell and molecular biology Respiratory intensive care

Chairs : Aysegul Fusun Öner Eyübo lu (Ankara, Turkey), Mateja Jankovic Makek (Zagreb, Croatia), Keertan Dheda (Cape Town, South Africa), Chair to be confirmed

Role of high resolution computed tomography in childhood tuberculosis diagnosis

Elena Lupu (Chisinau, Republic of Moldova), Stela Kulcitkaia, Constantin Iavorschi, Nadejda Pisarenco, Victor Cebotari

Lymph-node puncture benefits in ganglionar childhood tuberculosis

Besma Hamdi (Manouba oued ellil, Tunisia), Serry Jdidi, Hajer Kchok, Iness Moussa, Jamel Ammar, Anissa Berraies, Agnes Hamzaoui

Clinical and epidemiological features of respiratory morbidity in children with latent tuberculosis infection in the Republic of Moldova

Iavorschi Constantin (Chisinau, Republic of Moldova), Irina Sincarenco, Ana Moscovciuc, Valentina Bolotnikova

MAIT and Tuberculosis in children : a different behavior from adults.

Véronique Houdouin (Paris, France), Ghada Ben Youssef, Lianna Ghazarian, Veronique Durey, Clara Malka, Albert Faye, Sophie Caillat-Zucman

Clinical-laboratory profile of children and adolescents who performed the Rapid molecular-TB test (TRM-TB) in Rio de Janeiro

Rafaela Baroni Aurilio (Rio De Janeiro (RJ), Brazil), Maria De Fátima Bazhuni Pombo March, Clemax Couto Sant Anna, Thania Andrade, Afranio Kritskia, Thiago Malaquias

Bone health in children with Latent Tuberculosis Infection

Alina Vinogradova (Smolensk, Russian Federation), Nadezhda Krutikova

The dynamics of tuberculosis incidence and diagnostics of latent tuberculosis infection in children of Ukraine.

Olga Bilogortseva (Kyiv, Ukraine)

Use of the Recombinant Tuberculosis Allergen in the Early Diagnosis of Tuberculosis in Paediatric Patients

Tatiana Ivanovna Morozova (Saratov (Saratov Oblast), Russian Federation), Elena Alexandrova

The role of molecular genetic studies of resected samples for M. tuberculosis in children after TB surgery

Irina Petrakova (Moscow, Russian Federation), Marina Gubkina, Elena Larionova, Natalya Yukhimenko

Children with TB treated in the one clinic for childhood TB in Sofia – Bulgaria for the period 2013-2017

Svetlana Velizarova (Sofia, Bulgaria), Natalia Gabrovska, Maria Paskova

The role of immunological tests in the diagnosis of tuberculosis infection in children with juvenile idiopathic arthritis (JIA)

Ludmila Shovkun (Rostov-on-Don, Russian Federation), Valentina Aksenova, Dmitry Kudlay, Alexey Sarichev

TB detection in children in Moscow (Russia) as in low TB incidence region

Evgeny Belilovskiy (Moscow, Russian Federation), Valentina Aksenova, Tatyana Sevostyanova, Sergey Borisov, Ludmila Slogodskaya, Luiza Shamuratova

The Efficacy of Screening for Tuberculosis Infection in Paediatric Population in the Republic of Tatarstan

Aleksey Alekseev (Kazan, Russian Federation), Ramziya Fatykhova

The characteristics of TB processes in children exposed to household TB

Yulia Khokhlova (Moscow, Russian Federation)

Evaluation of Tuberculin skin test size and risk of tuberculosis in children household contact

Besma Hamdi (Manouba oued ellil, Tunisia), Moussa Ines, Louhaichi Sabrine, Ammari Sarra, Ben Jemai Emna, Ammar Jamel, Berraies Anissa, Hamzaoui Agnes

Latent tuberculosis in healthy children

Larissa Gorbach (Minsk, Belarus)

Tuberculosis in pregnant and postpartum women.

Svetlana Goponiako (Gomel, Belarus), Irina Buynevich, Dmitriy Ruzanov

Particularities of tuberculosis in pregnant women

Oxana Sili (Chisinau, Republic of Moldova), Valentina Vilc

Clinical, radiological, évolutive and génétic aspect of pulmonary tuberculosis(PT) in the erderly subject without comorbidities.

Yacine Benbetka (Alger, Algeria), Karim Saadi, Aziza Fissah

Tuberculosis in elderly patients

Cristian Cojocaru (Iasi, Romania), Constantin Cristian Grigoras, Elena Cojocaru, Adriana Grigoras

12:50 - 14:40

Thematic poster: Lung cancer: from the bench to the bedside**Disease(s) :** Thoracic oncology**Method(s) :** Cell and molecular biology General respiratory patient care Physiology**Chairs :** Giulia Maria Stella (Pavia (PV), Italy), Chair to be confirmed**LSC - 2018 - Tumor-derived granulocyte chemotactic protein 2 cooperates with neutrophil proteinase 3 to drive lung adenocarcinoma**

Anne-Sophie Lamort (München, Germany), Stefanie A Weiß (stefanie.weiss@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Ioannis Lillis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Vasileios Armenis (vasilisarmenis91@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Kristina A M Arendt (kristina.arendt@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Mario Pepe (mario.pepe@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Laura V Klotz (laura.klotz@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Magda Spella (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Giannoula Ntaliarda (ntaliarda@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Maria Oploupoiou (moplopoiou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Katerina Kauka (katerinakauka2@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Dieter Jenne (dieter.jenne@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Georgios T Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich)

LSC - 2018 - Nuclear factor ??-signalling drives Malignant Pleural Mesothelioma

Ioanna Giopanou (Rio (Patras), Greece), Dimitris Simoglou (dsimoglou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Patras), Marina Lianou (marina_lianou@hotmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Patras), Georgios T Stathopoulos (gstathop@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Patras)

Alteration patterns of tobacco carcinogens in lung adenocarcinoma reveal novel KRAS-addicted candidate oncogenes

Mario Pepe (München, Germany), Francesco Pelizza, Anne-Sophie Lamort, Nikolaos I. Kanellakis, Georgios T. Stathopoulos

Depletion of STAT6 suppresses lung cancer progression through regulating M2-macrophage polarization

Cuiping Fu (, China), Shanqun Li

Ghrelin does not influence cancer progression in a lung cancer cell line and mice with lung adenocarcinoma

Hironobu Tsubouchi (Kiyotake (Miyazaki prefecture), Japan), Ayako Miura, Shigehisa Yanagi, Masamitsu Nakazato

The influence of brown adipose tissue on the proliferation and chemosensitivity in non-small cell lung cancer cells

Armin Frille (Leipzig, Germany), Hartmut Kuhn, Thomas Ebert, Hans-Juergen Seyfarth, Hubert Wirtz

The influence of non-small cell lung cancer cells on the expression of adipokines in brown adipose tissue

Armin Frille (Leipzig, Germany), Hartmut Kuhn, Thomas Ebert, Hans-Juergen Seyfarth, Hubert Wirtz

Tissue factor induced tumor vascular infarction in lung cancer

Lars Henning Schmidt (Münster, Germany), Caroline Brand, Janine Stucke-Ring, Saliha Harrach, Christoph Schliemann, Alessandro Marra, Ludger Hillejan, Carsten Mueller-Tidow, Georg Lenz, Eva Wardelmann, Rainer Wiewrodt, Thomas Muley, Esther Herpel, Michael Mohr, Dennis Goerlich, Michael Kreuter, Michael Thomas, Christian Schwoeppe, Wolfgang Hartmann, Wolfgang E. Berdel

Micro RNA-21 Targeting PI3K/PTEN/Akt signaling axis regulates multiple biological functions in human lung cancer

Yonghua Zheng (Shanghai, China), Ding Zhang

Specific lung cancer peptides selected by a subtractive 3D cell-phage display technology

Larissa Prado Maia (Uberlandia, Brazil), Emilia Rezende Vaz, Aline Gomes Souza, Rodrigo Miquelanti Melo, Thulio Marquez Cunha, Luiz Ricardo Goulart

Analyzing the role of proteasome activator 200 (PA200) in lung cancer

Vanessa Welk (München, Germany), Thomas Meul, Christina Lukas, Deniz Bölükbas, Ina Koch, Michael Lindner, Silke Meiners

Generation of small molecules targeting hypoxia inducible factors

Yasemin Saygı de er (Adana, Turkey), Demet Kahraman, Sedat İlhan, Tugba Taskin Tok, Eyüp Baaran, Aysegül İyidogan, Aykut Üren, Elcin Emre, Hasan Bayram

Modulation of tumor-microenvironmental factors and cancer growth in co-cultures of fresh human lung tissue and patient-derived cancer cells

Sebastian Konzok (HANNOVER, Germany), Susann Dehmel, Christian Werno, Peter Braubach, Gregor Warnecke, Patrick Zardo, Danny Jonigk, Olaf Pfennig, Hans-Gerd Fieguth, Bernhard Polzer, Kathrin Weidele, Christoph Klein, Armin Braun, Katherina Sewald

Prognostic value of EGFR genotype in EGFR-mutant non-small cell lung cancer

Kostas Syrigos (Athens, Greece), Ilias Kotteas, Maria Paraskeva, Ioannis Gkiozos, Paraskevi Boura, Sofia Tsagouli, Dimitra Grapsa, Andriani Charpidou

Uncommon EGFR mutations of lung adenocarcinoma in one tertiary institution, Korea: clinical characteristics and treatment response to tyrosine kinase inhibitors

Jung Hyun Chang (Seoul, Republic of Korea), Yeji Han, Yon Ju Ryu, Jin Hwa Lee

Blocking beta adrenergic signaling may be a target for overcoming EGFR TKI resistance.

Eun Young Heo (Seoul, Republic of Korea), Myungjin Lee, Jung-Kyu Lee, Deog Kyeom Kim, Hee Soon Chung

The impact of β -blockers in non-small cell lung cancer patients treated with Epidermal Growth Factor Receptor Kinase Inhibitors, Taiwan NHIRD database study.

Guin Wei Fan (Taipei, Taiwan), Chun Yu Lin

Metformin improves survival in lung cancer patients receiving EGFR-TKIs therapy>

Ming-Szu Hung (Puzi city, Taiwan), Min-Chun Chuang, Ying-Huang Tsai, Yao-Hsu Yang

Association of antiPD1 immunotherapy with immunogenic cell death-inducing chemotherapy in a murine model of squamous cell lung cancer

Mathilde Jeanvoine (Bonsecours, France), Florian Guisier, Pierre Bohn, Luc Thiberville, Mathieu Salaun

Immune Checkpoint Inhibitors-related Interstitial Lung Disease in patients with thoracic tumors: experience of one institution

Filipa Ramalho Fernandes (Alcanena, Portugal), Teresa Almodovar, Isabel Duarte, Duro Da Costa

12:50 - 14:40

Thematic poster: Lung cancer: novel prognostic markers and scores

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Surgery General respiratory patient care Epidemiology

Chairs : David Baldwin (Nottingham (Nottinghamshire), United Kingdom), Ilona Rousalova (Praha, Czech Republic), Fernando Gamarra (Straubing, Germany), Chair to be confirmed

Limited role of Ki-67 in lung carcinoid tumor patients predicting overall short-term survival, A single institution experience

Kristina Krpina (Štrmec Samoborski, Croatia), Suzana Kukulj, Bernard Budimir, Gordana Drpa, Lela Bitar, Fran Seiwerth, Blanka Luk, Ante Marušić, J. Josip Grah, Marko Jakopović, Miroslav Samaaržija

Downregulation of Thyroid transcription factor 1 in lung adenocarcinoma: the prognostic impact

Nidia Pestana Caires (Funchal, Portugal), Margarida Castanho, Direndra Hasnucrai, Encarnacao Teixeira, Ana Sofia Vilarica, Paula Alves, Renato Sotto-Mayor

Prognostic and potential therapeutic impact of prostate specific membrane antigen expression in non-small cell lung cancer

Lars Henning Schmidt (Münster, Germany), Arik B. Schulze, Georg Evers, Birthe Franziska Heitkoetter, Christoph Schliemann, Konrad Steinestel, Marcel Trautmann, Alessandro Marra, Ludger Hillejan, Eva Wardelmann, Kambiz Rahbar, Dennis Goerlich, Georg Lenz, Wolfgang E. Berdel, Wolfgang Hartmann, Rainer Wiewrodt, Sebastian Huss, Michael Mohr

Is neutrophil/lymphocyte ratio at the time of diagnosis a valuable prognostic factor in non-small cell lung cancer?

Fatma Bodur Yildirim (Ankara, Turkey), Nurgül Sevimli, Murat TürK, Niligün Yılmaz Demirci, Ahmet Selim Yurdakul, Can Öztürk

Clinical usefulness of natural killer cell activity in patients with non-small cell lung cancer

Kwang Ho In (Seoul, Republic of Korea), Sue In Choi, Seung Hyeun Lee, Sang Yeub Lee

Interleukine-17A implicated in survival outcome of patients with late stage lung adenocarcinoma

YU-CHEN HUANG (Taipei City, Taiwan), Chih-Ming Weng, Meng-Jung Lee, Chun-Hua Wang, Han-Pin Kuo

Cytotoxicity and apoptosis of alveolar lymphocytes (AL) in early clinical stage (I-IIa) of non-small cell lung cancer (NSCLC)

Piotr Kopinski (Bydgoszcz, Poland), Joanna Golinska, Ewa Wypasek, Arkadiusz Goede, Karina Szabowska, Maciej Gnass, Kamil Bruckowski, Michał Zabczyk, Joanna Chorostowska

The significance of T-box transcription factor 5 and CD44s expression in NSCLC: correlation with prognostic markers.

Eleftheria Chaini (Corfu, Greece), Anna Maria Athanassiadou, Angelos Tsipis, Maria Gonidi, Dimitra Haini, Ioannis Giannopoulos, Kyriakos Hainis, Pauline Athanassiadou

Role of carbohydrate metabolism abnormality in non-small cell lung cancer-related immunoparalysis

Zsolt István Komlósi (Tarnok, Hungary), Gergő Szűcs, Éva Imre, Márton Szentkereszti, György Losonczy

Association of tissue inhibitor of metalloproteinases 2 and 3 polymorphisms with non-small cell Lung cancer

Chuen-Ming Shih (Taichung, Taiwan), Yao-Ling Lee

Evaluation of promoter hypermethylation in tissue and blood of non-small cell lung cancer patients and association with survival.

Ashraf Ali (New Delhi (Delhi), India), Kriti Upadhyay, Vinod Kumar Kakaria, Anant Mohan, Wajid Rafi, Kalpana Luthra, Randeep Guleria

The NNCI lncRNA-NKX2-1 gene duplex impacts prognosis in stage I NSCLC.

Jorge Moisés Lafuente (Barcelona, Spain), Alfons Navarro, Sandra Santasusagna, Nuria Viñolas, José Ramírez, Gerard Frigola, Laureano Molins, Joan Josep Castellano, Sara Morales, Carmen Muñoz, Mariano Monzó, Ramón María Marrades

The CYP2A6 gene polymorphism in male Batakese smoker lung cancer patients and its association with nicotine dependence

Noni Soeroso (Medan, Indonesia), Rozaimah Zain-Hamid, Bintang Ym Sinaga, Ahmad Hamid Sadewa

Expression analysis of miR-223 in plasma of patients with non-small cell lung cancer and other obstructive lung diseases

Dora Marinova (Sofia, Bulgaria), Darina Kachakova, Denitsa Dimitrova, Aleksandar Lilov, Evgeni Mekov, Miroslav Mihailov, Silva Giragosyan, Yanina Slavova, Dimitar Kostadinov, Vanya Youroukova, Rossen Petkov, Atanaska Mitkova, Radka Kaneva, Vanio Mitev

Association of Pre-miR-rs2910164 polymorphism with non-small cell lung cancer in an Iranian population

Esmail Mortaz (Tehran, Islamic Republic of Iran), Neda K. Dezfoli, Shamila D. Alipour, Adnan Adnan Khosravi, Johan Garssen, Ian Adcock

Comparative gene expression analysis in lung cancer

Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Rafael Larrosa Jiménez, Rocío Bautista Moreno, Josefa Gómez Maldonado, José Luis De La Cruz Ríos, Laura González Álvarez, Carmen María López Rodríguez, Manuel Angel Cobo Dols, Manuel Gonzalo Claros Díaz

Evaluation of the Thoracic Revised Cardiac Risk Index as a prognostic factor for survival after lung cancer resection

Teresa Diaz De Teran Lopez (Santander, Spain), Cristina Magadan Alvarez, Kimberley Lee, Pablo Lozano Cuesta, Victoria Maderuelo Garcia, Victor Mora Cuesta, David Iturbe Fernandez, Beatriz Abascal Bolado, Laura Sanchez Moreno

The Khorana score as a predictor of mortality in lung adenocarcinoma

Kostas Syrigos (Athens, Greece), Ioannis Vathiotis, Andriani Charpidou, Paraskevi Boura, Sotirios Tsimpoukis, Eleni Kokkotou, Dimitra Grapsa, Evangelos Dimakakos

12:50 - 14:40

Thematic poster: Pleural effusions, infections and tumours

Disease(s) : Thoracic oncology Respiratory critical care Airway diseases Respiratory infections Interstitial lung diseases

Method(s) : Surgery Endoscopy and interventional pulmonology Imaging Respiratory intensive care

Chairs : Kalliopi Athanassiadi (Athens, Greece), Luca Bertolaccini (Bologna (BO), Italy), Marcello Migliore (Catania (CT), Italy), Serdar Evman (Istanbul, Turkey)

The use of untunneled indwelling pleural catheters for non-malignant pleural effusions in the outpatient

Julio Mott Ancona Lopez (Sao Paulo, Brazil), Andre Miotto, Jorge Henrique Rivaben, Pedro Augusto Antunes Honda, Marcio Botter

Treatment of empyema thoracis in HIV-infected patients in the era of antiretroviral therapy: a thoracic surgeon's point of view

Dimitris Lioumpas (Athens, Greece), Aggeliki Panagiotou, Kostantinos Bouboulis, Ilias Samiotis, Ioannis Stamatatos, Despoina Mylonaki, Stylianos Zaragkas, Nikolaos Tzatzadakis

The use of Povidone iodine in the anticipation and management of prolonged post-operative air-leak

ASMA SAIDANE (TUNIS, Tunisia), Walid Abid, Yacine Ben Safta, Sami Daloul, Mounir Ben Moussa, Mohamed-Sadok Boudaya

Role of rigid thoracoscopy in undiagnosed exudative pleural effusion

Moti Lal Bunkar (Jaipur (Rajasthan), India), Anil Saxena, Suman Khangarout, Rajendra Takhar, Babulal Bansiwal, Vineet Gupta, Shahin Lal, Savita Arya

Management of recurrent hepatic hydrothorax: a 5-year experience at a tertiary centre in Greece.

Dimitris Lioumpas (Athens, Greece), Konstantinos Boumpoulis, Ilias Samiotis, Ioannis Stamatatos, Despoina Mylonaki, Stylianos Zaragkas, Aggeliki Panagiotou, Nikolaos Tzatzadakis

Pleural empyema – does time matter?

Dionísio Joaquim de Castro Maia (Vila do Conde, Portugal), João Santos Silva, David Silva, Ana Rita Costa, João Eurico Reis, Ricardo Coelho, Alexandra Mineiro, Paulo Calvinho, João Cardoso

Comparative results of Sericin pleurodesis, as a novel pleurodesis agent

Alkan Yazıcıoğlu (Ankara, Turkey), Serkan Uysal, Tuba Sahinoglu, Mahmut Subasi, Funda Demirag, Erdal Yekeler

Uniportal thoracoscopy for pneumothorax

Camilla Poggi (Rome, Italy), Sara Mantovani, Ylenia Pecoraro, Carolina Carillo, Massimiliano Bassi, Davide Amore, Pietro Bruschini, Andreina Pagini, Giuseppe Naldi, Tiziano De Giacomo, Daniele Diso, Erino Angelo Rendina, Federico Venuta, Marco Anile

Solitary fibrous tumor of the pleura. Presentation of a series of cases.

Servio Tulio Torres Rodriguez (Guatemala City, Guatemala), Danilo Herrera Cruz, Marco Antonio Peñalanzo Bendfeldt

Pedicle intercostal muscle flap for bronchus fistula prevention and treatment.

Uldis Kopeika (Moers, Germany), Aivars Berzins, Petar Traykov, Christian Roesel, Thomas Krbek

Ectopic adrenocorticotrophic hormone syndrome: clinical features, diagnosis, treatment and long-term observation. Impact of bronchial carcinoid tumors.

Vadim Krylov (Moscow, Russian Federation), Ekaterina Dobrova, Sergey Kharnas, Vladimir Parshin, Leonid Ippolitov, Nikolay Kuznetsov, Georgy Polunin

The operation of choice for closure of large defects of the anterior wall of the trachea.

Rustem Hayaliev (Tashkent, Uzbekistan), Shuhrat Khudaybergenov, Otabek Eshonkhodjaev

Management of secondary tension pneumothorax as a complication of chronic obstructive pulmonary disease: self-experience study

Filip Shterev (Plovdiv, Bulgaria), Ivan Novakov

Mediastinal masses: Clinical, radiological and pathological analysis

Darine Sakka (Sfax, Tunisia), Hanan Smadhi, Achraf Ben Tkhayat, Hela Kamoun, Ines Akrou, Dorra Greb, Hajer Ben Abdelghaffar, Hela Hassan, Leila Elfekih, Mohamed Lamine Megdiche

Surgical resection and outcome of multifocal adenocarcinoma of the lung

Funda Incekara (Ankara, Turkey), Deniz Kaygusuz Tikici, Sevki Mustafa Demiroz, Koray Aydogdu, Funda Demirag, Selim Sakir Erkmen Gulhan, Sadi Kaya, Gokturk Findik

Thoracomyoplasty operations in treatment of postoperative complications in thoracic surgery.

Aleksey Reshetov (St. Petersburg, Russian Federation), Aleksey Elkin, Dmitry Ermacov, Tatiana Trunina

Surgical management of pulmonary hydatid cyst with a thoracoscopic approach

Sarra Zairi (Tunis, Tunisia), Sabrine Louhaichi, Mehdi Abdennadher, Monia Attia, Amira Dridi, Hazem Zribi, Henda Neji, Sonia Ouerghi, Saoussen Hantous, Khaoula Ben Miled, Taher Mestiri, Adel Marghli

Features and management of iatrogenic tracheal stenosis

Sabrina LOUHAICHI (Ariana, Tunisia), Sarra Zairi, Ahmed Jelassi, Bisma Hamdi, Mahdi Abdennadher, Hazem Zribi, Amira Dridi, Jamel Ammar, Adel Mareghli

12:50 - 14:40

Thematic poster: From continuous positive airway pressure (CPAP) and adherence to CPAP to asthma-COPD overlap syndrome (ACOS)

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Imaging General respiratory patient care Public health Respiratory intensive care Physiology

Chairs : Walter McNicholas (Dublin, Ireland), Stefan-Marian Frent (Arad, Romania), Andreja Sajnic (Zagreb, Croatia), Johan Verbraecken (Edegem (Antwerp), Belgium)

Influence of anxious depressive disorder in the treatment of Sleep Apnea Hypopnea Syndrome

Virginia Almadana, SINDY CEDEÑO DE JESUS, Jesús Sánchez Gómez, Agustín Valido Morales, Jose Maria Benitez Moya

MARITAL QUALITY, PARTNERS ENGAGEMENT AND CONTINUOUS POSITIVE AIRWAY PRESSURE ADHERENCE IN OBSTRUCTIVE SLEEP APNEA

Thibaut Gentina (Marcq-En-Baroeul, France), Sebastien Bailly, Francois Jounieaux, Francois Codron, Catherine Lamblin, Christophe Verkindre, Pierre Marie Broussier, Dominique Guffroy, Arnaud Prigent, Jean Jacques Gres, Laurent Kedziora, Jamal Kabbani, Bernard Douay, Renaud Tamisier, Elodie Gentina, Jean Louis Pepin

Erratic adherence to continuous positive airway pressure for obstructive sleep apnea

Daniel López-Padilla (Madrid, Spain), Milagros Llanos Flores, Virginia Gallo González, Zichen Ji, José Terán Tinedo, Elena R. Jimeno, Soledad López Martín, Elena Ojeda Castillejo, Luis Puente Maestu

Assessing an auto set trial period for obstructive sleep apnoea patients

Joe Topham (Nottingham (Nottinghamshire), United Kingdom), Laura Watson, Linda Johnson, Peter Smith

Mild OSAS: Is CPAP therapy actually required for these patients?

Sameer Bansal (Navi Mumbai (Maharashtra), India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi

Prevalence of co-morbidities and clinical features in patients with obstructive sleep apnea and chronic obstructive pulmonary disease.

Lucia Spicuzza (Sant'Agata Li Battiati (CT), Italy), Emilio Frasca, Giacomo Doria, Giulia Cacopardo, Claudia Crimi, Raffaele Campisi, Nunzio Crimi, Giuseppe Di Maria

Prevalence of overlap of COPD and OSAS in a Pulmonary Rehabilitation Centre

Annia Fleur Schreiber (Torino (TO), Italy), Francesca Cemmi, Cinzia Lastoria, Piero Ceriana, Antonella Balestrino, Annalisa Carlucci

Asthma and Obstructive Sleep Apnea Syndrome (OSAS)

Feryel Chaouki (Batna, Algeria), Abdelmajid Djebbar

Overlap syndrome "asthma and obstructive sleep apnea" in obese patients

Ferdous Yangui (Tunis, Tunisia), Sarra Ammari, Hana Mrassi, Imen Kharrat, Maher Abouda, Mohamed Ridha Charfi

Prevalence of obstructive sleep apnea in asthmatic school-aged children

Hanaa Shafiek (Alexandria, Egypt), Noha Fawzy, Mahmoud Ibrahim Mahmoud

OSA phenotypes in asthma and COPD

Anshu Priya (New Delhi (Delhi), India), Nitin Goel, Raj Kumar

One airway one disease from a different perspective – eyes cant see what the mind doesn't know

Firoz A Hakkim (Trivandrum (Kerala), India), Rajesh V, Giridhar B.H, Nandhakisore Baikunje

IMPACT OF COMORBIDITY ON SLEEP QUALITY IN COPD PATIENTS EVALUATED WITH THE PITTSBURGH SLEEP QUALITY INDEX (PSQI)

Julia Sampol Sirvent (Barcelona, Spain), Patricia Lloberes Canadell, Odile Romero Santo Tomás, Beatriz Valeiro González, Marc Miravitlles Fernández, Gabriel Sampol Rubio, Jaume Ferrer Sancho

Is OSA an important risk factor for metabolic dysregulation in obese COPD patients

Silke Anna Theresa Weber (Botucatu (SP), Brazil), Flavio Danilo Pissulin, Ricardo Beneti, Francis Lopes Pacagnelli

Assessment of 10-year risk for cardiovascular disease in patients with overlap syndrome

Athanasios Voulgaris (Thessaloniki, Greece), Kostas Archontogeorgis, Evangelia Nena, Maria Xanthoudaki, Paschalis Ntolios, Toulou Mouemin, Konstantina Chadia, Nikolettia Paxinou, Konstantinos Kaltsas, Marios Froudarakis, Paschalis Steiropoulos

Mean platelet volume and platelet distribution width in patients with obstructive sleep apnea syndrome and chronic obstructive pulmonary disease (overlap syndrome)

Athanasios Voulgaris (Thessaloniki, Greece), Kostas Archontogeorgis, Evangelia Nena, Maria Xanthoudaki, Paschalis Ntolios, Maria Kouratzi, Stavros Anevlavis, Marios Froudarakis, Paschalis Steiropoulos

Retinal vascular tortuosity in patients with obstructive sleep apnea-chronic obstructive pulmonary disease overlap syndrome

Maha Yousif (Menoufia Gavernorate, Egypt), Rabab El- Wahsh, Asmaa Ibrahim

Role of intermittent or continuous hypoxia in systemic inflammation measured by echography

Carmen Maria Acosta Gutierrez (Madrid, Spain), Pedro Landete Rodriguez, Beatriz Aldave Orzaiz, Marta Hernandez Olivo, Maria Gonzalez Gonzalez, Ana Sanchez Azofra, Agueda Gonzalez Rodriguez, Enrique Zamora Garcia, Jose Manuel Muñoz Olmedo, Alfonsi Frieria Reyes, Joan B Soriano, Carmelo Garcia Monzon, Julio Ancochea Bermudez

Case series: efficacy and usefulness of double bronchodilation in patients with Overlap syndrome (OSAS and COPD).

Albino Petrone (Cosenza (CS), Italy), Filippo Luca Fimognari, Michela Quartieri, Flaminio Mormile, Leonello Fuso, Ludovico Petrone, Francesco Romano

12:50 - 14:40

Thematic poster: CTD-ILD and hypersensitivity pneumonitis: mechanistic insights and prognostic markers

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Endoscopy and interventional pulmonology

Chairs : Martina Bonifazi (Ancona (AN), Italy), George Margaritopoulos (London, United Kingdom), Claudia Ravaglia (Forlì, Italy), Veronica Alfieri (Parma (PR), Italy)

Systematic review: In vivo imaging in animal models relevant to drug-induced Interstitial lung disease (DIILD)

Irma Mahmutovic Persson (Lund, Sweden), Karin Von Wachenfeldt, Kashmira Pindoria, Juan A. Delgado-San Martin, Simon Campbell, Michael Haase, Mark Wright, John C. Waterton, Lars E. Olsson

Antioxidant and anti-inflammation effect of GHK-Cu in bleomycin-induced pulmonary fibrosis

Xiaoming Zhou (, China), Gang Hou

Imaging biomarkers of oedema and fibrosis in a rat model of Drug-Induced-ILD

Irma Mahmutovic Persson (Lund, Sweden), Anders Örbom, Per-Ola Önnervik, Karin Von Wachenfeldt, Lars E Olsson

Diagnostic value of serum KL-6 in Interstitial Lung Disease: preliminary results from an European cohort.

Paloma Millan Billi (Barcelona, Spain), Iván Castellví, Laura Martinez Martinez, Francisco Aparicio, Tomás Franquet, Oriol Sibila Vidal, Diego Castillo Villegas

Investigating microbial communities in interstitial lung disease by standard culture of bronchioalveolar lavage samples

Madeleine Bangham (London, United Kingdom), Katherine Myall

Levels of YKL-40 in serum and sputum of patients diagnosed with hypersensitivity pneumonitis: A pilot study.

M^a Jesus Cruz Carmona (Barcelona, Spain), Miquel De Homdedeu, Silvia Sanchez-Diez, Iñigo Ojanguren, Christian Romero-Mesones, Ana Villar, Ferran Morell, Xavier Muñoz

Activated Nrf2 mediated downregulation of TGF- β / Smad signaling through Smad7 upregulation post antioxidant exposure attenuates experimental pulmonary fibrosis

Arindam Bhattacharyya (Kolkata (West Bengal), India)

Screening and characterization of activin A inhibitory peptides by phage display technology

Victor Alexandre Félix Bastos (Uberlândia, Brazil), Aline Gomes Souza, Patrícia Tieme Fujimura, Robinson Sabino Silva, Thulio Marquez Cunha, Luiz Ricardo Goulart

Antinuclear antibodies in interstitial lung diseases: Prevalence and predictive factors

Samira Aouadi (Ariana, Tunisia), Najla Ghrairi, Imen Ben Ali, Imen Sahnoun, Sonia Maalej, Sadok Yalaoui, Leila Douik-Elgharbi

Bronchoalveolar lavage in healthy and diseased individuals

Bjoern Frye (Freiburg, Germany), Jonas Schupp, Thomas Köhler, Gernot Zissel, Werner Vach, Joachim Müller-Quernheim

Validation of the ILD-GAP model in a Singapore population

Michelle Kam (Singapore, Singapore), Hui Hua Li, Yi Hern Tan, Su Ying Low

Role of gastroesophageal reflux in interstitial lung disease associated to connective tissue disease.

Carolina Diaz Cuña (Montevideo, Uruguay), Sandra Consani, Veronica Torres, Fernanda Alonso, Adriana Bérez

Interstitial Pneumonia with Autoimmune Features (IPAF): a single center prospective experience

Gianluca Sambataro (valverde (CT), Italy), Sebastiano Emanuele Torrisi, Ada Vancheri, Mauro Pavone, Roberta Rosso, Matteo Schisano, Claudia Crimi, Domenico Sambataro, Carlo Vancheri

Comparative survival analysis between idiopathic pulmonary fibrosis and chronic hypersensitivity pneumonitis: Retrospective cohort study.

Maria Laura Alberti (Ciudadela, Argentina), Martín Eduardo Fernandez, Leandro Fassola, Fabian Caro, Francisco Paulin

Club cells in histological patterns of interstitial lung diseases

Paul Reynaud (Montpellier, France), Isabelle Serre, Isabelle Vachier, Aurélie Fort, Charlotte Vernisse, Micaela Romagnoli, Gérard Durand, Yann Cabon, Sébastien Bommart, Anne-Sophie Gamez, Arnaud Bourdin

Progression of Rheumatoid-arthritis associated interstitial lung disease by radiological subtype

Sukhmani Sra (London, United Kingdom), Katherine Myall, Boris Lams, Sangita Agarwal, Alex West

Non Specific Interstitial Pneumonia and features of connective tissue disease: what are the consequences of a different point of view?

Federica De Giacomi (San Giorgio P.no, Italy), Alice Biffi, Giulia Dei, Anna Stainer, Maria Rosa Pozzi, Paola Faverio, Alberto Pesci

Prevalence of gastro-esophageal reflux in interstitial lung diseases.

Nousheen Akhter (Karachi, Pakistan), Nadeem Rizvi

Impulse oscillometry compared to standard lung function testing in patients with idiopathic pulmonary fibrosis

Emil Lind Flensburg (Aarhus C, Denmark)

Change of primary Sjören's syndrome-associated interstitial lung disease in computerized tomogram of chest during two years.

Soo-Taek Uh (Seoul, Republic of Korea), Bo Young Lee, So My Koo, Yang Ki Kim, Ki Up Kim, Do Jin Kim

12:50 - 14:40

Thematic poster: Preclinical and clinical studies of critical illness**Disease(s) :** Respiratory critical care Respiratory infections Airway diseases Thoracic oncology Pulmonary vascular diseases**Method(s) :** General respiratory patient care Respiratory intensive care Imaging Surgery Physiology Public health Cell and molecular biology**Chairs :** Antonio Artigas (Sabadell (Barcelona), Spain), Chair to be confirmed**Effect of a newly developed cytokine adsorption column in a rat model of acute lung injury.**

Yuhei Yoshida (Sagamihara, Japan), Miwako Kanemaru, Kozue Kobayashi, Kenichi Kokubo, Hirosuke Kobayashi

Antithrombin plus alpha-1 protease inhibitor does not affect pulmonary inflammation and coagulation in a 'double-hit' lung injury model

Jenny Juschten (Amsterdam, Netherlands), Sarah Anna Ingelse, Matthias Adrie Willem Maas, Armand Ro Jo Girbes, Nicole Pi Juffermans, Marcus Ju Schultz, Pieter Roel Tuijnman

Hypoxia aggravates failure of autoresuscitation in a rat model of LPS-induced endotoxemia.
Zhanna Donina (St. Petersburg, Russian Federation)

Breathing disorders and survival during inflammation associated with severely hypoxia depends from prostaglandin-mediated pathway.
Elizaveta Baranova (St. Petersburg, Russian Federation)

The use of aerosolized prostacyclins is associated with improvements in gas-exchange but no difference in hemodynamics in critically-ill patients
Roberto Bernardo (Oklahoma City, United States of America), Huzaifa Jaliawala, Brent Brown

Improvement of ventilation-induced diaphragm dysfunction through toll-like receptor 4 and nuclear factor- κ B in a murine sepsis model
Li-Fu Li (Kweishan (Taoyuan), Taiwan), Chih-Hao Chang, Li-Chung Chiu

Nebulizer Location and spontaneous breathing on Aerosol Delivery during Airway Pressure Release Ventilation in Adult Lung Model
Huiqing Ge (Hangzhou (Zhejiang), China), Jimei Wang

Use of I-Gel facilitates percutaneous dilatational tracheostomy in the ICU. A preliminary report.
Aniello De Nicola (Pompei (NA), Italy), Maria José Sucre

Effect of tidal volume on fugitive emissions during mechanical ventilation
Gavin Bennett (Galway, Ireland), Ciarrai O'Toole, Mary Joyce, James Mcgrath, Miriam Byrne, Ronan Maccloughlin

Computational modelling of oxygen insufflation during apnoea in obesity.
Marianna Laviola (Nottingham, United Kingdom), Anup Das, Declan G. Bates, Jonathan G. Hardman

Magnesium sulphate as an adjuvant therapy in critically ill infants and children presenting with wheezy chest in addition to standard treatment
Yasmin Saied (Cairo, Egypt), Hala Hamdy, Hafez Bazaraa, Hanaa Rady, Sherif Elanwary

Early corticosteroid in influenza pneumonia related acute respiratory distress syndrome treated with extracorporeal membrane oxygenation
Yu-San Chien (Taipei City, Taiwan), Chen-Yen Chien, Jiun-Yi Li

Results of bronchial artery embolization in patients with hemoptysis
Alexey Petrunkin (St. Petersburg, Russian Federation), Maxim Karashevich, Oleg Orzheshkovskii, Alexey Pichurov, Andrey Petrov, Mikhail Atyukov, Kirill Kravchenko, Piotr Yablonskii

Bacteriological structure of lower respiratory tract infections in ICU patients of a single tertiary care medical center in Central Kazakhstan
Aigerim Yergaliyeva (Astana, Kazakhstan), Nelya Bisenova

Clinical outcomes of the patients with multidrug-resistant *Acinetobacter baumannii* pneumonia in critical care setting: A retrospective cohort study in Taiwan
Pei-Fen Wu (Yunlin county, Taiwan), Yen-Fu Chen, Chi-Ying Lin

The burden of respiratory infections caused by resistant bacteria and need for antibiotics stewardship program in Balochistan, Pakistan
Muhammad Uyghur (Quetta, Pakistan)

Pulmonary physician consultancy in emergency services in Turkey (PUPCEST) – a prospective multicenter study
Özlem Erçen Diken (Çorum, Turkey), Aydanur Ekici, Hayriye Bekta, Hanifi Yıldız, Ali Tabaru, Nalan Ogan, Pınar Yıldız Gülhan, Tarkan Özdemir, Sulhattin Arslan, Mustafa Tosun, Eyma Balı, Talat Kılıç, Tuncer Özkan, Sibel Pekcan Özyurt, Özlem Engören Diki, Hüseyin Arpa, Ümrhan Toru Erbay, Ümit Tutar, Aysun Ayvac, Dorina Esendağ, İclal Hocanlı, Nuray Oktay, Neslihan Özçelik, Tevfik Özlü

12:50 - 14:40

Thematic poster: Experimental research in pulmonary hypertension

Disease(s) : Pulmonary vascular diseases **Airway diseases**

Method(s) : Cell and molecular biology Physiology

Chairs : David Montani (Le Kremlin-Bicêtre, France), Frances S. De Man (Amsterdam, Netherlands), Soni Savai Pullamsetti (Bad Nauheim, Germany)

Extracellular vesicles derived from mesenchymal stem cells prevent pulmonary vascular dysfunction induced by lipopolysaccharide (LPS).

Sergio Esquivel-Ruiz (Madrid, Spain), Bianca Barreira, María Álvarez-Fuente, Anthony Gurjian, Pedro Hernández-Hernández, África González-Murillo, Manuel Ramírez-Orellana, María Jesús Del Cerro, Ángel Cogolludo, Francisco Pérez-Vizcaino, Laura Moreno

Common genetic basis for pulmonary arterial hypertension and high altitude pulmonary edema

Christina Eichstaedt (Heidelberg, Germany), Heimo Mairbäurl, Jie Song, Nicola Benjamin, Christine Fischer, Katrin Hinderhofer, Ekkehard Grünig

BMPR2 mRNA functioning as competing endogenous RNA in pulmonary arterial hypertension associated with systemic-to-pulmonary shunts

Kai Ma (Beijing, China), Lei Qi, Hao Zhang, Sen Zhang, Fengpu He, Guanxi Wang, Zicong Feng, Shoujun Li

Impact of treprostinil on dynamin-related protein 1 (DRP1) and mitochondrial fragmentation in pulmonary arterial hypertension (PAH).

Jeries Abu-Hanna (London, United Kingdom), Jan-Willem Taanman, David Abraham, Lucie Clapp

Gene-Gene Interaction between EPAS1 and EGLN1 in Patients with High-Altitude Pulmonary Edema

Toshimichi Horiuchi (Matsumoto, Japan), Yunden Droma, Fumiya Kinota, Nobumitsu Kobayashi, Masao Ota, Masayuki Hanaoka

Kv1.5 channels and endothelium-dependent relaxation are downregulated by miR-1 in rat pulmonary arteries.

Gema Mondejar-Parreño (Madrid, Spain), María Callejo, Bianca Barreira, Daniel Morales-Cano, Laura Moreno, Sergio Esquivel-Ruiz, Ángel Cogolludo, Francisco Pérez-Vizcaino

Stabilised ferroportin activity affects pulmonary vascular cells responses: implications for pulmonary hypertension

Sofia Pedersen (LONDON, United Kingdom), Quezia Toe, S John Wort, Gregory J Quinlan*, Latha Ramakrishnan*

Activation of the Beta-3 adrenoceptor in experimental pulmonary hypertension

Pedro Mendes Ferreira (Guimarães, Portugal), Rui Adao, Rozenn Quarck, Catharina Belge, Marion Delcroix, Carmen Bras-Silva

Pulmonary Hypertension in Female Rats: Estrogens and Age Influence

Ana Obeso (Valladolid, Spain), Elena Olea, Asuncion Rocher, Ana Gordillo, Angela Gomez-Niño, Jesus Prieto-Lloret

Leukotriene-mediated sex dimorphism in pulmonary arterial hypertensionmonocrotaline-induced rat.

Angela Liparulo (Naples, Italy), Giuseppe Spaziano, Teresa Palmira Russo, Antonietta Rossi, Fiorentina Roviezzo, Rosanna Filosa, Manuela Sgambato, Gioia Tartaglione, Renata Esposito, Bruno D'Agostino

Targeting CCR2 and CCR5 to inhibit macrophage/pulmonary artery smooth muscle cells cross-talk in pulmonary hypertension

Shariq Abid (Creteil, France), Aurelien Parpaleix, Elisabeth Marcos, Valérie Amsellem, Amal Houssaïni, Marielle Breaux, Daigo Sawaki, Emilie Bizard, Marion Delcroix, Rozenn Quarck, Larissa Lipskaia, Serge Adnot

Effect of BMPRII on endothelial function in human lung microvascular endothelial cells

Birger Tielemans (Leuven, Belgium), Rik Gijsbers, Annelies Michiels, Allard Wagenaar, Ricard Farre Marti, Catharina Belge, Marion Delcroix, Rozenn Quarck

Identifying involvement of H19-miR-675-IGFR1 and H19-miR-200a-PDCD4 in the mechanism underlying therapeutic effect of melatonin in the treatment of pulmonary arterial hypertension

Ran Wang (Hefei (Anhui), China), Gengyun Sun

Reduce expression of endothelial nitric oxide synthase lead to more severe pulmonary complex vascular lesions associated with HIV

Jose Luis Sandoval Gutierrez (México D.F, Mexico), Rosa Maria Rivera Morales, Juan Rodriguez Silverio

Cold exposure lowered miR-21-5p expression in monocrotaline induced pulmonary artery hypertension.

Fausto Sánchez, José Sánchez, Roxana Carbó, Adrián Hernández, Rafael Bojalil, Julio Sandoval, Fausto Sánchez

Maladaptive Pulmonary vascular responses to chronic intermittent and sustained hypoxia in a rat hypertension model

Asuncion Rocher Martin (Valladolid, Spain), Jesus Prieto-Lloret, Inmaculada Docio, Elena Olea, Maria Llanos Bravo, Ana Obeso, Angela Gomez-Niño

The effect of Monoamine oxidase A inhibition on experimentally induced pulmonary arterial hypertension

Xiao-Qing Sun (Amsterdam, Netherlands), Eva Peters, Ingrid Schali, Stine Andersen, Denielli Da Silva Goncalves Bos, Anton Vonk-Noordegraaf, Frances S De Man, Willen Van Der Laarse, Harm Jan Bogaard

Echocardiographic and histomorphometric assessment of the effects of pharmacological antagonism of endothelin receptors in the Sugen 5416/hypoxia rat model of pulmonary hypertension

Silvia Cantoni (Parma, Italy), Stefano Cavalli, Fiorella Pastore, Romina Nassini, Francesco De Logu, Gino Villetti, Fabrizio Facchinetti

Effects of acute increases in right ventricular preload and afterload on pulmonary artery pulse pressure in a chronic thromboembolic hypertension model

David Boulate (Le Plessis-Robinson, France), Denis Chemla, Fanny Loisel, Benoit Decante, Philippe Herve, François Haddad, Elie Fadel, Olaf Mercier

Lower than expected pulsatile pulmonary arterial load in a thromboembolic pulmonary hypertension model

David Boulate (Le Plessis-Robinson, France), Denis Chemla, Fanny Loisel, Mathieu Coblence, Bastien Provost, Benoit Decante, Philippe Herve, Elie Fadel, Olaf Mercier

12:50 - 14:40

Thematic poster: The value of lung function testing in various pathophysiological conditions

Disease(s) : Airway diseases Respiratory infections Thoracic oncology Sleep and breathing disorders Pulmonary vascular diseases

Method(s) : Physiology General respiratory patient care Imaging Transplantation

Chairs : Maurice Hayot (Montpellier Cedex 5, France), Vasileios Andrianopoulos (Schönau am Königssee, Germany), Georgios Kaltsakas (Athens, Greece), Chair to be confirmed

Correlation between the predicted and the actual postoperative forced expiratory volume in one second (FEV1) after lung resection: a prospective evaluation among bronchogenic cancer and non-bronchogenic cancer patients

Gerard Tristan De la Cuesta (Cainta, Philippines)

Detection of late post stem cell transplantation lung function deterioration using simple spirometry.

Eyal Fuchs (Haifa, Israel), Emilia Hardak

Lung clearance index (LCI) as a sensitive marker of post-transplant bronchiolitis obliterans syndrome (BOS)

Madeleine Driskel (Manchester, United Kingdom), Alexander Horsley, Mohamed Al-Aloul

Pulmonary function and physical capacity in children with congenital heart disease

Roberto Acosta-Dighero (Santiago, Chile), Rodrigo Torres-Castro, Iván Rodríguez-Núñez, Mercedes Guevara, Bernardita Lopetegui

Respiratory and Motor Phenotypes and Correlations with Diaphragm Function in Patients with Late-Onset Pompe Disease (LOPD)

Andrea Da Nobrega Cirino Nogueira (Fortaleza (CE), Brazil), Liégina Silveira Marinho, Renata Dos Santos Vasconcelos, Suzy Maria Montenegro Ponte, Nancy Delma Silva Vega Canjura Sousa, Juliete Vaz Ferreira, Patrícia Carvalho Bezerra, Miguel Angelo Nobre E Sousa, Marcelo Alcantara Holanda

Prognostic value of lung membrane conductance in sickle cell disease

Antoine Beurnier (Nantes, France), Julie Graveleau, Thierry Le Tourneau, Agathe Masseau, Bruno Degano, Bérangère Ricolleau, François-Xavier Blanc, Arnaud Chambellan

Mepolizumab improves small airway function in severe eosinophilic asthma

Leigh Seccombe (Sydney (NSW), Australia), Peter Rogers, Nicola Reed, Tanya Badal, Cindy Thamrin, Greg King, Matthew Peters, Claude Farah

A new score to identify patients who need fitness to fly test

Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Akhil Sawant, Sue Watts, Mark Townson, Paul Whitaker, Ian Clifton, Tim Sutherland, Mark Elliott, Daniel Peckham

Can baseline lung function and arterial oxygenation predict air travel hypoxaemia in respiratory patients?

Mónica Marques Grafino (Montemor-O-Novo, Portugal), Filipa Todo Bom, Maria Margarida Felizardo, Richard Staats, Marco Pereira, Teresa Pequito, Ana Ladeira, Ana Lutas, Joao Valenca, Sofia Furtado

The respiratory physiome: clustering based on a comprehensive lung function assessment in patients with COPD

Ingrid Augustin (Horn, Netherlands), Martijn A. Spruit, Sarah Houben-Wilke, Frits Franssen, Lowie Vanfleteren, Swetlana Gaffron, Daisy Janssen, Emiel Wouters

PREVALENCE OF ABNORMAL SPIROMETRIC RESULTS AMONG TEENAGERS: RESULTS FROM LUNG DEVELOPMENT PROJECT OF THE UNIVERSITY OF GRANADA

Pedro José Romero Palacios (Granada, Spain), Oliverio Ruiz Rodriguez, Alba Mateos Romero, Antonio Dueñas Ruiz, Elvira Ruiz Castellano, Bernardino Alcazar Navarrete

The effect of 1-week treatment with permitted inhalation or prohibited oral doses of salbutamol on repeated sprint ability in healthy well-trained men and women

Kasper Eibye (København N, Denmark), Kasper Bengtsen, Søren Jessen, Vibeke Backer, Glenn Jacobson, Morten Hostrup

Influence of an ultraendurance event on lung health

Courtney M. Wheatley (Scottsdale, United States of America), Glenn Stewart, Caitlin Fermoye, Briana Ziegler, Bruce Johnson

Influence of ultra-endurance exercise on alveolar-capillary recruitment and lung diffusion

Glenn Stewart (Rochester, United States of America), Caitlin Fermoye, Courtney Wheatley, Briana Ziegler, Bruce Johnson

Prevalence of Late-Onset Pompe Disease in Portuguese Patients with Diaphragmatic Paralysis: The DIPPER Study

Maria José Araújo Cunha Guimarães (Palmeira – Stº Tirso, Portugal), João Winck, Bebian Conde, Alexandra Mineiro, Margarida Raposo, Joaquim Moita

Comparison of mobility, shortening velocity and diaphragmatic thickness between pre-term and term infant: a pilot study

Juliana Souza (Florianopolis (SC), Brazil), Fernanda Silva, Helga De Souza, Rayane Nunes, Paulo Magalhaes, Leticia Melo, Armêlé Dornelas De Andrade, Cyda Reinaux

Lung synchrony in different body positions in unilateral diaphragm paralysis

Mayra Caleffi Pereira (Campinas, Brazil), Vinícius Iamonti, Jeferson Ferreira, Natália Lima, Flavia Badaro, Pedro Caruso, Carlos Carvalho, André Albuquerque

The effect of the abdominal wall on the diaphragmatic mobility and respiratory function in young healthy subjects

Monize Karla Alves Aquino (São Paulo, Brazil), Caroline Gomes Mól, Catherine Cely Oliveira, Renato Batista Reis, Clarice Tanaka

Diaphragm in the role of esophageal sphincter and possibilities of treatment of esophageal reflux disease using physiotherapeutic procedures

Petr Bitnar (Kladno, Czech Republic), Štěpán Hlava, Jan Štoviček, Alena Kobesová

Thermodynamic analysis of human respiratory (diaphragm) skeletal muscles

Jale Çatak (Istanbul, Turkey), Mustafa Ozilgen, Bayram Yilmaz

12:50 - 14:40

Thematic poster: Medical education via the web and the internet

Disease(s) : Respiratory infections Respiratory critical care Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : General respiratory patient care Public health Endoscopy and interventional pulmonology Respiratory intensive care Epidemiology

Chairs : Robert Primhak (Sheffield (South Yorkshire), United Kingdom)

Conceptualization of the clinical diagnosis components for digital coding in structured electronic databases of phthisiopulmonology.

Tatyana Lugovkina (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Tulkova, Serge Skorniyakov, Igor Medvinskiy, Evgeniy Egorov

Recognising Excellence in Respiratory Medicine

Rachel Jones (Bristol (Avon), United Kingdom), Shelley Barnes, Kathryn Bateman

Development of an online resource to support paediatric asthma management: www.beatasthma.co.uk

Jennifer Townshend (Newcastle Upon Tyne (Tyne and Wear), United Kingdom), Louise Hayes, Sally Hails, Austin Toombs, Madeline Balaam

How to teach anesthesiologists and intensivists to perform bronchoscopy? Three years experience with practically directed workshops in the Czech Republic

Hana Bartáková (Praha, Czech Republic), Michal Otahal, Vaclav Baca, Jiri Votruba

Assessment of physicians and undergraduates in COPD: ASCO-2 study

Kateryna Gashynova (Dnipro, Ukraine), Roman Bontsevich, Olga Kompaniets, Galina Batisheva, Olga Cherenkova, Tatiana Shagieva, Elena Luchinina, Alexandr Leonov, Alina Chernykh, Alina Leonova, Kristina Shchurovskaya, Tatyana Pokrovskaya

The effect of an asthma awareness campaign on social media users.

Helmy Haja Mydin (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Sundari Ampikaipakan, Shahid Shayaa, M.R. Partridge

Can bronchoscopy be made safer through team-based Simulation?

James Tonkin (London, United Kingdom), Yee-Ean Ong

Asthma care pathway

Christine Rolland (Boulogne-Billancourt, France), Marc Sapène

The impact of a dedicated multidisciplinary social media team at a national critical care conference

Rachael Moses (North Shields (Tyne and Wear), United Kingdom), Aoife Abbey, Nitin Arora, Rob Cronin, Steve Mathieu, Ganesh Suntharalingam, Jamie Strachan, Tanj Sanghera, Jonathan Downham

Comparison of COPD Management Practices with Expert Recommendations among Pulmonologists and Primary Care Providers

Edward Jackson (New York, United States of America), Keith Johnson, Shari Dermer, Fernando Martinez

Assessment of Severe Asthma Management Practices among Pulmonologists and Allergists

Edward Jackson (New York, United States of America), Keith Johnson, Shari Dermer, Reynold Panettieri

Engaging people at highest risk of an asthma attack

Samantha Walker (London, United Kingdom), Catherine Broadbent, Simon Christmas

Patient-reported side effects of oral corticosteroids

Samantha Walker (London, United Kingdom), Catherine Broadbent, Paul Pfeffer, Liz Steed

Simulation skill labs to support informal caregivers who care for patients requiring mechanical ventilation at home

Annamaria Bagnasco (Genova (GE), Italy), Milko Zanini, Giuseppe Aleo, Gianluca Catania, Loredana Sasso

Do medical and nursing students know correct use of Inhalers? Results of UPSIDE India study

Ashwini Dhumal (Pune (Maharashtra), India), Monica Barne, Sapna Madas, Sushma Jadhav, Jyoti Londhe, Madhuragauri Shevade, Baishakhi Ghosh, Noopur Hedawoo, Dilip Kadam, Sushant Meshram, Ajay Chandanwale, Sandhya Khadse, Sundeep Salvi

Diffuse panbronchiolitis is not restricted to east asia - A mini literature review

Ram Mishra (Thane (Maharashtra), India)

Systems approach to improving safety with intercostal chest drains (ICD)

Burhan Khan (Dartford, United Kingdom)

Training programme on Pediatric Asthma: What is the impact of a 1 day training programme in improving level of knowledge about Asthma amongst practicing pediatricians in India?

Monica Barne (Pune (Maharashtra), India), Noopur Hedawoo, Nisha Kale, Sapna Madas, Sundeep Salvi

12:50 - 14:40

Thematic poster: Cardiopulmonary exercise testing in COPD and cardiovascular diseases

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology General respiratory patient care Public health

Chairs : Sébastien Baillieul (GRENOBLE CEDEX 9, France), Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Zafeiris Louvaris (Leuven, Belgium)

Exercise tolerance and balance of inspiratory-to-expiratory muscle strength in relation to breathing timing in chronic obstructive pulmonary disease

Keisuke Miki (Toyonaka, Japan), Kazuyuki Tsujino, Ryuya Edahiro, Seigo Kitada, Mari Miki, Kenji Yoshimura, Hiroyuki Kagawa, Yohei Oshitani, Yuko Ohara, Yuki Hosono, Hiroyuki Kurebe, Ryoji Maekura

Endothelial microparticles as markers of exercise capacity in chronic obstructive pulmonary disease (COPD)

Dario Nieri (Pisa (PI), Italy), Marta Daniele, Tommaso Neri, Maria Adelaide Roggi, Sabrina Santerini, Barbara Vagaggini, Carmela Morizzo, Carlo Palombo, Pierluigi Paggiaro, Alessandro Celi

Physiological and perceptual responses to exercise according to the locus of symptom limitation in patients with COPD

Lauren Tracey (Montreal, Canada), Dennis Jensen

Correlation of a modified shuttle walk with six-minute walk test in COPD patients

Rishi Gopalakrishnan (Thrissur (Kerala), India), Rupak Singla

Oxygen desaturation-resaturation and heart rate change patterns during 6-min walk test in patients with mild to severe interstitial pneumonia

Takeshi Inagaki (Chiba, Japan), Jiro Terada, Musuzu Yahaba, Naoko Kawata, Mitsuhiro Abe, Kenji Tsushima, Koichiro Tatsumi

The disease phenotype affects exercise capacity in COPD

Rocco Francesco Rinaldo (Milano (MI), Italy), Beatrice Vigo, Sofia Comandini, Alessandra Masseroni, Stefano Centanni, Fabiano Di Marco

Any role for cardiopulmonary exercise test in symptomatic smokers with borderline spirometry?

Rocco Francesco Rinaldo (Milano (MI), Italy), Pierfrancesco Longo, Fulvia Ribolla, Silvia Ruggeri, Job Sara, Stefano Centanni, Fabiano Di Marco

Exercise performance in lowlanders with COPD travelling to 2048m

Tobias Kuehne (St. Gallen, Switzerland), Michael Furian, Tsogyal D Latshang, Sayaka S Aeschbacher, Fabienne Huber, Deborah Flueck, Elisabeth Domenica Hasler, Stefanie Ulrich, Philipp M Scheiwiller, Silvia Ulrich, Konrad Ernst Bloch

COPD-Left ventricular diastolic dysfunction overlap and ventilatory inefficiency

Tiago Rodrigues De Lemos Augusto (Campo Grande, Brazil), Karina Utida, Paulo Muller, Ana Cristina Wanderley Xavier

To study the validity, reliability and acceptability of an audio signal modified shuttle walk test in COPD patients

Abhishek Faye (Bhandara (Maharashtra), India), Rupak Singla, Richa Rai, Anil Jain, Ranadip Chowdhury, Vikas Kumar, Shweta Anand

Exercise related desaturation in patients with COPD is a reproducible phenomenon and important phenotypic marker

Roman Kalinov (Krumovo, Bulgaria), Blagoi Marinov, Dimitrina Stoianova, Nonka Mateva, Vladimir Hodgev, Stefan Kostianev

Exercise related desaturation (6MWT) in patients with COPD – Is it predictable?

Roman Kalinov (Krumovo, Bulgaria), Blagoi Marinov, Dimitrina Stoianova, Nonka Mateva, Vladimir Hodgev, Stefan Kostianev

Dynamic hyperinflation: can it be the key mechanism for exercise intolerance?

Ana Lutas (Lisboa, Portugal), Susana Clemente, Andreia Isidoro, Sara Dordio, Teresa Pequito, Marco Pereira, Sofia Furtado

Quality of life and exercise intolerance in overlapping COPD-heart failure

A.S. Soares (Sao Paulo, Brazil), R. Lima, F.F. Arbex, M.C. Alencar, M.F. Oliveira, W.M. Medeiros, L.E. Nery, J.A. Neder, Priscila Sperandio

The association between lung function and peak oxygen uptake in coronary artery disease

Øystein Rasch-Halvorsen (Trondheim, Norway), Erlend Hassel, Ben M Brumpton, Haldor Jenssen, Martijn A Spruit, Arnulf Langhammer, Sigurd Steinshamn

Incremental step test in patients with pulmonary hypertension

Elaine Vieira (Sao Caetano do Sul (SP), Brazil), Roberta Ramos, Ivan Ivanaga, João Rolim, Angelo Fonseca, José Rodrigues Júnior, Eloara Ferreira, Simone Dal Corso, Luiz Eduardo Nery, Jaqueline Ota-Arakaki

Clinical value of an abnormal increase of O2 pulse during early recovery from maximal exercise in patients with chronic thromboembolic pulmonary hypertension

Camila Melo Coelho Loureiro (Salvador (BA), Brazil), Jaqueline Sonoe Ota-Arakaki, Andrei Augusto Assis De Campos Cordeiro, Eloara V M Ferreira, Angelo Xerez Cepeda, Rudolf K F Oliveira, Carolina Montemór Soares Messina, Elaine Brito Vieira, Luiz Eduardo Nery, Roberta Pulcheri Ramos

Voluntary exercise increases survival and exercise capacity in a monocrotaline-induced pulmonary hypertension in rats

(), Monica Irani Gouveia, Leoncio Lopes Soares, Filipe Rios Drummond, Meileni Ribeiro Fidelis, Alexandre Jayme Lopes Dantas Costa, Leonardo Mateus Teixeira Rezende, Anselmo Gomes De Moura, Antonio Jose Natali

Expiratory stenosis breathing – a novel model of dynamic hyperinflation

Matthias Urban (Wien, Austria), Anna Katharina Mayr, Ingrid Schmidt, Otto Chris Burghuber, Georg-Christian Funk

Characteristics associated with physical activity in non-severe chronic obstructive pulmonary disease

Marise Kasteleyn (Leiden, Netherlands), Amanda R. van Buul, Raoul G.A.J.M. Helmes, Tobias N. Bonten, Renée De Mutsert, Pieter S. Hiemstra, Saskia Le Cessie, Frits R. Rosendaal, Niels H. Chavannes, Christian Taube

12:50 - 14:40

Thematic poster: Mesothelioma and pleural malignancy: investigations and management**Disease(s) :** Thoracic oncology Respiratory infections Respiratory critical care**Method(s) :** Cell and molecular biology Epidemiology General respiratory patient care Surgery Endoscopy and interventional pulmonology Physiology**Chairs :** Julius P. Janssen (Nijmegen, Netherlands)**5-hydroxymethylcytosine but not MTAP methylation status can stratify malignant pleural mesothelioma based on the lineage of origin**

Giulia Maria Stella (Pavia (PV), Italy), Matteo Bosio, Elena Salvaterra, Patrizia Morbini, Michele Zorzetto, Simona Inghilleri, Stefano Tomaselli, Patrizia Mangiarotti, Francesca Datturi, Federica Meloni, Isa Cerveri

In the era of personalised medicine, is pleural fluid cytology sufficient for oncological treatment?

Rachel Mercer (Guildford (Surrey), United Kingdom), David Mccracken, Rachelle Asciak, Robert Hallifax, Maged Hassan, Eihab Bedawi, Najib Rahman

Targeting of CSF1R abrogates Lewis Lung adenocarcinoma-induced malignant pleural effusion

Chrysavgi Kosti (Vrilissia, Greece), Sophia Magkouta, Photene Vaitsi, Apostolos Pappas, Charalampos Moschos, Marianthi Iliopoulou, Katherina Psarra, Ioannis Kalomenidis

Treatment with Anti-VEGF and anti-EGFR in a model of malignant pleural effusion: Genic evaluation

Lisete Ribeiro Teixeira (São Paulo (SP), Brazil), Vanessa Alvarenga, Roberta Sales, Carlos Silva, Nicole Almeida, Lucas Sousa, Ana Santos, Vera Capelozzi, Evaldo Marchi, Milena Acencio

Role of markers C-Reactive Protein, Procalcitonin and TREM-1 in diagnosis of infection pleural effusion

Lisete Ribeiro Teixeira (São Paulo (SP), Brazil), Vanessa Alvarenga, Milena Acencio, Roberta Sales, Aline Silva, Jucara Silva, Carlos Silva, Evaldo Marchi

Water and urea transport in benign and malignant pleural mesothelial cells.

Evgeniy Solenov (Novosibirsk, Russian Federation), Alexander Ershov, Galina Baturina, Lubov Katkova, Chrissi Hatzoglou, Konstantinos Gourgoulanis, Sotirios Zarogiannis

ADAM10 membrane-bound protease mediates malignant pleural mesothelioma invasiveness

Didier Cataldo (Liege, Belgium), Christelle Sepult, Marine Bellefroid, Christine Gilles, Andreas Ludwig, Bernard Duysinx, Agnès Noel

Effects of 2-Deoxy-glucose with Cisplatin-Pemetrexed in mesothelioma sphere formation.

Rajesh Jagirdar (Larissa, Greece), Irini Georgianni, Eleanna Pitaraki, Eleftherios Papazoglou, Chrissy Hatzoglou, Konstandinos Gourgoulanis, Sotirios Zarogiannis

Cytology, chest computed and positron emission tomography correlations in lung cancer malignant pleural effusion.

Clement Brun (Saint-Etienne, France), Pierre Gay, Michelle Cottier, Georgia Karpathiou, Fabrice-Guy Barral, Jean-Michel Vergnon, Marios E. Froudarakis

Investigating unilateral pleural effusions: the role of cytology.

David Arnold, Duneesha De Fonseka, Siobhan Perry, Andrew Medford, Mary Brett, Nick Maskell, Speaker to be confirmed

The use of immunocytochemistry to diagnose the etiology of malignant pleural effusion.

Aleksey Reshetov (St. Petersburg, Russian Federation), Vasily Klimenko, Victor Novik, Oleg Ivanov, Dmitry Ermakov

Red cell distribution width value as a novel biomarker for exudative pleural fluid.

Akbar Sharifi (Tabriz, Islamic Republic of Iran), Dorraji Amir

Differences in the pathological patterns of non-specific pleuritis (NSP).

Georgia Karpathiou (Saint-Etienne, France), Sirine Hathroubi, Arnaud Patoir, Olivier Tiffet, Francois Casteillo, Clement Brun, Fabien Forest, Najib M. Rahman, Michel Peoc'H, Marios E. Froudarakis

Comparison of pleural fluid pH measurements: blood gas analyzer, pH indicator stick, litmus paper, and point-of-care testing for blood gases

Sang-Ha Kim (Wonju, Republic of Korea), Beomsu Shin, Seok Jeong Lee, Myoung Kyu Lee, Won-Yeon Lee, Suk Joong Yong

Impact of a pleural pathology unit in a third level hospital

Ines Ruiz Alvarez (Oviedo, Spain), Francisco Lopez Gonzalez, Ana Isabel Enriquez Rodriguez, Tamara Hermida Valverde, Carmen Osoro Suárez, Julia Herrero Huertas, Andres Ortiz Reyes, Ariel Moreda Bernanrdo, Lucia Garcia Alfonso, Pere Casan Clara

Pericardial and pleural metastases: clinical and histological differences

Georgia Karpathiou (Saint-Etienne, France), Mousa Mobarki, Sirine Hathroubi, Marie Laure Stachowicz, Arnaud Patoir, Olivier Tiffet, Michel Peoc'H, Marios Froudarakis

Rotation Aiding (RA's) technique for EBUS-TBNA biopsy of intrathoracic lymph node: a comparison of conventional Jab method

Seung Won Ra (Ulsan, Republic of Korea), Woon Jung Kwon, Yongjik Lee, Chang-Ryul Park, Hee Jeong Cha, Byung Ju Kang, Taehoon Lee, Yangjin Jegal, Jong-Joon Ahn, Youngjoon Chee, Kwang Won Seo

Malignant Mesothelioma (MM) is still the leading cause of death in Karain villagers in Turkey and/or abroad due to erionite exposure

A. Salih Emri (Istanbul, Turkey), Dorina Esendagli, Michele Carbone

12:50 - 14:40

Thematic poster: Muscles and diaphragm, and quality improvement**Disease(s) :** Respiratory critical care Airway diseases Interstitial lung diseases Respiratory infections**Method(s) :** Respiratory intensive care General respiratory patient care Transplantation Physiology Imaging**Chairs :** Alexandre Demoule (Paris, France), Christian Bruells (Aachen, Germany), Julien Guiot (Liège, Belgium), Chair to be confirmed**Different loads of inspiratory muscle training in mechanical ventilation weaning: randomized trial**

Ligia Roceto Ratti (Valinhos, Brazil), Rodrigo Tonella, Luciana Figueiredo, Ivete Saad, Antonio Falcão, Pedro Paulo Martins

Analysis of the involvement of respiratory muscles through the TIE index in patients in ventilatory weaning with surface electromyography

Helson Costa (Rio De Janeiro (RJ), Brazil), Leonardo Souza, Arthur Neto, Marcos David Godoy, Jocemir Lugon

Impact of diaphragmatic mobility in lung aeration loss in critically ill patients

Caroline Gomes Mól (São Paulo, Brazil), Caroline Gomes Mól, Monize Karla Alves Aquino, Renato Batista Reis, Catherine Cely Oliveira, Nataly Gomes Benites De Camargo, Rita Ferreira De Souza, Clarice Tanaka

Use of a new protocol of the inspiratory muscle training can be the key to improve survival of patients under prolonged ventilation

Leonardo Souza (Rio De Janeiro (RJ), Brazil), Bruno Guimarães, Fernando Guimarães, Jocemir Lugon

Can you cross-train the inspiratory muscles by repetitive isometric neck flexion?

Wendy Darlene Reid (Toronto ON, Canada), Luana Melo, Masatoshi Hanada, Karl Zabjek

Clinical evidence for respiratory pump insufficiency predicts weaning failure

Friederike Sophie Magnet (Köln, Germany), Hannah Bleichroth, Sophie E. Huttman, Jens Callegari, Sarah B. Schwarz, Claudia Schmoor, Wolfram Windisch, Jan H. Storre

Floor and ceiling effects of functional status and peripheral muscle strength assessment scales in non-intubated critically ill patients.

Carlos Ramirez Gonzalez (Paulista, PE, Brazil), Shirley Campos, Maria Karoline Richtmoe, Wagner Leite, Anielle Azevedo, Ananda Silva, Raissa Correia, Wildberg Alencar, Caio Morais, Cyda Reinaux, Daniella Brandão, Maria Da Glória Rodrigues Machado, Armele Dornelas De Andrade

The effect of early pulmonary rehabilitation on the treatment of ICU chronic obstructive pulmonary disease with severe respiratory failure

Fangbo Zhao (Changchun (Jilin), China), Shuang Whang, Hongjing Lin

Pressure support ventilation (PSV) mode vs. (PSV)mode + T-piece trial as a weaning modality in mechanically ventilated chronic obstructive pulmonary disease patients

ahmed metwally (Assuit, Egypt), Rafat El-Sokary, Hassan Abd-Latif, Ghada Ahmed

Effects of Hygrovent Gold versus conventional humidifiers on invasive ventilation efficiency

Annia Fleur Schreiber (Torino (TO), Italy), Piero Ceriana, Manuela Piran, Giuditta Bettinelli, Alberto Malovini, Roberto Colombo, Annalisa Carlucci

Alveolar recruitment improving oxygenation in Acute Respiratory Distress Syndrome: A prospective observational study

Ann Mary Jose (Manipal (Karnataka), India)

A new device to prevent unplanned endotracheal self-extubation in mechanically ventilated patients.

CHEN-CHUN LIN (Taipei City, Taiwan), Hsiu-Li Wu, Szu-Yin Chen

Comparison of pediatric patients managed in the pediatric intensive care unit and other intensive care units

Woo Ri Bae (Seoul, Democratic People's Republic of Korea), Beom Joon Kim, Kyung Hoon Kim, Hye Jin Lee, Jong-Seo Yoon

Clinical outcome of medical emergency team activation according to trigger time

Se Hee Lee (Seoul, Republic of Korea), Jin Won Huh, Sang Bum Hong, Chae Man Lim, Youn Suck Koh

Early noninvasive ventilation in patients with severe community acquired pneumonia with or without ARDS

Yordanka Yamakova (Sofia, Bulgaria), Rosen Petkov, Viktoria Ilieva, Miroslov Mihaylov, Borislav Velev, Ivelina Staneva

Quality Improvement: Implementing NEWS scores at morning board round to improve discussion of sick respiratory patients

Kamatamu Amanda Mbonye (London, United Kingdom), Abigail Slack, Helena Hansford, Aklak Choudhury

Beneficial, but justifiable yet? ECCO2-Removal

Coskun Ates (Edirne, Turkey), Funda Yilmaz, Onur Mert, Idris Kurt, Hunkar Aggul, Zeliha Ademoglu, Merih Reis, Serdar Efe, Volkan Inal

Accuracy of gas exchange measurements as predictors of early successful weaning among ICU patients of Philippine Heart Center: a Prospective Cohort Study

John Ray Galamay (Quezon City, Philippines), Teresita De Guia, Ma. Encarnita Blanco-Limpin

The complacency could be predictive of TDGE in postoperative cardiac surgery: Croos sectional study?

Aline Heidemann (Campinas, Brazil), Thais Bento, Claudineia Logato, Antonio Falcão, Orlando Petrucci, Luciana Figueiredo, Desanka Dragosavac

Stroke volume change after digoxin loading in septic shock patients with transient left ventricular systolic dysfunction.

Dong Hyun Lee (Busan, Republic of Korea), Jin-Heon Jeong, Bo Hyoung Kang, Soojung Um, Choonhee Son

12:50 - 14:40

Thematic poster: Lung cancer: modern therapies and beyond**Disease(s) :** Thoracic oncology Airway diseases Respiratory infections Interstitial lung diseases**Method(s) :** Imaging General respiratory patient care Surgery Cell and molecular biology Epidemiology Endoscopy and interventional pulmonology**Chairs :** Katherina Bernadette Sreter (Zagreb, Croatia), Rainer G. Wiewrodt (Münster, Germany), Katja Mohorcic (Trzic, Slovenia), Chair to be confirmed**Ratio And Regional Distribution Of Genetic Mutation In Lung Cancer In Turkey (REDIGMA)**

Tevfik Özlü (Trabzon, Turkey), Neslihan Özçelik, Nimet Aksel, Yilmaz Bulbul, Yurdanur Erdogan, Filiz Güldaval, Sule Karabulut Gul, Ahmet Bircan, Atilla Can, Necdet Oz, Aysegul Senturk, Sibel Arinc, Talat Kilic, Bahar Kurt, Ersin Gunay, Benan Caglayan, Derya Celebi Aydin, Ilknur Basyigit, Ismail Savas, Dursun Tatar, Sulhattin Aslan, Berna Komurcuoglu, Mehmet Bayram, Inci Gulmez, Omer Tamer Dogan, Elif Yelda Niksarlioglu, Erkan Kaba, Esra Aydin Ozgur

Prognosis of uncommon metastasis in non-small-cell lung cancer patients with mutated EGFR

Akihiro Yoshimura (Kyoto, Japan), Taisuke Tsuji, Chieko Takumi, Ryosuke Hamashima, Shinsuke Shiotsu, Tatsuya Yuba, Noriya Hiraoka

Efficacy of Afatinib, Erlotinib, and Gefitinib on epidermal growth factor receptor (EGFR) mutant non-small cell lung cancer (NSCLC) patients with brain metastasis: a network meta-analysis

So-My Koo (Seoul, Republic of Korea), Ki-Up Kim, Yang-Ki Kim, Soo-Taek Uh

Comparison of re-biopsy success rates among procedures and sequential changes of EBUS images

Kei Morikawa (Kawasaki (Kanagawa), Japan), Takeo Inoue, Masamichi Mineshita, Teruomi Miyazawa

Expression status of PD-L1 in NSCLC correlates with disease extension

Aya Yamamoto (Amagasaki, Japan), Takashi Iwata

Expression of PD1, COPD and lung cancer.

Francisco Javier Verdu Rivera (, Spain), Vanesa Cunill Monjo, Maria Isabel Luna Lopez, Valero Andreu Matillas, Amanda Iglesias Coma, Jaime Pons De Ves, Alberto Alonso Fernandez, Francisco De Borja Garcia-Cosio Piqueras, Maria Cerda Moncadas, Jaume Saulea Roig

Retrospective analysis of tumor programmed death-ligand 1 expression in transbronchial biopsy samples

Hirofumi Takahashi (Sapporo, Japan), Naofumi Shinagawa, Yutaka Hatanaka, Mamoru Kunisaki, Megumi Furuta, Yuuta Takashima, Tetuaki Shouji, Hidenori Kitai, Hajime Kikuchi, Hidenori Mizugaki, Hajime Asahina, Eiki Kikuchi, Jyunko Kikuchi, Jyun Sakakibara, Yoshihiro Matsuno, Masaharu Nishimura

Benefit of immune checkpoint inhibitors (ICIs) for second-line treatment of advanced non-small cell lung cancer (NSCLC) using restricted mean survival time (RMST).

Perrine Cr  quit (Paris, France), Alexandre Vivot, Raphael Porcher, Jacques Cadranel

Hyper-progressive disease in patients with advanced non-small cell lung cancer (NSCLC) treated with nivolumab (nivo)

Adrien Costantini (Paris, France), Jennifer Corny, Vincent Fallet, Sophie Renet, Sylvie Friard, Christos Chouaid, Boris Duchemann, Etienne Giroux-Leprieur, Laurent Taillade, Ludovic Doucet, Marina Nguenang, Stephane Jouveshomme, Marie Wislez, Jean Tredaniel, Jacques Cadranel

Different Th1 and Th2 cytokine profile in serum and tumor microcirculation of SCLC and NSCLC patients

Marija Karlicic (Beograd, Republic of Serbia), Vukoica Karlicic, Danilo Vojvodic

Pleural and systemic cytokine expression profiles in patients with lung cancer

David Betz (Munich, Germany), Rudolf Maria Huber, Diego Kauffmann-Guerrero, Kathrin Kahnert, Sebastian Kobold, Pontus Mertsch, Rosemarie Kiefl, Marina Schaule, Julia Stump, Amanda Tufman

Radiographic findings after stereotactic radiotherapy for lung carcinoma: retrospective analysis of 90 patients

In  s Menoux (Strasbourg, France), Delphine Antoni, Nicola Santelmo, Pierre Truntzer, Catherine Schumacher, Aissam Labani, Georges No  l

How to predict fatal pneumonitis in non-small cell lung cancer (NSCLC) patients treated with radiotherapy (RT)

Jaume Bordas Martinez (barcelona, Spain), Cristina Martin Cabeza, Susana Padrones Sanchez, Ramon Palmero Sanchez, Ernest Nadal Alforja, Valentin Navarro Perez, Jordi Dorca Sargatal, Arturo Navarro Mart  n, Samantha Aso Gonzalez

Characteristics of radiation pneumonitis and lung function after curatively intended radiotherapy in non-small cell lung carcinoma

Janna Berg (Porsgrunn, Norway), Ann Rita Halvorsen, Jon Olav Haugstvedt, May-Bente Bengtson, Odd Terje Brustugun,   slaug Helland

Prognosis of non-small-cell lung cancer in patients with idiopathic pulmonary fibrosis

Song Yi Han (Seongnam-si, Gyeonggi-do , Republic of Korea), Youlim Kim, Yeon Joo Lee, Jong Sun Park, Young-Jae Cho, Ho Il Yoon, Jae-Ho Lee, Choon-Taek Lee, Jin-Haeng Chung, Kyung Won Lee, Sang Hoon Lee

Pulmonary tuberculosis and lung cancer: simultaneous and sequential occurrence

Berna K  m  rc  o lu (Izmir, Turkey), Aysen Evkan, Gulru Polat, Sevk  t Dereli

Characterization and management of elderly and very elderly patients with non-small cell lung cancer

Vera Cl  udia Oliveira Cl  rigo (Lisboa, Portugal), Direndra Hasmucrai, Encarna  o Teixeira, Paula Alves, Ana Vilari  a, Renato Sotto-Mayor

Prevalence of and risk factors for pulmonary complications after lung cancer surgery in elderly patients with preserved lung function

Yunjoo Im (Seoul, Republic of Korea), Sumin Shin, Sun Hye Shin , Hyun-Il Gil, Hyun Lee, Ho Yun Lee, Jhingook Kim, Hye Yun Park

Clinical Features and Treatment Outcome of Carcinomatous Pericarditis due to Lung Cancer.

Yoko Kida (Kobe, Japan), Yusuke Inui, Kouki Sato, Rikiya Koketsu, Toshiyasu Sakurai, Kimihide Tada, Akihiko Ikeda, Kimio Hashimoto, Nobuyuki Katakami

Tracheal Chondrosarcoma Masquerading as COPD

Dayle Terrington (King's Lynn (Norfolk), United Kingdom), Anshu Punjabi, Amyn Bhamani, Ajay Kamath

12:50 - 14:40

Thematic poster: Non-invasive ventilation in chronic respiratory failure

Disease(s) : Respiratory critical care Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Respiratory intensive care Physiology

Chairs : Patrick B. Murphy (Oxsted (Surrey), United Kingdom), João Carlos Winck (Vila Nova de Gaia, Portugal), Jean Christian Borel (Meylan, France), Maxime Patout (Mont-Saint Aignan, France)

Mouthpiece ventilation in COPD: an option for not-compliant patients

Anna Annunziata (Napoli (NA), Italy), Maurizia Lanza, Gianfranco Scotto Di Frega, Rosa Cauteruccio, Ilernando Meoli, Antonio Esquinas, Giuseppe Fiorentino

A descriptive and cross-sectional multicentric study of long-term home non-invasive ventilation: adaptive servo-ventilation population

Chloé Cantero (Genève, Switzerland), Patrick Pasquina, Dan Adler, Alain Bigin Younossian, Maura Prella, Paola Gasche, Jean-Paul Janssens

The NIVO Study: attitudes to ventilation following acute NIV.

Nicholas Lane (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Tom Hartley, Victoria Ferguson, John Steer, Stephen Bourke

The minimal clinically important difference of the Severe Respiratory Insufficiency questionnaire.

Janine Kort (Groningen, Netherlands), Gerrie Bladder, Marieke Duiverman

Skin integrity in domiciliary non-invasive ventilation: a clinical audit

Sarah Ewles (Southampton, United Kingdom), Sally Cozens, Peter R Worsley, Sean Ewings, Joy Conway

Long-term outcomes of patients with chronic hypercapnic respiratory failure (CHRF) managed with home noninvasive ventilation (NIV)

Marcus Sim (Singapore, Singapore), Anthony Yii, Leong Chai Leow, Thun How Ong

Epidemiology of Non-Invasive Domiciliary Ventilation in the southwest of Spain

Jacinto Hernandez Borge (Badajoz, Spain), Luis Miguel Sierra Murillo, Miguel Benitez-Cano Gamonoso, Kaoutar El Boutaibi Faiz, Maria Jose Antona Rodriguez, Maria Carmen Garcia Garcia, Francisca Lourdes Marquez Perez, Ana Maria Castañar Jover, Pilar Cordero Montero

Temporal trends in the initiation of domiciliary non-invasive ventilation (NIV)

Alana Livesey (Birmingham (West Midlands), United Kingdom), Pearlene Antoine-Pitterson, Amy Oakes, Clare Williams, Biman Chakraborty, Rahul Mukherjee

Noninvasive ventilation (NIV) adherence for chronic respiratory failure treatment

Gurvan Le Bouar (Rouen, France), Déborah Boyer, Elise Artaud-Macari, Luis Carlos Molano, Catherine Viacroze, Antoine Cuvelier, Maxime Patout

Inspired oxygen fraction during non-invasive ventilation: the influence of flow rates, masks, exhalation ports and ventilatory settings

Maud Hoofs (Zoetermeer, Netherlands), Rob Hagmeijer, Marieke L. Duiverman

Noninvasive ventilation (NIV) related adverse events

Maxime Patout (Mont-Saint Aignan, France), Christian Caillard, Gregoire Jolly, Kinan El Hussein, Mathilde Le Brun, Marielle De Marchi, Julien Pierchon, Diane Gervereau, Mohamed-Zouhaier Gharsallaoui, Antoine Cuvelier

Do patients on NIV change their NIV use on nights when they have oximetry?

Paul Plant (Leeds (West Yorkshire), United Kingdom), V Yioe, A Khajuria, K Ward, R Angus, B Chakrabarti, N Duffy, R Parker, A Manuel

Overnight monitoring of lung mechanics and Tidal expiratory flow limitation (EFLT) by Forced Oscillation Technique (FOT) in Chronic Obstructive Pulmonary Disease (COPD) receiving non-invasive ventilation (NIV): the impact of sleep and posture

Ilaria Milesi (Milano (MI), Italy), Roberto Porta, Michele Vitacca, Simona Cacciatore, Rossella Trentin, Luca Barbano, Francesco Fanfulla, Raffaele Dellaca

Use of nasal pillows in amiotrophic lateral sclerosis (ALS) patients with high non invasive ventilation (NIV) dependence

Luana Focaraccio (Torino (TO), Italy), Giulia Rovere, Roberta Di Tria, Renza Ambrosanio, Elisa Clivati, Sabrina Marchisio, Giuseppe Tabbia, Caterina Bucca, Alessio Mattei

Home monitoring of transcutaneous PCO2 in children on long term ventilation.

(), Samira Touil, Annick Frapin, Sonia Khirani, Alessandro Amaddeo, Brigitte Fauroux

PROGNOSTIC FACTORS FOR SUCCESSFUL ADHERENCE WITH NON-INVASIVE MECHANICAL VENTILATION THERAPY.

Sofía Jaurrieta Largo (Valladolid, Spain), Ignacio Lobato Astiárraga, Blanca De Vega Sánchez, María José Chourio Estaba, Ana María Andrés Porras, Ana Isabel García Onieva, Irene Alaejos Pascua, María Beatriz Cartón Sánchez, Isabel Ramos Cancelo, Carlos Disdier Vicente

Non-invasive ventilation in motor neurone disease patients attending the West of Scotland Long-Term Ventilation Unit (WoSLTVU)

Grace Murphy (Glasgow (Glasgow), United Kingdom), Joanne Payne, Alison Clarke, George Gorrie, David Raeside, Scott Davidson

Role of Comorbidities and BMI on the Efficacy of Non Invasive Ventilation in COPD with Chronic Hypercapnia.

Angelo Petroianni (Roma (RM), Italy), Letizia D'Antoni, Jacopo Di Lorenzo, Fatim Zahra El Couhen, Francesca Oriolo, Elda Graziani

Security of removal long- term domiciliary oxygen therapy without indication.

Maria Jose Chourio Estaba (, Spain), Sofia Jaurrieta Largo, Ignacio Lobato Astiárraga, Blanca De Vega Sánchez

Pressure-controlled versus vs. volume-controlled ventilation in patients affected by amyotrophic lateral sclerosis (ALS).

Grazia Crescimanno (Palermo (PA), Italy), Maria Canino, Francesca Greco, Oreste Marrone

12:50 - 14:40

Thematic poster: Granulomatous disorders: heterogeneous diseases with variable management

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Respiratory intensive care Imaging Cell and molecular biology Epidemiology

Chairs : Robert P. Baughman (Cincinnati, United States of America), Hilario Nunes (Bobigny, France)

Retrospective analysis of sarcoidosis characteristics and psychological impact between civilian and military populations.

Clara Ranc (Clamart, France), Olivier Bylicki, Hervé Le Floch, Wanda Gaspard, Lucie Zhang, Frederic Grassin, Frederic Riviere

Spirometry, cardiopulmonary exercise testing and the six-minute walk test results in sarcoidosis patients

Atefeh Abedini (Tehran, Islamic Republic of Iran), Arda Kiani, Alireza Eslaminejad, Mohsen Shafie Pour, Fatemeh Razavi, Seyyed Reza Seyyedi, Babak Sharif- Kashani, Kimia Taghavi

Gender and smoking – does it matter for lung function in sarcoidosis? An analysis of large cohort (n=1260) Caucasian patients.

Piotr Boros (Warszawa, Poland), Magdalena Martusewicz-Boros, Stefan Wesolowski

Health-related quality of life and health status among patients with sarcoidosis, chronic obstructive pulmonary disease and interstitial lung disease

Marina Labor (Zagreb, Croatia), Gordana Pavlisa, Marija Alilovic

Exhaled Breath Biomarkers in Sarcoidosis: A Systematic Review

Dayle Terrington (King's Lynn (Norfolk), United Kingdom), Conal Hayton, Adam Peel, Stephen Fowler, Andrew Wilson

Current biomarkers would not predict complicated sarcoidosis

Parvaneh Baghaei Shiva (Tehran, Islamic Republic of Iran), Leslie Rodriguez, Oriana Salamo, Andrea Guerrero-Cignarella, Gregory Holt, Rafael Calderon-Candelario, Michael Campos, Mehdi Mirsaedi

The comparative characteristics of mediastinal lymphadenopathies in granulomatous pulmonary diseases Makaryants N., Lepekha L., Sivokozov I., Semenova A. Central TB Research Institute, Moscow, Russia

Natalia Makaryants (Moscow, Russian Federation)

Does the peripheral blood neutrophil lymphocyte ratio increase as the stage of sarcoidosis progresses?

Esin Sonkaya (STANBUL, Turkey), Sumeyye Alparslan Bekir, Fatma Ozbaki, Selma Aydo an Ero lu, Lale Sertçelik, Dildar Duman, Murat Kavas, Meltem Çoban A ca, I pek Erdem, I pek Özmen, Sibel Bo a, Fatma Arma an Hazar, Tülin Sevim, Hatice Türker, Zühal Karakurt

Glucocorticosteroid therapy as predisposing factor for pulmonary sarcoidosis relapse

Ievgeniia Merenkova (Kyiv, Ukraine), Yaroslav Dziublyk, Galyna Gumeniuk, Mykola Gumeniuk

Predictive value of Neutrophil-to-lymphocyte ratio(NLR) and Platelet-to-lymphocyte ratio(PLR) in patients with Sarcoidosis

Gülstan Karadeniz (Izmir, Turkey), Enver Yalın z, Fatma Ucsular, Gülru Polat, Görkem Vay soglu

Monocytes and dendritic cells with hyperinflammatory profile in lungs of sarcoidosis patients

Anna Smed-Sörensen (Stockholm, Sweden), Rico Lepzien, Sang Liu, Susanna Kullberg, Anders Eklund, Johan Grunewald

Long-term outcomes of rituximab (RTX) therapy in recurrent Granulomatosis with Polyangiitis (GPA)

Dariusz Gawryluk (Warszawa, Poland), Justyna Fijolek, Elzbieta Wiatr

Long-term follow-up of patients with pulmonary sarcoidosis

Yulia Garmash (Moscow, Russian Federation), Sergey Evgenievich Borisov, Diana Ivanova

Evaluation of specific immune complexes in patients with pulmonary sarcoidosis.

Ulia Zinchenko (St Petersburg, Russian Federation), Anna Starshinova, Michael Filatov, Vladimir Burdakov, Sergey Landa, Nina Denisova, Piotr Yablonskiy

Clinical features and prognosis of Chinese sarcoidosis patients.

Xiaoqian Ma (Beijing, China), Huaping Dai, Chen Wang

Dynamics of the incidence and primary disability of sarcoidosis in Belarus

Halina L Baradzina (Minsk, Belarus)

Sarcoidosis: imagiological findings and their impact on the disease outcome

Margarida Baptista Duarte Barata (Lisboa, Portugal), Ricardo Estêvão Gomes, Carolina Monge, Miguel Lopes, Jorge Soares, José Duarte

Psychological impact of diffuse infiltrative lung disease

Ibna Loued (MONASTIR, Tunisia), Sonia Toujani, Abir Hedhli, Sana Cheikhrouhou, Yassine Ouahchi, Meriem Mjid, Samira Meraïi

12:50 - 14:40

Thematic poster: Consequences of idiopathic interstitial pneumonias**Disease(s) :** Interstitial lung diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Imaging Cell and molecular biology Epidemiology**Chairs :** Elisabeth Bendstrup (Vejle, Denmark), Julia Wälscher (Heidelberg, Germany), Catharina Moor (Rotterdam, Netherlands), Carlo Vancheri (Catania (CT), Italy)**Prognostic and functional significance of osteoporosis and vitamin D deficiency in interstitial lung diseases**

Vivien Somogyi (Heidelberg, Germany), Carlos Francisco Silva, Simon Triphan, Monika Eichinger, Michael Kreuter

Validity and responsiveness of the Euro-Qol-5 Dimensions-5 Levels (EQ5D5L) in IPF

Claire M. Nolan (London, United Kingdom), Matthew Maddocks, Toby M Maher, Sarah E Jones, Suhani Patel, Ruth E Barker, Peter M George, William D-C Man

Depression is a predominant symptom among hypogonadism male patients with Interstitial Pulmonary Fibrosis

Doaa Magdy (Assiut, Egypt), Doaa Magdy, ahmed metwally, Randa El Zohne

Prevalence and clinical relevance of comorbidities in IPF

Ermanno Puxeddu (Roma (RM), Italy), Luigino Calzetta, Annapina Barrile, Francesco Cavalli, Alfredo Sebastiani, Mario Cazzola, Paola Rogliani

Validation of the King's Brief Interstitial Lung Disease questionnaire in Danish

Thomas Skovhus Prior (Århus N, Denmark), Ole Hilberg, Surinder Birring, Elisabeth Bendstrup

Vitamin D predicts disease progression in patients with pulmonary fibrosis and blunts in-vitro fibrotic responses

Vasilios Tzilas (Athens, Greece), Argyris Tzouvelekis, Evangelos Bouros, Thodoris Karampitsakos, Sofia Kourtidou, Ilianna Barbayianni, Ioanna Ninou, Vasilis Aidinis, Demosthenes Bouros

Diagnosis and therapy of acute exacerbations of idiopathic pulmonary fibrosis (AE-IPF) in Germany

Markus Polke (Heidelberg, Germany), Juergen Behr, Hans-Joachim Kabitz, Claus Neurohr, Gabriela Leuschner, Antje Prasse, Francesco Bonella, Dirk Koschel, Julia Wälscher, Michael Kreuter

Evaluation of Dyspnea Questionnaires in Patients with Idiopathic Pulmonary Fibrosis (IPF).

Onofre Moran Mendoza (Kingston (ON), Canada), Sharina Aldaheri, Sami Alyami, Maxine Kish, Sean Davison

Prognostic impact of the pulmonary artery size on chest computed tomography in Idiopathic Pulmonary Fibrosis patients

Ji Soo Choi (Seoul, Republic of Korea), Sung Woo Moon, Se Hyun Kwak, Ju Hye Shin, Song Yee Kim

Different characteristics and outcomes of acute exacerbation: comparison between interstitial pneumonia with autoimmune features and lone idiopathic interstitial pneumonia.

Ryobu Mori (Kobe, Japan), Mariko Kogo, Kazutaka Hosoya, Hayato Kawachi, Ryosuke Hirabayashi, Munehiro Ito, Daichi Fujimoto, Kazuma Nagata, Ryo Tachikawa, Atsushi Nakagawa, Kojiro Otsuka, Keisuke Tomii

Modified GAP stage as a predictor of acute exacerbation in idiopathic pulmonary fibrosis

Shinichiro Ohshimo (Hiroshima, Japan), Yoshiko Kida, Michihito Kyo, Yasushi Horimasu, Shintaro Miyamoto, Hiroshi Iwamoto, Hironobu Hamada, Noboru Hattori, Francesco Bonella, Josune Guzman, Ulrich Costabel, Nobuaki Shime

Prevalence of cancer in patients with Idiopathic Pulmonary Fibrosis. A retrospective multicenter study

Argyris Tzouveleakis (Athens, Greece), Theodoros Karampitsakos, Georgia Gomatou, Vasilios Tzilas, Evangelos Bouros, Serafeim Chrysikos, Evangelos Markozannes, Lykourgos Kolilekas, Efrossyni Manali, Ioannis Tomos, Ioanna Korbila, Periklis Tomos, Konstantinos Loverdos, Asimina Gaga, Katerina Antoniou, Athina Trachalaki, Zoe Daniil, Fotini Bardaka, Katerina Markopoulou, Spyridon Papiris, Rodoula Tringidou, Demosthenes Bouros

Hospitalisation pattern in Interstitial Lung Diseases: a claims data study

Sabine Witt (Neuherberg, Germany), Julia Waelscher, Larissa Schwarzkopf, Michael Kreuter

Diaphragm dysfunction in combination with lung function decline is associated with higher mortality in idiopathic pulmonary fibrosis patients

Eniko Barcsi (Budapest, Hungary), Abigel Farkas, Aniko Bohacs, Krisztina Vincze, Noemi Eszes, Gyorgy Losonczy, Veronika Muller

Natural history of idiopathic pulmonary fibrosis (IPF) associated with obstructive sleep apnea (OSA) with or without continuous positive airway pressure (CPAP)

Thomas Gille (Bobigny, France), Morgane Didier, Marouane Boubaya, Zohra Carton, Danielle Sadoun-Danino, Dominique Israël-Biet, Vincent Cottin, Frédéric Gagnadoux, Bruno Crestani, Marie-Pia D'Ortho, Pierre-Yves Brillet, Dominique Valeyre, Hilario Nunes, Carole Planès

Application of a predictive formula for hypoxic challenge testing in patients with interstitial lung disease

Sunil Patel (London, United Kingdom), Robert A Hastings, Harpreet K Lota, Philip L Molyneaux, Felix Chua, Georgios Magaritoupolous, Vasilis Kouranos, Maria Kokosi, Toby M Maher, Athol U Wells, Peter M George, Elisabetta A Renzoni

The role of infection in acute exacerbation of Idiopathic Pulmonary Fibrosis

Dong Weng (Shanghai, China), Huiping Li

Does body mass index influence survival of patients with idiopathic pulmonary fibrosis?

Nesrin Mogulkoc (ZMR, Turkey), Burcu Uysaler, Paul Bishop

Comorbid conditions in IPF patients; their frequencies and impacts on survival

Aysu Sinem Koc (Izmir, Turkey), Nesrin Mogulkoc, Paul Bishop

12:50 - 14:40

Thematic poster: News on the diagnosis of idiopathic interstitial pneumonia**Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** General respiratory patient care Epidemiology Imaging Cell and molecular biology Endoscopy and interventional pulmonology Surgery**Chairs :** Wim A Wuyts (Rotselaar, Belgium), Marcel Veltkamp (De Meern, Netherlands), Stéphane Jouneau (Rennes Cedex, France), Irina Ruxandra Strambu (Bucuresti 5, Romania)**The impact of a network based approach on lung function and symptom duration at diagnosis in idiopathic pulmonary fibrosis**

Taha Lodhi (Cheshire, United Kingdom), Colm Leonard, Pilar Rivera Ortega, Helen Morris, Tracey Marshall, Katherine Zakis, Theresa Garfoot, Conal Hayton, Melanie Greaves, John Blaikley, Nazia Chaudhuri

Nationwide survey of physicians' attitude and approach to the clinical evaluation of interstitial lung disease in Singapore

Felicia Teo (Singapore, Singapore), Gin-Tsen Chai, Su-Ying Low, Chia-Meng Teoh, Tunn-Ren Tay, Maria Kokosi, Chuan-Gee Choo, Sze-Khen Tan, Jessica Tan, Lynette Teo, Yuen-Li Ng, Gregory Kaw, Masashi Takahashi, Wim A Wuyts, Felix Chua, Vincent Cottin, Simon L-F Walsh, Yiong-Huak Chan

Absence of early metabolic response assessed by 18F-FDG PET-CT after initiation of antifibrotic drugs in IPF patients.

Benjamin Bondue (Bruxelles, Belgium), Amelie Castiaux, Gaetan Van Simaey, Celine Mathey, Felicie Sherer, Dominique Egrise, Simon Lacroix, Francois Huaux, Gilles Doumont, Serge Goldman

Multidisciplinary discussion (MDD) in IPF diagnosis: the experience of an Italian Centre

Elena Torricelli (Firenze (FI), Italy), Elisabetta Rosi, Lorenzo Turi, Cinzia Lo Conte, Caterina Piccioli, Emanuele Vivarelli, Paola Parronchi, Chiara Moroni, Alessandra Bindi, Edoardo Cavigli, Maurizio Bartolucci, Valentina Luzzi, Michela Bezzi, Domenico Viggiano, Luca Voltolini, Elena Bargagli

Histopathologic and Molecular Analysis of Idiopathic Pulmonary Fibrosis Lungs from Patients Treated with Pirfenidone or Nintedanib

Yingwei Zhang (Nanjing (Jiangsu), China), Kirk Jones, Natalia Achta-Zadeh, Jasleen Kukreja, Paul Wolters

Breath Biomarkers in Idiopathic Pulmonary Fibrosis: A Systematic Review

Conal Hayton (Manchester (Greater Manchester), United Kingdom), Dayle Terrington, Andrew M. Wilson, Nazia Chaudhuri, Colm Leonard, Stephen J. Fowler

Frequency of cough versus dyspnoea as the first recorded symptom of idiopathic pulmonary fibrosis

David Richard Thickett (Worcester (Hereford and Worcester), United Kingdom), Ronan Ryan, Rupert Jones, Robina Coker, Sen Yang, Mandy Ow, Priyanka Raju, Isha Chaudry, David Price

Impact of a Bayesian approach on the diagnosis of Interstitial Lung Diseases

Voon Shiong Ronnie Tan (Singapore, Singapore), Sok Boon Tay, Felicia Teo, Lynette Teo, Ching Ching Ong, Ju Ee Seet, Tow Keang Lim

MUC5B gene in a cohort of Lebanese patients with idiopathic pulmonary fibrosis

Georges Dabar (Beyrouth, Lebanon), Zeina Aoun, Moussa Riachi, Jacques Boutros

Quantitative Assessment of Thoracic Muscles in Patients with Idiopathic pulmonary fibrosis :Relationship with Prognosis

Sungwoo moon (Seoul, Republic of Korea), Song Yee Kim, Ji Soo Choi, Se Hyun Kwak, Ju Hye Shin

High-resolution computed tomography fibrosis score and pulmonary function tests in interstitial lung disease: Is there any correlation?

Rana Fessi (tunis, Tunisia), Besma Ourari, Jihen Ben Amar, Haifa Zaibi, Salwa Azzabi, Mohamed Ali Baccar, Hichem Aouina

Epithelial alarmin levels in exhaled breath condensate in patients with idiopathic pulmonary fibrosis

Sebastian Majewski (Stryków, Poland), Damian Tworek, Karolina Szewczyk, Zofia Kurmanowska, Adam Antczak, Paweł Górski, Wojciech Piotrowski

Looking for airways periostin in patients with interstitial lung diseases.

Giulia Scioscia (Lucera (FG), Italy), Donato Lacedonia, Piera Soccio, Filena Simone, Incoronata Caccavo, Roberto Sabato, Ernesto Giuffreda, Giovanna Elisiana Carpagnano, Maria Pia Foschino Barbaro

Ca 19-9 serum levels in patients with end-stage Idiopathic Pulmonary Fibrosis (IPF)

Elisabetta Balestro (Padova (PD), Italy), Elisabetta Coconcelli, Davide Biondini, Federico Fracasso, Gioele Castelli, Giuseppe Marulli, Federico Rea, Manuel G. Cosio, Marina Sietta, Paolo Spagnolo

In vivo optical imaging for low-risk microscopic diagnosis of IPF

Lida Hariiri (Boston, United States of America), Ashok Muniappan, Colleen Keyes, John Wain, Michael Lanuti, Christopher Morse, Henning Gaissert, Hugh Auchincloss, David Adams, Margit Szabari, Amita Sharma, Thomas Colby, Mari Mino-Kenudson, Eugene Mark, Richard Kradin, Hamid Pahlevaninezhad, Hannah Goulart, Lloyd Liang, Andrew Tager, Melissa Suter

Exhaled breath condensate - a new tool for assessment of idiopathic pulmonary fibrosis?

Natalia Przysucha (Warsaw, Poland), Katarzyna Gorska, Magdalena Paplinska, Patrycja Nejman-Gryz, Magdalena Proboszcz, Rafał Krenke

A prospective evaluation of lung ultrasonography in patients with fibrotic interstitial lung diseases; preliminary results.

Georgios Pitsidianakis (Heraklion (Crete), Greece), Maria Bolaki, Eirini Vasarmidi, Konstantinos Karagiannis, Katerina Anotniou, Nikolaos Tzanakis

Roles of transthoracic lung ultrasonography in diagnosis of interstitial lung disease: correlation with HRCT, vital capacity, diffusing of the lung for monoxide test

Milena Adina Man (Cluj-Napoca (Cluj), Romania), Adriana Parau, Alina Ruscovan, Monica Pop, Ruxandra Rajnoveanu, Bianca Domokos Hancu

Does delay in review of newly-diagnosed idiopathic pulmonary fibrosis (IPF) worsen outcomes?

Hon Lin Wu (Preston (Lancashire), United Kingdom), James Wingfield-Digby, Timothy Gatheral

Correlation between HRTC appearance and histopathological features in the diagnosis of interstitial lung diseases

Francesco Guerrero, Giulia Verri, Paraskevas Lyberis, Paolo Solidoro, Lorena Mercante, Marco Michele Bardessono, Matteo Roffinella, Enrico Ruffini, Pier Luigi Filosso, Caterina Bucca, Alberto Oliaro

12:50 - 14:40

Thematic poster: Sleep-disordered breathing: biomarkers and genetics and the role of hypoxia, insomnia, movement disorders and sleep quality**Disease(s) :** Sleep and breathing disorders Respiratory critical care**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology Physiology Respiratory intensive care**Chairs :** Swapna Mandal (London, United Kingdom), Petar Chipev (Sofia, Bulgaria), Thomas Penzel (Berlin, Germany), Chair to be confirmed**Interleukin-10 affects the control of breathing.**

Charoula Eleni Giannakopoulou (Athens, Greece), Adamantia Sotiriou, Maria Dettoraki, Michael Yang, Fotis Perlikos, Dimitrios Toumpanakis, Georgios Prezerakos, Ioannis Koutsourelakis, Georgios Kastis, Vyrionia Vassilakopoulou, Eleftheria Mizi, John J Greer, Theodoros Vassilakopoulos

Chronic Intermittent Hypoxia effects are not mediated by guinea pig carotid body sensitization

Angela Gomez-Niño (Valladolid, Spain), Inmaculada Docio, Elena Olea, Jesus Prieto-Lloret, Ana Obeso, Asuncion Rocher

The role of inflammatory biomarkers in obstructive sleep apnea syndrome

Süreyya Yilmaz (Diyarbakir, Turkey), Hadice Selimoglu Sen, Mahsuk Taylan, Melike Demir, Fusun Topcu, Abdurrahman Senyigit, Gokhan Kirbas

Oxydative stress in obstructive sleep apnea: Value of fractional exhaled nitric oxide measurement

Samira Aouadi (Ariana, Tunisia), Selma Mkaddem, Khadija Ayed, Imen Sahnoun, Sonia Maalej, Saloua Jameleddine, Leila Douik-Elgharbi

Exhaled Breath Analysis for the Diagnosis of Obstructive Sleep Apnea

Timon M. Fabius (Enschede, Netherlands), Rianne De Vries, Marjolein Brusse-Keizer, Michiel M. M. Eijsvogel, Frans H. C. De Jongh

Urinary biomarkers for obstructive sleep apnea syndrome: Lipocalin type prostaglandin-D synthase and F2-isoprostane

Murat Türk (Soest, Netherlands), Ouz Köktürk, Zeynep Ikdönmez, Canan Demirtaş

The role of P-selectin glycoprotein ligand-1 (PSGL-1) in the pathogenesis of obstructive sleep apnea

Péter Horváth (Budapest, Hungary), Zsófia Lázár, Martina Mészáros, Gabriella Gálffy, Rita Puskás, György Losonczy, László Kunos, András Bikov

Peripheral blood lymphocyte repertoire in non-obese patients with Obstructive Sleep Apnea.

Agata Raniszewska (Warszawa, Poland), Malgorzata Barnas, Piotr Bielicki, Iwona Kwiecien, Tomasz Skirecki, Aneta Wernicka, Maciej Wyzgal, Joanna Domagala-Kulawik

The frequency of monocyte chemoattractant protein-1 gene polymorphism in obstructive sleep apnea syndrome

Burak Kerget (Erzurum, Turkey), Ömer Araz, Elif Yılmaz, Metin Akgün

Apolipoprotein E polymorphisms and incident arterial hypertension in obstructive sleep apnea patients: A prospective cohort study

Ana Cerezo Hernández (Valladolid, Spain), Tomás Ruíz Albi, María Jesús Alonso Ramos, Andrea Crespo Sedano, Daniel Álvarez González, Julio Fernández De Frutos Arribas, Carmen Ainhoa Arroyo Domingo, Félix Del Campo Matías

The effect of chronic-intermittent-hypoxia on 5-HT1A receptors and GIRK-2 in dorsal raphe nucleus of rats

Ying Zou (Shenyang, China), Wei Wang, Wenyang Li, Hongyu Jin

Study of cognitive impairment in subjects with obstructive sleep apnoea using Addenbrooke's Cognitive examination(ACE-R)

Kimberly D'Souza (Bangalore, India), Priya Ramachandran, Uma Devaraj, Uma Maheshwari K

Efficacy and safety of single-use suvorexant for insomnia during in-laboratory polysomnography in patients with obstructive sleep apnea: A feasibility study

Takuma Matsumura (Chiba, Japan), Jiro Terada, Taku Kinoshita, Yoriko Sakurai, Misuzu Yahaba, Seiichiro Sakao, Chikara Yoshimura, Koichiro Tatsumi

Periodic Leg Movements are Associated With Cardiovascular Disease and Severity of Obstructive Sleep Apnea Syndrome

Halil Ibrahim Yakar (Istanbul, Turkey), Sebahat Al r Ecdar, Erkan Ceylan, Asiye Kanbay

Effect of nighttime earplugs and eye mask on sleep quality in medical intensive care unit patients

Pureepat Arttaweikul (Bangkok, Thailand), Naricha Chirakalwasan

Sleep quality, under-recognition and underreporting of sleep disturbance among HIV patients attending tertiary hospital in Ilorin, Nigeria

Adeniyi Olatunji Aladesanmi (Ilorin, Nigeria), Olufemi Desalu, Adeniyi Aladesanmi, Olutobi Ojuawo, Christopher Opeyemi, Obianuju Ozoh, John Olarinoye, Taofeek Oloyede, Emmanuel Sanya, Alakija Salami

12:50 - 14:40

Thematic poster: Clinical management of pleural malignancies, including mesothelioma**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Imaging Epidemiology Cell and molecular biology Surgery**Chairs :** Kevin Blyth (Glasgow (Glasgow), United Kingdom), Florin Rusu-Cordunean (Iasi, Romania), Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa)**Single-center prospective study on clinical evolution of non-specific pleuritis**

Federico Mei (Ancona (AN), Italy), Martina Bonifazi, Lina Zuccatosta, Francesca Barbisan, Michele Sediari, Stefano Gasparini

The clinical benefits of immune checkpoint inhibitors for thymic carcinomas

Naohiro Uchida (kyoto, Japan), Kohei Fujita, Osamu Kanai, Msisato Okamura, Koichi Nakatani, Tadashi Mio

The Role of PET-CT in differential diagnosis of malignant-paramalignant pleural effusion

Elif Torun Parmaksiz (Istanbul, Turkey), BüLent Akkurt, Co Kun Do An, Seda Beyhan Sa Men, Nesrin K Ral, Sevda CöMert, Ali Fidan, Saadet Akku

Determinants of survival in patients with malignant pleural mesothelioma (MPM) managed at a single institution in Liguria, Italy

Annamaria Carletti (Sarzan (SP), Italy), Lucia Benfatto, Vanna Balestracci, Pier Aldo Canessa

Predictors of pleurodesis success

Rachel Mercer (Guildford (Surrey), United Kingdom), Nicole Speck, Hannah Jeffries, Jessica Macready, Nikolaos Kanellakis, Nick Maskell, Justin Pepperell, Tarek Saba, Alex West, Nabeel Ali, Robert Miller, John Corcoran, Rachelle Asciak, Maged Hassan, Robert Hallifax, Ioannis Psallidas, Najib Rahman

The patient perspective of treatment for Malignant Pleural Effusion (MPE)- results of a pilot service -evaluation questionnaire.

Jack Seymour (Wallingford (Oxfordshire), United Kingdom), Ioannis Psallidas, Melissa Dobson, Najib Rahman

ANALYSIS OF INITIAL NON-CONCLUSIVE THORACOSCOPIES WITH A DIAGNOSIS OF MALIGNANCY OBTAINED DURING LONG-TERM FOLLOW-UP OF RECURRENT EXUDATIVE PLEURAL EFFUSIONS

Beatriz Romero Romero (Sevilla, Spain), Luis Alejandro Padron Fraysse, Beatriz Romero Romero, Francisco Rodriguez Panadero, Jose Martin Juan

Clinical and histological analysis of malignant mesothelioma - a comprehensive state-wide study

Rainer G. Wiewrodt (Münster, Germany), Nicola Pferdmeiges, Volker Krieg, Arik Bernard Schulze, Hiltraud Kajuter, Georg Evers, Michael Mohr, Lars Henning Schmidt, Hans-Werner Hense, Oliver Heiding

Iodopovidone pleurodesis, diferent techniques, excellent efficacy in malignant pleural effusion.. Tanta University experience

Ragia Samir Sharshar (Tanta, Egypt)

Is there a need for Video-assisted Thoracoscopic surgical (VATS) pleural biopsy following a Medical Thoracoscopy (MT)?

Mohamed Akram Abdulla (Sheffield (South Yorkshire), United Kingdom), John Hadfield, Thida Aung, Ayman El-Nayal

US guided true cut needle biopsy in patients with malignant mesothelioma

Rosen Petkov (Sofia, Bulgaria), Teodora Mihalova, Yordanka Yamakova, Georgi Yankov

Relationship between baseline metabolic 18F-FDG parameters and survival in malignant pleural mesothelioma: A single centre experience

Yusuf Kahya (Ankara, Turkey), Çi dem Soydaş, Mustafa Bülent Yenigün, Elgin Özkan, Nihal Ata Tutkun, Serkan Enön, Nuriye Özlem Küçük, Ayten Kay Cangır

A comparison of outcomes from a regional Mesothelioma MDT against the National Lung Cancer Audit (NLCA) Mesothelioma standards

Maryam Ahmed (Wolverhampton (West Midlands), United Kingdom), Judith Lyons, Susan Jackson, Anna Sharman, Mairead Dixon, Paul Taylor, Jayne Holme, Matthew Evison

Survival of patients with malignant pleural effusions: a three-year prospective self-experience study

Filip Shterev (Plovdiv, Bulgaria), Ivan Novakov, Filip Sterev

Assessing breathlessness following pleural fluid drainage using the Visual Analogue Scale for Dyspnoea (VASD) over 1 week (7-DVQ)

Radhika Banka (Mumbai (Maharashtra), India), Eleanor Mishra

EBUS-TBNA for the diagnosis of intrathoracic lymphadenopathy in patients with previously diagnosed breast carcinoma

Nevenka Piska Živković (Zagreb, Croatia), Anja Ljilja, Nina Petra Novak, Neven Tudori

Evaluation of chemotherapy response determined by volumetric method in malignant pleural mesothelioma and its effect on determination to survival

Muzaffer Metinta (Eskişehir, Turkey), Furkan Urfalı, Selma Metintas, Atila Gorgen, Güntülü Ak, Ragip Ozkan

Chemical Pleurodesis with Iodopovidone: Exploring its utility in the context of lack of Thoracoscopy

Deebye Raj Mishra (Dharan, Nepal), Niharika Shah, Narendra Bhatta, Puru Koirala

Cisplatin/pemetrexed chemotherapy versus palliative care survival in malignant pleural mesothelioma

Ivan Škopljanač (Kaštel Stari, Croatia), Ivana Segrt, Kornelija Mise

Effects of cisplatin and pemetrexed on 3D phenotypes of benign mesothelial and malignant pleural mesothelioma cells

Eleftherios Papazoglou (Larissa, Greece), Rajesh Jagirdar, Eleanna Pitaraki, Ourania Kotsiou, Chrissi Hatzoglou, Konstantinos Gourgoulisanis, Sotirios Zarogiannis

12:50 - 14:40

Thematic poster: Diagnosis, prognostication and treatment of pulmonary embolism**Disease(s) :** Pulmonary vascular diseases Respiratory critical care Airway diseases**Method(s) :** General respiratory patient care Respiratory intensive care Imaging Epidemiology**Chairs :** Olivier Sanchez (Paris, France), David Jiménez Castro (Madrid, Spain), Chair to be confirmed**Multiorgan ultrasonography for the diagnosis of pulmonary embolism**

Rosen Petkov (Sofia, Bulgaria), Nedelina Kurtelova, Yordanka Yamakova, Evgeni Mekov

Non-Contrast Chest CT Scans In Detection Of Pulmonary Thromboembolism

Lamia Shaaban (Assiut, Egypt), Moustafa H M Othman, Hazem Abozaid, Nefisa D Mohamed

Can age-adjusted D-dimer be used to decrease the CTPA burden in a general hospital?

Kyra Bartolo (Attard, Malta), Christine Cannataci, Christopher Zammit, Joelle Azzopardi, Julian Cassar, Paula Grech, Gabriel Borg, Brendan Caruana Montaldo

High « red cell distribution width » levels can predict pulmonary embolism risk in multiple trauma patients: a case control study.

Syrine Chouchane (Sousse, Tunisia), Mohamed Kahloul, Chawki Jebali, Marwa Chaabani, Sana Aissa, Mohamed Aymen Jaouadi, Habiba Ben Hamada, Mohamed Said Nakhli, Walid Najja

The value of on-admission serum Sodium level on 30-day outcome in acute pulmonary embolism

elnaz firoozehi (tehran, Islamic Republic of Iran), Neda Faraji, Hamidreza Abtahi, Soheil Peiman

Pulmonary Embolism: central vs. peripheral - different presentations and different outcomes?

Filipa De Castro Lima (Póvoa de Varzim, Portugal), Nuno China Pereira, Carla Ribeiro, Eloisa Silva, Manuela Vanzeller, Teresa Shiang

Rivaroxaban versus low-molecular-weight heparin for venous thromboembolism in gastrointestinal and pancreatobiliary cancer

Jang ho Lee (Seoul, Republic of Korea), Jae Seung Lee

Use and results of fibrinolysis in pulmonary embolism. Experience in a tertiary hospital.

Ana Torrents Vilar (Valencia, Spain), Alberto Garcia Ortega, Marcos Prado Barragan, Raquel Lopez Reyes

Half-dose thrombolysis for intermediate-high risk pulmonary embolism: Case-series from a London hospital

Rishi Gupta (Liverpool (Merseyside), United Kingdom), Keir Philip, Tim Harris

Factors affecting recurrence and bleeding complications in patients with venous thromboembolism

Yasemin Ates (Istanbul, Turkey), Züleyha Bingöl, Gülfer Okumu, Orhan Arseven

Recurrence and bleeding in the extended treatment of patients with pulmonary embolism (PE) and cancer

Letizia Marconi (Pisa (PI), Italy), Valentina Foci, Marco Lazzeretti, Antonio Palla

Massive and sub-massive pulmonary embolism (PE) long-term follow up data: Is there a need for dedicated PE clinics?

Abdullah Abbasi (Stoke on trent, United Kingdom), Muhammad Ganaie, Sannaan Irshad, Syeda Adil, Mohammed Haris, Muhammad Iqbal

Epidemiology of Pediatric Pulmonary Embolism in Slovenia, 2006-2016.

Paola Pascolo (Trieste (TS), Italy), Nika Morgan, Marina Praprotnik, Barbara Faganel Kotnik, Matija Kozak, Bojana Pinter, Uros Krivec

Clinical characteristics and outcome of patients with Behçet's Disease and thrombosis

Serhat Erol (Ankara, Turkey), Hasan Hasanzade, Fatma Ciftci, Ahmet Onur Dastan, Aydin Ciledag, Banu Eris Gulbay, Akin Kaya, Gokhan Celik, Turan Acican

Hughes-Stovin syndrome, a rare cause of thrombosis and pulmonary artery aneurysm: a case report

Selma Yalçın (Ankara, Turkey), Emine Bahar Kurt, Cem Iler, Kerem Ensario lu

Pulmonary onset and complications of intravenous drug users infective endocarditis

Alex A. Demin (Novosibirsk, Russian Federation), Vera Drobysheva

12:50 - 14:40

Thematic poster: Tuberculosis comorbidities**Disease(s) :** Respiratory infections Airway diseases Thoracic oncology**Method(s) :** Imaging Epidemiology General respiratory patient care Public health Endoscopy and interventional pulmonology Physiology**Chairs :** Ana Ciobanu (Chisinau, Republic of Moldova), Cécile Magis-Escurra (Nijmegen, Netherlands), Ana Castro (Madail - Oliveira de Azemeis, Portugal), Chair to be confirmed**Immunodiagnosics of tuberculosis at the advanced stage of HIV-infection**

Artem Dudchenko (Zelenograd, Russian Federation), Mikhail Averbakh, Natalia Karpina, Atajan Ergeshov

Results of TB prophylactics and early detection in HIV-positive people in Moscow, Russia

Evgeny Belilovskiy (Moscow, Russian Federation), Elena Bogorodskaya, Michael Sinitsyn, Sergey Borisov, Ludmila Ausheeva

To determine the occurrence and natural fate of Immune reconstitution inflammatory syndrome (IRIS) in Human immunodeficiency virus (HIV) negative patients of extra pulmonary tuberculosis (EPTB)

Darshan Kumar Bajaj (LUCKNOW (UTTAR PRADESH), India), Abhishek Dubey, Surya Kant, Jyoti Bajpayi, Mona Asnani

Totally implantable central venous access device in the treatment of patients with multi- and extensively drug-resistant tuberculosis co-infected with human immunodeficiency virus and with history of illicit drug use.

Aliaksandr Skrahin (Minsk, Belarus), Mikalai Makouski, Dmitry Pechinsky, Kiril Dobysh, Hanna Hlushanina, Animesh Sinha, Alena Skrahina

Results of treatment of patients with pulmonary tuberculosis combined with HIV infection and hepatitis

Tatiana Ivanovna Morozova (Saratov (Saratov Oblast), Russian Federation), Tatiana Salina

Evaluation of Intensified case finding strategy under TB-HIV collaboration framework in Chandigarh, India.

Jitendra Kumar Meena (Udaipur (Rajasthan), India), Pallavi Kaushal, Swati Gautam

Tuberculosis treatment outcomes in HIV co-infected patients in Novokuznetsk, Russian Federation

Vera Nikolaevna Zimina (Moscow, Russian Federation), Irina Viktorova, Alexey Kravtchenko, Arkadiy Khanin

Impact of diabetes mellitus on MDR-TB outcome

Lesnic Evelina (Chisinau, Republic of Moldova), Alina Malic, Adriana Niguleanu, Veronica Maximovici

Impact of diabetes mellitus on pulmonary tuberculosis clinical presentation and treatment outcomes

Belma Paraliija (Sarajevo, Bosnia and Herzegovina), Aida Mujakovic

The impact of diabetes mellitus(DM) on adverse events related to tuberculosis(TB) chemotherapy(ATT): Retrospective cohort study at the National Hospital of Respiratory Diseases, Sri Lanka

Amila Rathnapala (Minuwangoda, Sri Lanka), Damith Rodrigo, Dhanusha Punyadasa, Wijitha Senaratne

The impact of diabetes and pre diabetes on the sputum smear conversion in tuberculosis: Retrospective cohort study at the National Hospital of Respiratory Diseases, Sri Lanka

Amila Rathnapala (Minuwangoda, Sri Lanka), Damith Rodrigo, Wijitha Senaratne, Dhanusha Punyadasa

Cytomegalovirus infection in patients with lung tuberculosis

Alexey Shibanov (Moscow, Russian Federation), Vladimir Stakhanov, Natalia Karazhas

Association lung function disorders and the respiratory muscles strength in patients with tuberculosis (TB) and COPD

Larisa Kiryukhina (St. Petersburg, Russian Federation), Vera Sysoeva, Nina Denisova, Natalia Nefedova, Liudmila Archakova, Piotr Yablonskii

Matrix Metalloproteinases (MMPs) in patients with pulmonary tuberculosis (PT) and comorbid COPD

Diljara Esmedlyaeva (St. Petersburg, Russian Federation), Larisa Kiryukhina, Marina Dyakova

Adenosine deaminase in the COPD pathogenesis in patients with pulmonary tuberculosis

Larisa Kiryukhina (St. Petersburg, Russian Federation), Marina Dyakova, Diljara Esmedlyaeva

Active tuberculosis and lung cancer: a 6-year retrospective study

Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Miguel Afonso, Filipa Ferro, Ana Cysneiros, Teresa Mourato, Alexandre C Gomes, Conceição Gomes, Ana Tavares E Castro

Lung cancer and TB incidence evolution in Portugal

Margarida Souto Vargas-Castanho (Lisboa, Portugal), Sara Cerqueira, Marta Sousa, Marta Gomes, Rita Gaio, Raquel Duarte

Diagnosis of chronic pulmonary aspergillosis (CPA) complicating pulmonary tuberculosis by chest X-ray

Iain Page (Manchester (Greater Manchester), United Kingdom), Rosemary Byanyima, Sharath Hosmane, Nathan Onyachi, Cyprian Opira, John Opwonya, Malcolm Richardson, Richard Sawyer, Anna Sharman, David Denning

Diabetes, body mass index, and risk of active tuberculosis

Avril Soh (Singapore, Singapore), Cynthia Chee, Yee-Tang Wang, Woon-Puay Koh

Tuberculosis in the very elderly – clinical presentation and treatment outcomes

Miguel Frederico Baia Afonso (Oeiras, Portugal), Filipa Ferro, Joana Carvalho, Ana Cysneiros, Ana Tavares E Castro, Teresa Mourato, Alexandre C Gomes, Conceição Gomes

12:50 - 14:40

Thematic poster: Predicting the future: biomarkers of respiratory infection**Disease(s) :** Airway diseases Respiratory infections Respiratory critical care**Method(s) :** General respiratory patient care Cell and molecular biology Respiratory intensive care Public health**Chairs :** David Connell (London, United Kingdom), Rosario Menendez Villanueva (Valencia, Spain), Sebastian Ott (Bern, Switzerland), Oriol Sibila (Barcelona, Spain)**Pepsin as a biomarker of reflux in NAR patients**

Rhianna Lenham (Kingston Upon Hull, United Kingdom), Rhianna Lenham, Qiuping Wang, Xiu Wang, Peter Dettmar

Vitamin D and Bronchiectasis Severity Index (BSI): A correlation

Sebastian Ferri (Catania (CT), Italy), Enrico Heffler, Raffaele Campisi, Carlo Chessari, Claudia Crimi, Nunzio Crimi

Interleukin-6 levels as an evolution marker of late mortality and cardiovascular events after an episode of community-acquired pneumonia.

Sergio Luquero Bueno (Madrid, Spain), José María Galván-Román, Jose Curbelo, Mara Ortega-Gómez, Ángel Lanchón-Sánchez, Lorena Vega-Piris, Manuel Gómez, Hortensia De La Fuente, Carmen Suárez, L. Jesús Jiménez-Borreguero, Javier Aspa Marco

Soluble urokinase plasminogen activator receptor (suPAR) for the prediction of ventilator-associated pneumonia (VAP)

Pouline M.P. van Oort (Amsterdam, Netherlands), Lieuwe D. Bos, Pedro Pova, Paula Ramirez, Antonio Torres, Antonio Artigas, Marcus J. Schultz, Ignacio Martin-Loeches

Serum ferritin as a prognostic marker of pneumonia: a prospective, single center study

Ji Hye Kim (Daejeon, Republic of Korea), Dae Sung Kim, In-Beom Jeong, Ji-Woong Son, Mun-Jun Na, Sun-Joong Kwon

Relationship between Neutrophilic Airway Inflammation and Airway Colonisation in non-Cystic Fibrosis Bronchiectasis

Federico Lorenzo Dente (Pisa (PI), Italy), Roberta Del Cesta, Maria Laura Bartoli, Matteo Bradicich, Marta Daniele, Maria Adelaide Roggi, Barbara Vagaggini, Pierluigi Paggiaro

C-reactive protein (C-RP) in patients with chronic heart failure (CHF) and community-acquired pneumonia (CAP): usefulness to guide antibiotic prescription

Andrey Bobylev (Smolensk, Russian Federation), Svetlana Rachina, Sergey Avdeev, Sergey Rachin, Daria Smirnova

LYMPHOPENIA AS PREDICTOR OF LONG TERM MORTALITY IN PATIENTS WITH HOSPITAL ACQUIRED PNEUMONIA

Adrian Ceccato (Ituzaingo (Prov. De Buenos Aires), Argentina), Meropi Panagiotarakou, Marta Martin-Fernandez, Raquel Almansa Mora, Otavio Ranzani, Catia Cilloniz, Gianluigi Li Bassi, Adamantia Liapikou, Miquel Ferrer, Jesus Bermejo- Martin, Antoni Torres

Serum Albumin-Globulin ratio reversal predicts morbidity in patients hospitalized for Influenza A(H1N1) infection.

Karthikeyan Ramaraju (Mumbai (Maharashtra), India), Anupama K Murthy, Nithilavalli Balasubramaniam, Vinoth Kumar Leon

Usefulness of the measurement of plasma neutrophil gelatinase-associated lipocalin as a biomarker for predicting prognosis in hospitalized patients with pneumonia

Sang-Heon Kim (Seoul, Republic of Korea), Ji-Hee Min, Tai Sun Park, Dong Won Park, Ji-Yong Moon, Tae Hyung Kim, Jang Won Sohn, Ho Joo Yoon

The extent of microbiological testing and antibiotic de-escalation in adults with community-acquired pneumonia: a retrospective cohort study.

Esther Wittermans (Nieuwegein, Netherlands), Stefan M T Vestjens, Willem Jan W Bos, Jan C Grutters, Ewoudt M W Van De Garde, Bart J M Vlamincx

MCC-IMS Spectral Analyses of Volatile Markers for Screening of Clinically Relevant Bacterial Infection

Gunther Becher (Bernau, Germany), Roman Purkhart, Romy Gerber, Werner Schueler, Rolf Graupner

The association between phagocytes in Gram-stained sputum and detection of causative organisms

Koko Shibutani (Tokyo, Japan), Ryosuke Tsugitomi, Ryosuke Imai, Hiroaki Kanemura, Kenji Ishii, Kohei Okafuji, Atsushi Kitamura, Eri Hoshino, Hiroshi Ono, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura

Thrombotic disorders (blood coagulation test and Padua Prediction Score for risk of lung thrombosis) in hospitalized patients with community-acquired pneumonia (CAP)

Mariia Krykhtina (Dnepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Katerina Dyagovets

Is it connection between systemic inflammation and risk of thrombotic disorders (by Padua scale) in hospitalized patients with community-acquired pneumonia (CAP)?

Mariia Krykhtina (Dnepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva

Evaluation of clinical and operational outcomes of a Point of Care Test for patients with suspected influenza in an acute medical unit.

Mahin Ahmad (Heswall, United Kingdom), Anuradha Jayachandran

The Neutrophil-lymphocyte ratio in patients with community-acquired pneumonia

taboubi amir (beja, Tunisia), Toujani Sonia, Ben Khaled Safa, Slim Azza, Hedhli Abir, Cheikhrouhou Sana, Ouahchi Yacine, Mjid Meriem, Merai Samira

Is Neutrophil-lymphocyte ratio useful for differential diagnosis between pulmonary tuberculosis and bacterial community-acquired pneumonia.

Meriem Mjid (Tunis, Tunisia), Amir Taboubi, Abir Hedhli, Sonia Toujani, Safa Ben Khaled, Azza Slim, Sana Cheikh Rouhou, Yacine Ouahchi, Samira Merai

Procalcitonin has wider applicability in community-acquired pneumonia than other biomarkers

William Ward Siljan (Oslo, Norway), Jan C Holter, Annika E Michelsen, Ståle H Nymo, Jon Norseth, Einar Husebye, Trine Lauritzen, Thor Ueland, Tom E Mollnes, Pål Aukrust, Lars Heggelund

IgG3 subclass deficiency as a predictive marker of mortality in patients admitted to ICU

Ji Hye Kim (Daejeon, Republic of Korea), Dae Sung Kim, In-Beom Jeong, Ji-Woong Son, Mun-Jun Na, Sun-Joong Kwon

12:50 - 14:40

Thematic poster: Clinical aspects of pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Imaging Public health Respiratory intensive care Physiology Cell and molecular biology Surgery

Chairs : Laurent Savale (Le Kremlin-Bicêtre, France), Frédéric Lador (Genève 14, Switzerland), Irene Lang (Wien, Austria)

Identifying chronic thromboembolic pulmonary hypertension (CTEPH) through French national hospital database (PMSI)

Vincent Cottin (Lyon, France), Simon Teal, Daphné Avot, Laurie Lévy-Bachelot, Carl Baxter, Aurore Palmero, Laura Catella, Stève Bénard, Olivier Sitbon

Clinical characteristics and prognosis in patients with chronic thromboembolic pulmonary hypertension and a psychiatric disorder

Hiroshi Tajima (Chiba, Japan), Hajime Kasai, Hideki Miwa, Akira Naitou, Toshihiko Sugiura, Seiichiro Sakao, Nobuhiro Tanabe, Koichiro Tatsumi

Prevalence of chronic thromboembolic pulmonary hypertension (CTEPH) in patients after pulmonary embolism

Valentina Dimitrova (Varna, Bulgaria), Diana Petkova, Velin Stratev, Tanya Dobрева

Good outcomes following elective lower limb orthopaedic surgery in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension

Mikaela Ming (Sheffield, United Kingdom), Amanda Nair, Sarah Saunders, Robin Condliffe, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Robert Lewis, Iain Armstrong, Paul Sephton, Neil Hamilton, Robert Kerry, David Kiely

Anomalous pulmonary venous drainage (APVD) in patients with suspected pulmonary hypertension (PH)

Robert Lewis (Sheffield (South Yorkshire), United Kingdom), Catherine Billings, Christopher Johns, Judith Hurdman, Neil Hamilton, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Jim Wild, Andrew Swift, David Kiely, Robin Condliffe

Survival in portopulmonary hypertension (PoPH) in the era of modern PAH-targeted therapy

Laurent Savale (Le Kremlin-Bicêtre, France), Nathan Ebstein, Mitja Jevnikar, Xavier Jaïs, Florence Parent, Athenais Boucly, Gerald Simonneau, David Montani, Marc Humbert, Olivier Sitbon

Real world data from hospital episode statistics can be used to determine patients at risk of idiopathic pulmonary arterial hypertension

David Kiely (Sheffield (South Yorkshire), United Kingdom), Allan Lawrie, Orla Doyle, Valentina Salvatelli, Flora Daniels, Edmund Drage, Harvey Jenner, John Rigg, Claude Schmitt, Yevgeniy Samyshkin, Rito Bergemann

Possible pathophysiological role of vitamin D deficit in pulmonary arterial hypertension

Maria Callejo (Madrid, Spain), Daniel Morales-Cano, Gema Mondejar-Parreño, Bianca Barreira, Sergio Esquivel-Ruiz, Laura Moreno, Pilar Escribano, Isabel Blanco, Joan Albert Barberà, Angel Cogolludo, Francisco Perez-Vizcaino

PEGASUS - the effects of commercial air travel on patients suffering from pulmonary hypertension - a prospective, multicenter, multinational study

Henning Gall (Gießen, Germany), Lukas Becker, Jan Grimminger, Manuel Jonas Richter, Natascha Sommer, Khodr Tello, Werner Seeger, Hans Klose, Silvia Ulrich, Michael Halank, Christian Opitz, Ekkehard Gruenig, Ardeschir Ghofrani

Assessing the financial impact of pulmonary hypertension: a survey by the UK Pulmonary Hypertension Association (PHA-UK)

Iain Armstrong (Sheffield (South Yorkshire), United Kingdom), Catherine Billings, Shaun Clayton, Janelle Yorke, Carl Harries, David Kiely

The phenotype of the Adult Mexican Patient with Pulmonary Arterial Hypertension: Baseline characteristics of the REMEHIP Registry. The REMEHIP Investigators.

Julio Sandoval Zárate (México D.F, Mexico), Tomás Pulido Zamudio, Carlos Jerjes Sanchez Z Diaz, Alicia Ramirez, Miguel Beltran, Mario Seoane, Juan Francisco Moreno, Pedro Gutiérrez-Fajardo, Jose Javier Elizalde, Guillermo Cueto, Humberto García, Rodolfo Parra

Ventricular mass index predicts mortality in incident patients with PAH

Catherine Simpson (Baltimore, United States of America), Rachel Damico, Stephen C. Mathai, Todd Kolb, Rubina Khair, Stefan Zimmerman, Paul M. Hassoun

Cancer incidence in incident patients with precapillary pulmonary hypertension.

Elodie Bravos (Vienne, France), Vincent Cottin, Claire Dauphin, Hélène Bouvaist, Julie Traclet, Romain Trésorier, Souad Bezzeghoud, Kaïs Ahmad, Sandrine Accassat, Elodie De Magalhaes, Jean-François Mornex, Christophe Pison, Laurent Bertoletti

Determinants and prognostic value of kidney disease in pulmonary arterial hypertension

Vincent Cottin (Lyon, France), Laurent Bitker, Florence Sens, Cecile Payet, SéGolène Turkiquer, Julie Traclet, Kais Ahmad, Sabrina Zeghmar, Jean-François Mornex, Antoine Duclos, Laurent Juillard

Pulmonary Hypertension in Hemodialysis Patients

Mohamed Abdelghany (Assiut, Egypt), Ahmad Bahei, Walaa Hosny

Critical care admissions in patients with pulmonary arterial hypertension.

Laura Price (London, United Kingdom), Colm McCabe, Sophie Herbert, Te Aw, David Alexander, Susanna Price, Stephan Ledot, Aleksander Kempny, Carl Harries, John Wort, Konstantinos Dimopoulos

EARLIER: End tidal carbon dioxide for earlier detection of pulmonary hypertension

Henning Gall (Gießen, Germany), Sophie Herbst, Manuel Richter, Natascha Sommer, Khodr Tello, Werner Seeger, Ardeschir Ghofrani

Capillaroscopic findings in patients with pulmonary arterial hypertension

Liliana Bonola (Ciudad de México, Mexico), Julio Sandoval, Tomás Pulido, Nayeli Zayas

Cirrhose cardiaque in pulmonary hypertension- a case series.

Marianne Lerche (Leipzig, Germany), Armin Frille, Hubert Wirtz, Johannes Wiegand, Volker Keim, Thomas Karlas, Sophie Tegelkamp, Hans- Jürgen Seyfarth

Epidemiological and Clinical aspects of pulmonary arterial hypertension (PAH)

Rachida Yahiaoui (Alger, Algeria), Zakia Bennoui, Djenette Hakem, Rabah Amrane, Rafika Boughrarou

12:50 - 14:40

Thematic poster: Mechanisms of respiratory infection

Disease(s) : Respiratory infections Respiratory critical care

Method(s) : Cell and molecular biology Respiratory intensive care General respiratory patient care Endoscopy and interventional pulmonology Physiology Epidemiology

Chairs : Charles Dela Cruz (New Haven, United States of America), Mustapha Si-Tahar (Tours, France), Jessica Rademacher (Hannover, Germany), Chair to be confirmed

Three-dimensional lung epithelial cells potentiate aminoglycoside efficacy by enhancing intracellular pH in *Pseudomonas aeruginosa*

Aurélien Crabbé (Ghent, Belgium), Lisa Ostyn, Charlotte Rigauts, Heleen Van Acker, Martijn Risseuw, Serge Van Calenbergh, Tom Coenye

Characterization of murine model of chronic *M. abscessus* respiratory infection.

Camilla Riva (Milano (MI), Italy), Floriana Gona, Cristina Cigana, Marco Rossi, Antonio Esposito, Tamara Canu, Anna Colarieti, Alessandra Bragonzi, Enrico Tortoli, Daniela Maria Cirillo

Dysregulation of lipid mediators in clinically stable bronchiectasis

Pallavi Bedi (Edinburgh (Scotland), United Kingdom), Donald Davidson, Brian Mchugh, Adriano Rossi, Adam Hill

Suppressor of cytokine signalling 1 (SOCS1) and asthma exacerbations

Kate Strong (London, United Kingdom), Jie Zhu, David Jackson, Jaideep Dhariwal, Maria-Belen Trujillo-Torralbo, Sebastian Johnston, Michael Edwards

The impact of testosterone on *Pseudomonas aeruginosa* pathogenicity and antimicrobial susceptibility

Celine Vidallac (Singapore, Singapore), Valerie Yong Lee, Tavleen Kaur Jaggi, Dan Roizman, Jagadish Sankaran, Thorsten Wohland, Liang Yang, Sanjay Haresh Chotirmall

Inhaled phage therapy for the treatment of acute *Pseudomonas aeruginosa* lung infections

Elsa Bodier-Montagutelli (Tours Cedex, France), Jeoffrey Pardessus, Emilie Dalloneau, Cindy Fevre, Guillaume L'Hostis, Eric Morello, Jérôme Gabard, Sandrine Le Guellec, Renaud Respaud, Laurent Vecellio, Nathalie Heuzé-Vourc'H

***Pseudomonas aeruginosa* modulates the pulmonary immune response by affecting the IL17 / IL22 axis**

Reem GHINNAGOW (Paris, France), Saadé Kheir, Bérengère Villeret, Nicolas Serafini, Ignacio Garcia-Verdugo, Jean Michel Sallenave

Trivalent Influenza Vaccine Responses in COPD

Karl J. Staples (Southampton (Hampshire), United Kingdom), Nicholas P. Williams, Olivia Bonduelle, Andrew J. Hutton, Béhazine Combadière, Tom M.A. Wilkinson

Amplified virus infection in a transforming growth factor-beta (TGFB) transgenic mouse model of inflammatory lung disease

Belinda Thomas (Melbourne (VIC), Australia), Keiko Kan-O, Hong-Mei Li, Ian Simpson, Jack Elias, Philip Bardin

Exhaled volatile markers analysed using Selected Ion Flow Tube Mass Spectrometry discriminate *Pseudomonas aeruginosa* and *Streptococcus pneumoniae* lung infection in a rat model study

Gitte Slingers (Nieuwerkerken, Belgium), Pouline M. Van Oort, Gudrun Koppen, Adrie Maas, Joris J. Roelofs, Marcus Schultz, Philippe Jorens, Marc Raes, Lieuwe D. Bos

Inflammatory exacerbation and inadequate interferone response to RV1b infection in HDM-sensitized lung tissue

Olga Danov (Hannover, Germany), Lisa Laßwitz, Helena Obernolte, Christina Hesse, Armin Braun, Sabine Wronski, Katherina Sewald

Rapid in vitro detection of resistant strains by MCC-IMS

Claus Steppert (Bamberg, Germany), Tanja Dick, Isabel Steppert, Thomas Bollinger, Gunther Becher

Effects of direct lung dosing of Tobramycin in a rat chronic infection model using *Pseudomonas aeruginosa* RP73

Mary Mcelroy (Edinburgh (Edinburgh), United Kingdom), Senthil Gandhi, Islay Cranston, Gerry McLachlan, Steven Wright, James Baily, Susanna Stimpson, Stephen Madden, Mark Whitmarsh, Alan Young

Impact of enzymes and toxins potentiality of four *Aspergillus* species to cause aspergillosis

Mohamed Fawzy Adam (Assiut, Egypt), Abdel-Naser Zohri, Bassam Aboul-Nasr, Enas Mahmoud Amer

Adaptation to oxidative stress induced-lung injury: friend or foe of influenza infection?

Benoit Allard (Talence, France), Erwan Pernet, Jeffrey Downey, Maziar Divangahi, James Martin

Exhaled breath analysis for the detection of *Streptococcus pneumoniae* and *Pseudomonas aeruginosa* lung infections using gas chromatography – mass spectrometry: a rat model study.

Pouline M.P. van Oort (Amsterdam, Netherlands), Paul Brinkman, Gitte Slingers, Gudrun Koppen, Adrie Maas, Joris J. Roelofs, Ronny Schnabel, Dennis Bergmans, Roy Goodacre, Stephen Fowler, Marcus J. Schultz, Lieuwe D. Bos

Influence of diabetes on serum profiles immune mediators and their association with the severity in patients hospitalized for pneumonia.

Renata Baez-Saldaña (Ciudad de México, Mexico), Carlos Lopez-Elizondo, Ricardo Lacurain-Ledesma, Leslie Chavez-Galan, Patricia Gorocica-Rosete

***Mycobacterium avium* complex(MAC)-specific poly-functional CD8 T cells can discriminate MAC pulmonary disease from colonization**

Chin-Chung Shu (Taipei, Taiwan), Ping-Huai Wang

The medical tactics at repeated pneumonias.

Marina Karakina (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Natalia Ponomareva

Lung vessel thrombosis like the reason of mortality at severe community-acquired pneumonia (CAP) of viral and bacterial etiology - autopsy data

Kseniia Bielosludtseva (Dnipropetrovsk, Ukraine), Mariia Krykhtina, Katerina Dyagovets

12:50 - 14:40

Thematic poster: Challenges in tuberculosis care

Disease(s) : Respiratory infections Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Physiology Cell and molecular biology Endoscopy and interventional pulmonology Surgery Public health

Chairs : Inês Tavares Ladeira (Vila Nova de Gaia, Portugal), Heinke Kunst (London, United Kingdom), Dumitru Chesov (Chisinau, Republic of Moldova), Chair to be confirmed

Routine liver function test monitoring of patients treated for active M.TB infection does not influence management: A real-world retrospective study

Eshrina Gosal (Nottingham, United Kingdom), Amanda Goodwin, Vidya Navaratnam, Lois Dexter, Anna L Rich

How does arginine effect on the course of tuberculosis? Experimental trial

Igor Medvinskiy (Yekaterinburg (Sverdlovsk), Russian Federation), Ilia Diachkov, Elena Sabadash, Sergey Skorniyakov, Vyacheslav Kotomtsev, Vladimir Pavlov, Elena Ivanchikova

Determinants of lymph node resolution in patients of tubercular lymphadenitis treated with anti tuberculous chemotherapy.

Alkesh Khurana (Bhopal (Madhya Pradesh), India), Vikas Gupta, Deepti Joshi, Abhishek Goyal, Kamendra Pawar, Abhijit Pakhare

Mycobacterium tuberculosis resistance profiles in index and secondary TB cases from the same household

Elena Chesov (Chisinau, Republic of Moldova), Greta Balan, Nelly Ciobanu, Dumitru Chesov, Valeriu Crudu

Improved Concordance Between Anti-TB Prescriptions and Treatment Guidelines by Expert Prescription Review in Taiwan

Meng-Jer Hsieh (Taipei, Taiwan), Yi-Wen Huang, Ying-Huang Tsai, Jia-Yih Feng, Wei-Juin Su

Precision medicine in tuberculosis treatment – a role for pharmacogenetics?

Maria Celeste da Silva Alcobia (Coimbra, Portugal), Luis Nogueira, Miguel Villar, Carlos Robalo Cordeiro, Carlos Fontes Ribeiro, Fernando Regateiro, Henriqueta Coimbra Silva

EFFICACY OF SENSITIVE TUBERCULOSIS TREATMENT WITH MALABSORPTION SYNDROM DURING IV ADMINISTRATION OF ANTI-TUBERCULOSIS DRUGS

Lilia Todoriko (Chernivtsi, Ukraine), Olena Podverbetskaya, Nikolay Gumenyuk, Mihaylo Kuzhko, Igor Sem Aniv, Oleksiy Denisov, Tetiana Sprynsian, Inga Eremenchuk

Lymph node tuberculosis: Criteria for cure and optimal duration of treatment

Sofiane Alihalassa (El-Madina Alager, Algeria)

Vitamin D levels in patients with active TB: Is it clinically relevant?

Madeleine L B Jacobs (Nottingham, United Kingdom), Eshrina Gosal, Amanda Goodwin, Vidya Navaratnam, Lois Dexter, Anna L Rich

TREATMENT OUTCOME OF THE RETREATMENT TUBERCULOSIS PATIENTS UNDER TUBERCULOSIS CONTROLE PROGRAMME IN A TB ENDEMIC PART OF INDIA

Ashwini Kumar Mishra (GORAKHPUR (UTTAR PRADESH), India), Praveen Bahadur Gautam, Santosh Kumar

Fixed-dose combination antituberculosis therapy: is the INH dose adapted for the Tunisian population?

Achraf Ben Tkhatat (Ariana, Tunisia), Soumaya Ben Saad, Hafaoua Daghfous, Fatma Tritar

Effectiveness of REBT psychotherapy approach on reducing cognitive distortions in tubercular patients

Mitra Safa (TEHRAN, Islamic Republic of Iran), Payam Tabarsi, Fatemeh Ghassem Boroujerdi, Bamdad Mirab Zadeh Ardekani, Farzaneh Haji Zadeh

Management of bronchopleural fistulas after pneumonectomy in tuberculosis patients by means of vascular occluders

Alexander Bazhenov (Ekaterinburg, Russian Federation), Igor Motus, Igor Medvinsky, Anna Tsvirenko, Rauf Basyrov, Lev Kardapoltsev, Petr Holniy, Ivan Dotsenko, Sergey Skorniyakov

High incidence of new onset joint pain in patients receiving fluoroquinolones as part of anti-tuberculous treatment

Neha Agrawal (Indore (Madhya Pradesh), India), Tejashree Lele, Preyas J Vaidya, Vinod Chavhan, Anne Taegtmeier, Joerg Leuppi, Prashant N Chhajed

Function of the thyroid gland in patients with tuberculosis

anzhela polyakova (Moscow, Russian Federation), Tatev Bagdasaryan, Marina Burakova, Alexey Tihonov, Ergeshov Atadzhan, Romanov Vladimir

Manifestations of hypersensitivity to anti-tuberculosis drugs

Yacine Benbetka (Alger, Algeria), Souad Souilah, Aziza Fissah

Frequency of adverse reactions to first-line anti-tuberculosis chemotherapy in patients with relapse(RTB)and newly diagnosed tuberculosis(NDTB)

Dmytro Butov (Kharkiv, Ukraine), Mykhailo Kuzhko, Ganna Stepanenko, Tetiana Butova

Diagnosis and treatment of tuberculosis: what place is left for thoracic surgery?

Sarrah Zairi (Tunis, Tunisia), Sabrine Louhaichi, Amira Dridi, Mehdi Abdennadher, Hazem Zribi, Hafaoua Daghfous, Emna Brahem, Aida Ayadi, Sonia Ouerghi, Fatma Tritar, Faouzi Mezni, Adel Marghli

Particular features of resumption of working capacity after resection of lungs in patients with destructive tuberculosis of lungs revealed for the first time

Yaroslav Voloshyn (Kyiv, Ukraine), I. Kalabukha

Evaluation of hormones in the menstrual cycle of women with pulmonary tuberculosis

T. A. Aswathy (Thrissur (Kerala), India), Gopal Purohit, Sunil Vyas

12:50 - 14:40

Thematic poster: Pitfalls in the diagnosis and management of rare diffuse parenchymal lung diseases (DPLDs)**Disease(s) :** Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Imaging General respiratory patient care Endoscopy and interventional pulmonology Cell and molecular biology Epidemiology**Chairs :** Thomas Wessendorf (Essen, Germany), Paola Faverio (Limbiato (MI), Italy), Phil Molyneaux (London, United Kingdom), Chair to be confirmed**Autoimmune pulmonary alveolar proteinosis complicated with sarcoidosis: clinical courses and serum levels of anti-GM-CSF autoantibody**

Toru Arai (Osaka, Japan), Takahiko Kasai, Akiko Matsumuro, Chikatoshi Sugimoto, Masaki Hirose, Naoko Takeuchi, Kanako Katayama, Masanori Akira, Masanori Kitaichi, Yoshikazu Inoue

Neutralizing capacity of autoantibody against GM-CSF in patients with autoimmune pulmonary alveolar proteinosis

Etsuro Yamaguchi (Nagakute (Aichi), Japan), Kenshi Kosaka, Toshiyuki Yonezawa, Hirofumi Shibata, Ayako Matsubara, Toshio Kato, Hiroyuki Tanaka, Norihito Yokoe, Satoru Ito, Akihito Kubo

Our cases with pulmonary alveolar proteinosis

Zuleyha Bingol (Istanbul, Turkey), Gulfer Okumus, Gonca Öcal, Esen Kiyan

Lung cysts in pulmonary alveolar proteinosis.

Maria Kokosi (London, United Kingdom), Peter Saunders, Phil L Molyneaux, Peter M George, George Margaritopoulos, Vasileios Kouranos, Thomas Pickworth, Felix Chua, Toby M Maher, Elizabeth Renzoni, Athol U Wells, Cliff Morgan

Lung disease caused by non-null ABCA3 mutations: long-term follow-up

Effrosyni D. Manali (Athens, Greece), Nadia Nathan, Caroline Kannengiesser, Periklis Tomos, Aurore Coulomb-L'Hermine, Penelope Korkolopoulou, Periklis G. Foukas, Lykourgos Kolilekas, Konstantinos Kagouridis, Maria Maniati, Stylianos Argentos, Ioanna Korbila, Ioannis P. Tomos, Nikolaos Roussakis, Maria Kallieri, Andrea Schams, Matthias Griese, Theofanis Tsiligiannis, Anna Karakatsani, Stylianos Loukides, Georgios N. Koutsocheras, Angeliki Androu, Marie Legendre, Serge Amselem, Raphael Borie, Bruno Crestani, Spyros A. Papiris

Lung involvement associated with anti-NXP2 autoantibodies: a monocentre observational French study

Julien Bermudez (Marseille, France), Benjamin Coulon, Youssef Trigui, Carine Gomez, Jean-Louis Mege, Nathalie Bardin, Martine Reynaud-Gaubert

Genetic interstitial lung disease: an unusual case

Gros Marion (Fontenay sous bois, France), Alix De Becdelièvre, Daphne Lehalle, Celine Delestrain, Annick Le Floch, Benoit Funalot, Pascale Fanen, Ralph Epaud

Effect of MUC5B gene polymorphism on survival in a Lebanese population of patients with idiopathic pulmonary fibrosis

Georges Dabar (Beyrouth, Lebanon), Zeina Aoun, Moussa Riachi, Jacques Boutros, Georges Khayat

Acute eosinophilic pneumonia due to heroin inhalation

Canan Dogan (Izmir, Turkey), Hac Ahmet Bircan

Relapse predictive factors of chronic eosinophilic pneumonia

Naoko Takeuchi (Sakai, Japan), Toru Arai, Yumiko Sasaki, Yoshinobu Matsuda, Kanako Katayama, Chikatoshi Sugimoto, Kazunobu Tachibana, Seiji Hayashi, Masanori Akira, Takahiko Kasai, Masanori Kitaichi, Yoshikazu Inoue

Eosinophilic Pneumonia Due to Sulphasalazine Use

Sinem Nedime Sökücü (Istanbul, Turkey), Cengiz Özdemir, Özlem Kahya, Seda Tural öNür

Pulmonary toxicity to mesalazine

Maria Raquel Araújo Pereira (Braga, Portugal), Maria João Araújo, Filipa Lemos Aguiar, Joana Vale Lages, Ana Luisa Vieira, João Filipe Cruz

Disease characteristics and outcomes in a Swedish cohort of patients with pulmonary fibrosis (PF)

Magnus Sköld (Stockholm, Sweden), Karen Bartley, Aaron Levine, Lisen Arnheim-Dahlstrom, Klaus-Uwe Kirchgaessler, Ragnar Linder, Christer Janson, Giovanni Ferrara

Transbronchial cryobiopsy in interstitial lung disease

Lars Hagmeyer (Haan, Germany), Dirk Theegarten, Marcel Treml, Anja Pietzke-Calcagnile, Simon Dominik Herkenrath, Winfried J. Randerath

Prevalence of progressive fibrosing interstitial lung disease

Amy Olson (Denver, United States of America), Nadine Hartmann, Rozsa Schlenker-Herceg, Laura Wallace

Smoking-related interstitial fibrosis (srif): A new entity?

Elizabeth De Freitas Gonzalez (, Spain), Jesús Villegas Alcázar, Raúl Almeida Cabrera, Carlos Mier Bango, Laura Sierra Herranz, Javier Juan García, Inmaculada Herráez Ortega, Nieves Alonso Orcajo, Silvia García García, Elena Bollo De Miguel

Atypical presentation of a rare lung condition: axillary and paraspinal lymphadenopathy in a patient with clinical and radiological features of lymphangioleiomatosis (LAM)

Ajikumar Kavidasan (London, United Kingdom), Vicky Taylor, Sajid Chaudhry, Rosh Siva, Yogini Raste

Case of lymphangioleiomyomatosis complicated by severe alveolar hemorrhagic syndrome

Oxana Fesenko (Moscow, Russian Federation), Svetlana Shwaiko, Zhanna Sheykh, Oxana Paklina, Eugene Kulaeva

False-positive PET-CT scan secondary to interstitial pneumonitis mimicking malignancy in fire eater's lung

Ayse Baccioglu (Ankara, Turkey), Dilek Eraslan, Sule Halici, Fusun Kalpaklioglu

The presence of staphylococcal superantigens in nasal swabs and correlation with activity of granulomatosis with polyangiitis (GPA) in own material.

Justyna Fijoek (Warszawa, Poland), Elzbieta Wiatr, Violetta Petroniec, Ewa Augustynowicz-Kopec, Michal Bednarek, Dariusz Gawryluk, Magdalena Maria Martusewicz-Boros, Katarzyna Modrzejewska, Elzbieta Radzikowska, Kazimierz Roszkowski-Sliz

12:50 - 14:40

Thematic poster: Pulmonary tuberculosis: long term complications, rehabilitation and challenges**Disease(s) :** Respiratory infections Airway diseases Respiratory critical care Sleep and breathing disorders**Method(s) :** General respiratory patient care Endoscopy and interventional pulmonology Public health Epidemiology Cell and molecular biology Imaging Physiology**Chairs :** Alena Skrahina (Minsk region, Belarus), Graham H. Bothamley (London, United Kingdom), Sergey Evgenievich Borisov (Moscow, Russian Federation), Chair to be confirmed**Chronic pulmonary aspergillosis in patients with post-tuberculosis bronchiectasis**

Oxana Munteanu (Chisihau, Republic of Moldova), Irina Volosciuc, Eugenia Scutaru, Victor Botnaru

Predictive factors of sequelae among Tunisian patients treated for pulmonary tuberculosis.

Meriem Mjid (Tunis, Tunisia), Safa Ben Khaled, Abir Hedhli, Sonia Toujani, Amir Taboubi, Azza Slim, Sana Cheikh Rouhou, Yacine Ouahchi, Samira Merai

Post tuberculosis sequelae in patients treated for tuberculosis: An observational study at a tertiary care center of a high TB burden country

Maryam Gohar Ali (Hyderabad (Sindh), Pakistan), Zubair Syed Muhammad, Talha Shahzad, Afshan Yaseen, Muhammad Irfan

Long term sequelae of pulmonary tuberculosis and the factors predicting its development: A clinicoradiological study

Jayamol Revendran (Navi Mumbai (Maharashtra), India), Kalpita Patil, Girija Nair, Abhay Uppe, Viral Nanda, Sayli Sawant, Abhishek Nuchin

Clinical manifestation and pulmonary function test after post tuberculosis treatment

Abolfazl Mozaffari, Speaker to be confirmed

Post-Tuberculosis Bronchiectasis in India: Outcomes of the Indian EMBARC Registry

Deesha Ghorpade (Pune (Maharashtra), India), Sheetu Singh, Deepak Talwar, Sagar Chandrashekariah, Surya Kant, Rajesh Swarnakar, Srinivas Rajagopala, George D'Souza, Padmanabhan Arjun, Archana Baburao, P.A. Mahesh, Sonali Trivedi, Babaji Ghewade, Aditya Jindal, Girija Nair, Gayathri Devi H.J., Kripesh Sarmah, Honney Sawhney, Kaushik Saha, Arjun Khanna, Samir Gami, Anantharaj Suresh, Arpan Shah, Naveen Dutt, Arti Shah, Himanshu Garg, Sunil Vyas, K Venugopal, Rajendra Prasad, Saurabh Karmakar, Virendra Singh, Shubham Sharma, Shivani Saxena, Preethi Vasudev, B.S. Jayaraj, Rahul Kungwani, Akanksha Das, Palak Shah, Anshul Mangla, Nikita Jajodia, Harsh Saxena, Sapna Madas, Sneha Limaye, Sundeep Salvi, Stefano Alberti, James Chalmers, Raja Dhar

Pulmonary function and Quality of Life in patients with treated smear positive pulmonary tuberculosis at three tuberculosis clinics in Nairobi, Kenya

Peter Ngaruiya Mugo (Nairobi, Kenya), Jared Mecha, Chakaya Muhwa

Assessment of lung functions in patients of pulmonary tuberculosis (PTB) after completion of their anti-tubercular medication

Gaurav S.N. Gupta (Ashok Nagar (Madhya Pradesh), India), A.S Chitnis

Prevalence of lung function impairment (LFI) and assessment of exercise tolerance in cured pulmonary tuberculosis patient (pTB) in Cotonou (Benin)

Arnould Attannon Fiogbe (Cotonou 02, Benin), Gildas Agodokpessi, Chantale Raherison, Olivier Marcy

LAMA increases pulmonary lung functions in post-tuberculous destroyed lung patients

Ji Hye Kim (Daejeon, Republic of Korea), In-Beom Jeong, Ji-Woong Son, Mun-Jun Na, Sun-Jung Kwon

Atypical locations of tuberculosis in a pulmonary diagnostic center in Portugal

Margarida Pimenta Queiroz Valério (Abrantes, Portugal), Denny Marques Rodrigues, Eunice Dias, Paulo Cravo Roxo, Catarina Ferreira

Extrapulmonary Tuberculosis: 21 Patients at Western Visayas Medical Center DOTS Clinic, Philippines (January 2016 to December 2017)

Fel Angelie Colon (Iloilo City, Philippines)

Retrospective study of abdominal tuberculosis without pulmonary involvement: a difficult to diagnose form of extrapulmonary tuberculosis

Ana Santos Dornellas Cysneiros (Lisboa, Portugal), Miguel Afonso, Filipa Ferro, Joana Carvalho, Teresa Mourato, Alexandre Gomes, Conceicao Gomes, Ana Castro

Prevalence of positivity of CBNAAT (cartridge based nucleic acid amplification test) in extra-pulmonary tuberculosis.

Mahesh Gupta (Rohtak (Haryana), India), Gopal Purohit, Sunil Vyas

Neutrophil-predominant effusion as a predictive factor for outcome in tuberculous pleurisy

Kanako Katayama (Sakai city, Japan), Kazunari Tsuyuguchi, Yu Kurahara, Takehiko Kobayashi, Naoko Takeuchi, Toru Arai, Yoshikazu Inoue, Katsuhiko Suzuki

Differentiating tuberculous pleuritis from other exudative lymphocytic pleural effusions

Pichaya Petborom (Nakhon Nayok, Thailand), Bothamai Dechates, Panunat Muangnoi

Diagnostic Utility of Closed Needle Pleural Biopsy in Exudative Pleural Effusions

Sameer Bansal (Navi Mumbai (Maharashtra), India), Ketaki Utpat, Unnati Desai, Jyotsna Joshi

Use of pleural fluid interferon-gamma enzyme-linked immunospot (ELISPOT) assay in the evaluation of undiagnosed pleural effusion

Zia Hashim (Lucknow (Uttar Pradesh), India), Alok Nath, Vikas Agarwal, Ravi Mishra

Diagnostic performance of interferon-gamma release assay for tuberculous pericarditis: A systematic review and meta-analysis

Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Tae Hwa Kim, Doo Soo Jeon, Seung Eun Lee, Seong Hoon Yoon, Hye Ju Yeo

Yield of sputum AFB smear, gene xpert & sputum culture of MTB in biopsy proven Pleural Tuberculosis.

Kamran Khan (Karachi, Pakistan), Nadeem Rizvi

12:50 - 14:40

Thematic poster: Non-invasive ventilation for acute respiratory failure

Disease(s) : Respiratory critical care Sleep and breathing disorders Airway diseases Pulmonary vascular diseases

Method(s) : Respiratory intensive care General respiratory patient care Epidemiology Surgery

Chairs : Lúcia Helena Pires Vicente (Portimão, Portugal), Marcus Schultz (Amsterdam, Netherlands), Anne-Kathrin Brill (Bern, Switzerland), Himender Makker (London, United Kingdom)

Predictors of duration of noninvasive ventilation in severe COPD exacerbation

Alexandru Tudor Steriade (Bucuresti, Romania), Shirin Johari, Nicoleta Filip, Cornelia Tudose, Miron Alexandru Bogdan, Dragos Bumbacea

Non-invasive ventilation for acute respiratory failure in the elderly

Rodolfo Ferrari (Bologna (BO), Italy), Elena Martino, Giampaolo Bianchi, Daniela Agostinelli, Riccardo Voza, Marco Zoli, Mario Cavazza

Early predictors of success of Non-invasive ventilation in Acute Hypercapnic respiratory failure

UMESH G (Alappuzha (Kerala), India), L Sundararajan

The rationality of the use of NIV in elderly patients with acute COPD exacerbation

Sava Pejkovska (Skopje, FYROM (Macedonia)), Dejan Dokic, Gorica Breshkovska, Biserka Kaeva, Smilko Jovanoski, Irina Angelovska, Angela Debreslioska

Review of acute NIV outcomes over four years in a university hospital

Joanna Lovett (London, United Kingdom), Nilaani Murugesu, Adil Hasnain, Serena Tan, Terry O'Shaughnessy, Vladimir Macavei

The effect of Post-acute domiciliary non-invasive ventilation (NIV) on hospital admissions and length of stay (LOS)

Alana Livesey (Birmingham (West Midlands), United Kingdom), Amy Oakes, Pearlene Antoine-Pitterson, Emma Gallagher, Biman Chakraborty, Rahul Mukherjee

Ward-based Non-invasive ventilation (NIV) as Ceiling of Care in Acute Hypercapnic Respiratory Failure (AHRF)

Alana Livesey (Birmingham (West Midlands), United Kingdom), Pearlene Antoine-Pitterson, Amy Oakes, Biman Chakraborty, Rahul Mukherjee

Non-invasive ventilation in acute respiratory failure in a pulmonary ward: chronic obstructive pulmonary disease versus other indications

Denny Marques Rodrigues (Minde, Portugal), João Pedro Neiva Machado, José Costa, Teresa Costa

Outcomes of noninvasive ventilation in immunosuppressed patients with acute respiratory failure due to pneumonia

Imren Nesil (Izmir, Turkey), Pervin Korkmaz Ekren, Feza Bacakoglu

Outcomes of a co-ordinated MDT approach to the delivery of acute NIV

Robert Free (Leicester (Leicestershire), United Kingdom), Liam Curry, Clare Rossall, Liz Pulford, Irene Valero, Schnell D'Sa, Richard Walton, Thomas Grew, Gerrit Woltmann, Rachael Evans

Sleep quality during home noninvasive ventilation (NIV).

Jasmine Sutter (Caen, France), Raphaël Lukaszewicz, Julien Maris, Florence Portier, Adriana Portmann, Antoine Cuvelier, Maxime Patout

The impact of late presentation of acidotic hypercapnic respiratory failure in hospitalised COPD patients on outcome following non-invasive ventilation.

Samuel Trethewey (Birmingham (West Midlands), United Kingdom), Ross Edgar, Julien Morlet, Rahul Mukherjee, Alice Turner

Assessment of Noninvasive Ventilation in COPD patients requiring Respiratory Critical Care

Kushal Chidgupkar (Solarpur (Maharashtra), India), Anita Anokar, Medha Bargaje, Ram Deoskar, Shivakumar Iyer

Non invasive ventilation in elderly COPD with do not intubate order

Dejan Radovanovic (Milano (MI), Italy), Maurizio Rizzi, Francesca Frassanito, Andrea Airoidi, Andrea Cristiano, Silvia Vanni, Paolo Gaboardi, Pierachille Santus

Electrical impedance tomography in evaluating the effects of non-invasive ventilation in the post-operative cardiac surgery: randomized controlled clinical trial

Daniella Brandao (Recife (PE), Brazil), Alita De Novaes, Armêlo Dornelas De Andrade, Shirley Campos, Norma Módolo, Christian Gonçalves, Caio Morais, Catarina Rattes, Wagner Leite, Wildberg Lima

A dynamical model for patient-ventilator interactions during noninvasive ventilation

Emeline Fresnel (Saint Etienne du Rouvray, France), Adrien Kerfourn, Jean-François Muir, Maxime Patout, Antoine Cuvelier

Evolving indications and demographics for domiciliary Non-Invasive Ventilation (NIV) at an acute hospital based NIV service

Alana Livesey (Birmingham (West Midlands), United Kingdom), Pearlene Antoine-Pitterson, Amy Oakes, Pradeep Mallisetty, Alice Turner, Rahul Mukherjee

Does adherence to domiciliary NIMV decrease the rate of subsequent hospitalizations and cost?

Burcu Arpinar Yigitbas (Istanbul, Turkey), Celal Satıcı, Mustafa Asım Demirkol, Gizem Koybasi, Ayşe Filiz Kosar

12:50 - 14:40

Thematic poster: Improving the quality of life of patients with bronchiectasis

Disease(s) : Airway diseases Respiratory infections

Method(s) : General respiratory patient care Imaging Epidemiology Respiratory intensive care

Chairs : Pieter Goeminne (Bornem, Belgium), Amelia Shoemark (Dundee (Scotland), United Kingdom), Wim G. Boersma (Alkmaar, Netherlands), Michal Shteinberg (Haifa, Israel)

Adverse events during treatment of nontuberculous mycobacterial lung disease: do they really matter?

Charlotte Balavoine (Etouy, France), François-Xavier Blanc, Philippe Lanotte, Jean Claude Meurice, Claire Andrejak, Sylvain Marchand-Adam

Peripheral blood eosinophilia and clinical phenotype in Bronchiectasis

Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Simon Finch, Holy Keir, Thomas Fardon, James Chalmers

Factors related to microbiological isolates in patients with Non Cystic-Fibrosis Bronchiectasis (Non-CFBQ)

Jacinto Hernandez Borge (Badajoz, Spain), Miguel Benitez-Cano Gamonoso, Maria Jose Antona Rodriguez, Maria Teresa Gomez Vizcaino, Pilar Iñigo Naranjo, Pilar Cordero Montero, Amparo Sanz Cabrera, Jose Antonio Gutierrez Lara, Luis Miguel Sierra Murillo, Kaoutar El Boutaibi Faiz, Francisca Lourdes Marquez Perez

Prognostic indicators of adult patients with non-CF bronchiectasis and those with combined COPD and non-CF bronchiectasis

Geraldine Lynch (Bristol (Avon), United Kingdom), Caroline McKerr, Adam Massey, Nabil Jarad

Lung function decline in patients with bronchiectasis

Michal Shteinberg (Haifa, Israel), Alon Ikan, Yochai Adir, Nili Stein, Sonia Schneer

A randomised placebo-controlled dose finding study of tobramycin inhalation powder (TIP) in patients with bronchiectasis (BE) and pulmonary P. aeruginosa Pa infection (iBEST-1)

Michael Loebinger (London, United Kingdom), Eva Polverino, Francesco Blasi, Stuart Elborn, James D Chalmers, Harm A.W.M. Tiddens, Herman Goossens, Michael Tunney, Gerhild Angyalosi, Adam T Hill, Charles Haworth, . On Behalf Of The I Best-1 Trial Team

Quality of life is associated with increased symptom burden and markers of disease severity: data from the German Bronchiectasis Registry PROGNOSIS

Philipp Sokol (Hannover, Germany), Grit Barten, Andrés De Roux, Roland Diel, Stefanie Konwert, Jessica Rademacher, Tobias Welte, Marie-Louise Witte, Annegret Zurawski, Felix C. Ringshausen

Paratracheal air cysts in patients with non-CF bronchiectasis

Oxana Munteanu (Chisinau, Republic of Moldova), Irina Volosciuc, Doina Rusu, Eugenia Scutaru, Leonid Onea, Victor Botnaru

Validation of the Italian version of Bronchiectasis Quality of Life Questionnaire (QoL-B)

Elisa Franceschi (Milano (MI), Italy), Angela Bellofiore, Cesare Del Monaco, Andrea Gramegna, Fabrizio Nava, Noemi Borsa, Francesco Amati, Martina Contarini, Alexandra Quittner, Ilaria Baiardini, Stefano Aliberti, Francesco Blasi

Validation of Murray sputum purulence scale in the Italian Registry of Bronchiectasis (IRIDE)

Elisa Franceschi (Milano (MI), Italy), Stefano Aliberti, Federico Dente, Marialma Berlendis, Emanuela De Juli, Salvatore Battaglia, Andrea Gramegna, Francesco Amati, Martina Contarini, Cecilia Calabrese, Valentina Conio, Vittoria Comellini, Nunzio Crimi, Angelo Corsico, Paola Faverio, Sebastian Ferri, Carla Galeone, Francesco Menzella, Stefano Nava, Pierluigi Paggiaro, Nicola Scichilone, Maurizio Dottorini, Rosa Di Matteo, Meridiana Dodaj, James D Chalmers, Giovanni Sotgiu, Francesco Blasi

Etiology, clinical, radiological and microbiological profile of patients with non-CF bronchiectasis in Pakistan. A single center study.

Nadia Sharif (Karachi, Pakistan), Mirza Saifullah, Nisar Rao

Effect of prior year pulmonary exacerbation (PE) frequency on response to ARD-3150 in patients with non-cystic fibrosis bronchiectasis (NCFB) chronically infected with *Pseudomonas aeruginosa* (PA)
James D. Chalmers (Dundee (Angus), United Kingdom), Bruce Thompson, Juergen Froehlich, Angela Davis, Janice Dahms, David Cipolla, Igor Gonda

The heterogeneity of bronchiectasis patient characteristics, management and outcomes across Europe: Data from the EMBARC registry

James D. Chalmers (Dundee (Angus), United Kingdom), Eva Polverino, Francesco Blasi, Felix Ringshausen, Anthony De Soyza, Montse Vendrell, Pieter Goeminne, Wim Boersma, Charles Haworth, Marlene Murris, Adam Hill, Michael Loebinger, Rosario Menendez, Antoni Torres, Katerina Dimakou, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti

ABPA screening in bronchiectasis: is there a grey zone?

Paola Faverio (Limiate (MI), Italy), Giulia Bonaiti, Anna Stainer, Federica De Giacomi, Stefano Zucchetti, Bruno Dino Bodini, Francesco Bini, Alberto Pesci

Impact of Inflammatory bowel disease in bronchiectasis (IBD-BR) data from the EMBARC registry

Anthony De Soyza (Newcastle-upon-Tyne, United Kingdom), James Chalmers, Dimakou K, Adam Hill, Michael Loebinger, Rosario Menendez, Francesco Blasi, Felix Ringshausen, Montserrat Vendrell, Pieter Goeminne, Wim Boersma, Antoni Torres, Tobias Welte, Rob Wilson, Charles Haworth, Marlene Murris, Eva Polverino, Stefano Aliberti

Factors associated with the need of intravenous antibiotics in a cohort of adult patients with non-CF bronchiectasis

Caroline McKerr (Bristol (Avon), United Kingdom), Adam Massey, Geraldine Lynch, Nabil Jarad

Etiology of 1805 adult patients with bronchiectasis in western China

Bicui Liu (Chengdu, China), Dan Wang, Chuntao Liu, Jian Luo, Tingxuan Huang, Binmiao Liang, Xiaohu Wang, Dan Yang

Cross-sectional comparison of the bronchiectasis-specific quality of life questionnaires

Arietta Spinou (London, United Kingdom), Georgie Housley, Surinder S Birring, Robert Wilson, Michael R Loebinger

Robustness of assessment of pulmonary endpoints in phase 3 trials with ARD-3150 in non-cystic fibrosis bronchiectasis (NCFB) patients with chronic *Pseudomonas aeruginosa* (PA) infections

Angela Davis (Durham, United States of America), Anne O'Donnell, Juergen Froehlich, Bruce Thompson, Janice Dahms, David Cipolla, Igor Gonda, Charles Haworth

Is there a relationship between adventitious respiratory sounds and disease severity in patients with bronchiectasis? A cross-sectional study.

Iciar Tobajas-Sagaste (Ejea de los Caballeros, Spain), Marina Francín-Gallego, Marta San Miguel-Pagola, Juan Antonio Saez-Perez, Beatriz Herrero Cortina

12:50 - 14:40

Thematic poster: Pneumonia: from the community to the intensive care unit

Disease(s) : Airway diseases Respiratory infections Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Respiratory intensive care Public health

Chairs : Eva Polverino (Barcelona, Spain), Aran Singanayagam (London, United Kingdom), Eric Mortensen (Simsbury, United States of America), Chair to be confirmed

Community-acquired pneumonia (CAP) with cytomegaloviral (CMV) persistence at young adults: prevalence and reciprocal burdening

Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Tetyana Konstantynovych, Larisa Moroz

Verifying the antibiotic selection algorithm in the new Japanese pneumonia guidelines - Is algorithm-discordant treatment associated with increased mortality of healthcare-associated pneumonia?

Masahiro Aoshima (Kamogawa, Japan), Kei Nakashima, Makito Yaegashi, Atsushi Shiraishi

Twenty-year Trend in Mortality among Hospitalized Patients with Pneumococcal Community-Acquired Pneumonia

Catia Cilloniz Campos (Barcelona, Spain), Adamanthia Liapikou, Ignacio Martin-Loeches, Carolina Garcia-Vidal, Albert Gabarrus, Adrian Ceccato, Josep Mensa, Francesc Marco

Effectiveness of a 23-valent pneumococcal polysaccharide vaccine and a 13-valent pneumococcal conjugate vaccine among the elderly with chronic respiratory diseases

Toshihiro Masuda (Shizuoka-city, Japan), Taisuke Akamatsu, Eiji Nakatani, Kanami Tamura, Shingo Takahashi, Yuko Tanaka, Hirofumi Watanabe, Yoshinari Endo, Takahito Suzuki, Rie Noguchi, Mika Saigusa, Akito Yamamoto, Yuichiro Shishido, Takefumi Akita, Satoru Morita, Kazuhiro Asada, Toshihiro Shirai

Clinical significance of virus detected community-acquired pneumonia in adults

Mi-Ae Kim (Daegu, Republic of Korea), Won-Il Choi, Hyun Jung Kim, Sun Hyo Park, Jae Seok Park, Choong Won Lee

Uncommon accumulation of multidrug resistance and virulence potential in carbapenemase ST-14 KPC-3 *Klebsiella pneumoniae* in Portugal: a high risk threat

Cátia Caneiras (Lisboa, Portugal), José Melo Cristino, Luis Lito, Sagrario Mayoralas-Alises, Aida Duarte

Hospitalized community-acquired pneumonia in the elderly: etiology and comorbidities

Valentin Calancea (Chisinau, Codru, Republic of Moldova), Sergiu Matcovschi, Tatiana Dumitras, Iuliana Romaniuc, Mihail Lupan, Diana Fetco-Mereuta, Nina Chicu

RISK FACTORS FOR LONG-TERM MORTALITY IN PATIENTS WITH PNEUMOCOCCAL COMMUNITY-ACQUIRED PNEUMONIA

Luis Alberto Ruiz Iturriaga (Barakaldo (Vizcaya), Spain), Leyre Serrano Fernandez, Lorea Martinez-Indart, Ainhoa Gomez Bonilla, Amaia Artaraz Ereño, Beatriz Gonzalez Quero, Amaia Aramburu Ojembarrena, Pedro Pablo España Yandiola, Rafael Zalacain Jorge

Inhaled antibiotics, pneumonia and bacterial resistance in the ICU

Lucy B. Palmer (Stony Brook, United States of America), Gerald C. Smaldone

Platelet activation is boosted early in community-acquired pneumonia and sustained until 30 days later

Raúl Méndez (Valencia, Spain), Antonio Moscardó, Ana Latorre, Alba Piró, Isabel Amara-Elorí, Alexandra Gimeno, Paula González, Laura Feced, María Teresa Climent, Rosario Menéndez

MACROLIDE RESISTANCE HAS A PROGNOSTIC IMPACT IN BACTEREMIC PNEUMOCOCCAL PNEUMONIA

Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Estrella Fernández-Fabrellas, Nuria Tormo, Remedios Guna, Concepción Gimeno, José Blanquer

PREDICTING THE MORTALITY OF PNEUMONIA PATIENTS VISITING THE EMERGENCY DEPARTMENT THROUGH MACHINE LEARNING

YEOL BAE (Seongnam-si, Gyeonggi-do, Republic of Korea), Hyunki Moon, Suhyun Kim

Carbapenem-resistance pathogens in HAP/VAP patients in US hospitals between 2010 and 2015

Bin Cai (FlornFam Park, United States of America), Bin Cai, Roger Echols, Frank Corvino, Deborah Rudin, Gareth Morgan, Yuko Matsunaga, Mari Ariyasu, Takuko Sawada, Tsutae Nagata

Effects of probiotic supplementation on procalcitonin level and clinical improvements in patients with pneumonia

Reviono Reviono (Surakarta (Central Java), Indonesia), Sutanto Yusup, Harsini Harsini, Hartanto Dwi Nugroho

INCIDENCE AND RISK FACTORS FOR NEW ATRIAL ARRHYTHMIA IN PNEUMOCOCCAL PNEUMONIA

Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Lorea Martinez-Indart, Beatriz Gonzalez Quero, Amaia Artaraz Ereño, Amaia Aramburu Ojembarrena, Ainhoa Gomez Bonilla, Pedro Pablo España Yandiola, Rafael Zalacain Jorge

Association of metformin and mortality for patients with diabetes who are hospitalized with pneumonia

Eric Mortensen (Simsbury, United States of America), Antonio Anzueto

Recovery in adults hospitalised with community-acquired pneumonia; a systematic review and meta-analysis

Harry Pick (Nottingham (Nottinghamshire), United Kingdom), Charlotte E Bolton, Wei Shen Lim, Tricia McKeever

Effect of Oral Chlorhexidine in Preventing Hospital-Acquired Pneumonia among non-intubated patients in the Philippines

martin kristoffer ogbac (Mandaluyong, Philippines), Jonathan Arquiza

Risk factors of nosocomial pneumonia in multiple trauma patients

Syrine Chouchane (Sousse, Tunisia), Mohamed Kahloul, Chawki Jebali, Raoudha Chrigui, Sana Aissa, Marwa Chaabani, Mohamed Said Nakhli, Walid Naija

Optimizing treatment for community-acquired pneumonia in Denmark (The optiCAP study)

Markus Fally (Frederiksberg C, Denmark), Jacob Anhoej, Lise Notander Clausen, Britta Tarp, Thomas Benfield, Pernille Ravn

12:50 - 14:40

Thematic poster: Pulmonary hypertension in lung diseases and the role of the right ventricle

Disease(s) : Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases Respiratory critical care Airway diseases

Method(s) : Imaging General respiratory patient care Public health Cell and molecular biology Epidemiology Physiology

Chairs : Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Stephen Wort (Hampton (Middlesex), United Kingdom), Chair to be confirmed

Screening for pulmonary arteriovenous malformations in hereditary haemorrhagic telangiectasia in the French national reference centre

Victor Margelidon-Cozzolino (Lyon, France), ChahéRa Khouatra, Kais Ahmad, Julie Traclet, Nader Chebib, Sophie Dupuis-Girod, Vincent Cottin

10 years' experience of referral of ILD patients with Suspected PH to a National PH Service:

Demographics and Outcomes

S. John Wort (London, United Kingdom), Simon Bax, Joseph Jacobs, Vasilis Kouranos, Charlene Bredy, Konstantinos Dimopoulos, Aleksander Kempny, Simon Walsh, Arjun Nair, Maria Kokosi, Gregory Kier, Elisabetta Renzoni, Felix Chua, Peter George, Colm McCabe, Michael Wilde, Arnie Devaraj, Athol Wells, Laura Price*

Multi-institutional prospective registry in pulmonary hypertension associated with respiratory disease in Japan.

Nobuhiro Tanabe (Chiba City, Japan), Hiraku Kumamaru, Yuichi Tamura, Hiroyuki Taniguchi, Noriaki Emoto, Yoshihito Yamada, Osamau Nishiyama, Ichizo Tsujino, Hiroshi Kuraishi, Hiroshi Kimura, Yoshikazu Inoue, Yoshiteru Morio, Yasuto Nakatsumi, Toru Satoh, Masayuki Hanaoka, Tomohiro Handa, Mitsuhiko Sumitani, Kei Kusaka, Yoshihiro Nishimura, Fumio Sakamaki, Masaru Hatano, Hiromi Matsubara, Kazuhiko Nakayama, Tomoki Kimura, Seiichiro Sakao, Masaharu Nishimura, Hiroaki Miyata, Koichiro Tatsumi

Pulmonary hypertension in patients with idiopathic pulmonary fibrosis and combined pulmonary fibrosis and emphysema: hemodynamic severity

Maria Laura Graziani (Roma (RM), Italy), Martine Reynaud-Gaubert, Emmanuel Gomez, Julie Traclet, Kaïs Ahmad, Emmanuel Bergot, Laurent Bertoletti, Boubou Camara, Dominique Israël-Biet, Xavier Jaïs, Lize Kiakouama-Maleka, Sylvain Marchand-Adam, David Montani, Anna Nieves, Hilario Nunes, Fabrice Piegay, Lidwine Wemeau-Stervinou, Virginie Zarza, Stéphanie Polazzi, Anne-Marie Schott-Pethelaz, Sabrina Zeghmar, Mouhamad Nasser, Vincent Cottin

Pulmonary hypertension in hypersensitivity pneumonitis.

Adrienn Tornóyos (Graz, Austria), Martin Trinker, Vasile Foris, Susanne Pfeiffer, Balázs Odler, Philipp Douschan, Alexander Avian, Andreas Leitner, Andrea Olschewski, Gabor Kovacs, Horst Olschewski

Sildenafil in Patients with Severe Group 3 Pulmonary Hypertension

Laura Price (London, United Kingdom), Aleksander Kempny, Colm McCabe, Konstantinos Dimopoulos, Jalpa Kotecha, Carl Harries, Joana Barbosa, Nick Hopkinson, Anita Simonds, Athol Wells, John Wort

Borderline pulmonary hypertension is associated with exercise intolerance and increased risk for acute exacerbation in patients with interstitial lung disease

Mitsunobu Ito (Naka-gun (Ibaraki), Japan), Kenji Nemoto, Shuji Oh-Ishi, Takeshi Yamamoto, Yuya Koshiishi, Akira Ito, Tetsuro Shiraishi, Joichi Yamazaki, Shinji Inamura, Tatsuya Akiyama, Takefumi Saito, Shima Fukai

Diagnostic accuracy of echocardiography in pulmonary hypertension due to interstitial lung disease

Henning Gall (Gießen, Germany), Charlotte Heinze, Manuel Richter, Natascha Sommer, Khodr Tello, Hossein Ardeschir Ghofrani, Werner Seeger

Role of quantitative computed tomography in patients with severe precapillary pulmonary hypertension

Florence Coste (Bordeaux, France), Ilyes Benlala, Gael Dournes, Claire Dromer, Elodie Blanchard, Francois Laurent, Patrick Berger

CT Based Arterial and Venous Morphologic Changes In Pulmonary Hypertension Associated with COPD

Farbod Rahaghi (Boston, United States of America), Vivian Paz, Pietro Nardelli, James Ross, Raúl San José Estépar, George Washko, Franck Rahaghi

Potential role of inflammatory factors in Sleep Apnea Hypopnea Syndrome associated pulmonary hypertension

Jin Zhang (Yinchuan (Ningxia), China), Shaojin Wang, Peng Zhang

Association of pulmonary hypertension with sleep apnea in highlanders

Talantbek Sooronbaev (Bishkek, Kyrgyzstan), Michael Furian, Maamed Mademilov, Bermet Estebeşova, Batyr Osmonov, Nuriddin Marajapov, Ulan Sheraliev, Philipp M Scheiwiller, Mona Lichtblau, Stephanie Saxer, Patrick R Bader, Thierry Rochat, Silvia Ulrich, Konrad E Bloch

Pulmonary arterial pressure predicts nocturnal hypoxemia in CTEPH patients.

Catharina Belge (Leuven, Belgium), Dries Testelmans, Bertien Buyse, Marion Delcroix

HIGH RATE OF SLEEP DISTURBANCE ABNORMALITIES IN A STABLE PULMONARY HYPERTENSION COHORT

Vanina Giovini (Ciudad Autónoma Buenos Aires, Argentina), Mariano Mazzei, Nicolas Atamañuk, Diego Liteuka, Nogueira Facundo

Effect of e-cigarette vapour extraction on vasoactive gene expression in human pulmonary artery smooth muscle and endothelial cells.

Abdullah Alqarni (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Alice Pasini, Mohammed Alshehri, Linhua Pang

Right ventricular tissue doppler echocardiography in pulmonary hypertension

Susanne Pfeiffer (Graz, Austria), Alexander Avian, Philipp Douschan, Vasile Foris, Andrea Olschewski, Horst Olschewski, Gabor Kovacs

NT-proBNP variation in stable pulmonary arterial hypertension patients.

Ines Furtado (Vila do Conde, Portugal), Célia Cruz, Ana Vigário, Sandra Correia, Luísa Carvalho, Fabienne Gonçalves, Mário Santos, Abílio Reis

Evaluation of the Validity and Reliability of the Turkish Translation of the Emphasis-10 Questionnaire In Patients with Pulmonary Hypertension

Pinar Odevoglu (Istanbul, Turkey), Rengin Demir, Gülfer Okumu, Serdar Küçükolu, Gök en Kuran Aslan

The Post-Embolic Syndrome: Right Ventricular Post-injury Dysfunction?

Cristina Sanchez Vieco (Vitoria-Gasteiz, Spain), Jose Luis Lobo-Beristain, Ángel Alonso-Gómez, Agustina Rivas-Guerrero, Julia Amaranta Garcia-Fuertes, Raquel Cobos-Campos, Remedios Otero-Candelera, Grupo Osiris

Effects of suramin on cardiopulmonary capacity and pulmonary venous contraction in pulmonary arterial hypertension

Marisol Barros (Santiago, Chile), Marcelo Fonseca, Rodrigo Torres-Castro, Mauricio Henriquez

12:50 - 14:40

Thematic poster: Idiopathic interstitial pneumonias other than idiopathic pulmonary fibrosis (IPF)

Disease(s) : [Interstitial lung diseases](#) [Respiratory critical care](#)

Method(s) : General respiratory patient care Epidemiology Public health Endoscopy and interventional pulmonology Imaging Cell and molecular biology Physiology Transplantation

Chairs : Tiago Alfaro (Coimbra, Portugal), Martina Vasakova (Praha 4, Czech Republic), Julie Morisset (Montréal (QC), Canada), Chair to be confirmed

Clinical Analysis of Pathologically Diagnosed Cryptogenic Organizing Pneumonia: A 14-year Retrospective Analysis of 176 COP Patients.

Yuan Zhang (Shanghai, China), Nan Li, Huiping Li, Yang Hu, QiuHong Li, Ying Zhou, Li Shen, Fen Zhang, Yiliang Su, Dong Weng

Clinical characteristics of familial Idiopathic Pulmonary Fibrosis (f-IPF) at the University of Giessen Marburg Lung Center.

Ekaterina Krauss (Giessen, Germany), Godja Von Gehrken, Sabine Heinemann, Werner Seeger, Andreas Guenther

Idiopathic interstitial pneumonias: Distinct Characteristics

Rana Fessi (tunis, Tunisia), Besma Ourari, Jihen Ben Amar, Haifa Zaibi, Salwa Azzabi, Mohamed Ali Baccar, Hichem Aouina

TERT/TERC mutations in a Greek cohort of suspected genetic pulmonary fibrosis patients

Effrosyni D. Manali (Athens, Greece), Caroline Kannengiesser, Lykourgos Kolilekas, Ioanna Korbila, Georgia Papadaki, Maria Kallieri, Paschalina Giouleka, Andriana I. Papaioannou, Ioannis P. Tomos, Eleni Stagaki, Anastasia Papaportfyriou, Anna Karakatsani, Stylianos Loukides, Konstantinos Kagouridis, Vasileios Tzilas, Argiris Tzouvelekis, Evangelos Bouros, Katerina Antoniou, Athina Trachalaki, Aikaterini Markopoulou, Zoe Daniil, Evangelia Fouka, Despoina Papakosta, Areti Xyfteri, Athina Gogali, Athanasios Konstantinidis, Paschalis Steiropoulos, Ilias C. Papanikolaou, Chrysa Bazaka, Aggeliki Charitou, Maria Maniati, Panagiotis Lyberopoulos, Katerina Vlami, Thomas Raptakis, Patrick Revy, Mina Gaga, Philippe Dieude, Nadia Nathan, Raphael Borie, Catherine Boileau, Demosthenes Bouros, Bruno Crestani, Spyros Papiris,

Correlation between pulmonary function tests and HRCT indexes in Idiopathic Pulmonary Fibrosis (IPF) patients

Sebastiano Emanuele Torrisi (Acireale (CT), Italy), Stefano Palmucci, Roberta Rosso, Matteo Schisano, Mauro Pavone, Ada Vancheri, Giuseppina Sardo, Rosalba Iudica, Carlo Vancheri

Prognosis of pulmonary fibrosis with usual interstitial pneumonia pattern in myeloperoxidase anti-neutrophil cytoplasmic autoantibody-related nephritis

Toshikazu Watanabe (Toyoake, Japan), Tomoyuki Minezawa, Yasuhiro Goto, Takuya Okamura, Yosuke Sakakibara, Yoshikazu Niwa, Masamichi Hayashi, Midori Hasegawa, Kazuyoshi Imaizumi

Comparison of clinical characteristics and prognosis in patients with idiopathic pulmonary upper lobe predominant pulmonary fibrosis and idiopathic pulmonary fibrosis

Hirotsugu Ohkubo (Nagoya, Japan), Kensuke Fukumitsu, Satoshi Fukuda, Yoshihiro Kanemitsu, Masaya Takemura, Ken Maeno, Yutaka Ito, Akio Niimi

Telomere length in fibrotic groups of Interstitial Lung Diseases

Ioannis Tomos (Athens (Alimos), Greece), Anna Karakatsani, Effrosyni Manali, Cristine Kottaridi, Aris Spathis, Ioanna Korbila, Likurgos Kolilekas, Konstantinos Kagouridis, Periklis Foukas, Spyros Papiris

Macrolides as a potential treatment in organizing pneumonia

Andreia Filipa Fonseca Carriço (Guarda, Portugal), António Morais, Natália Melo, Patrícia Caetano Mota, Susana Guimarães, Conceição Souto Moura, José Miguel Pereira

Lymphocytes in bronchoalveolar lavage fluid might be useful for predicting the prognosis, even in the stable phase of nonspecific interstitial pneumonia

Yukiko Takeno (Yufu, Japan), Kenji Umeki, Kosaku Komiya, Yuko Usagawa, Mari Yamasue, Shin-Ichi Nureki, Masaru Ando, Kazufumi Hiramatsu, Jun-Ichi Kadota

Evaluation of the 4-meter gait speed (4mGS) in patients with interstitial pneumonia: a prospective observational study.

Ryosuke Hirabayashi (Kobe, Japan), Yusuke Takahashi, Kyosuke Wakata, Kazuma Nagata, Kazutaka Hosoya, Hayato Kawachi, Ryobu Mori, Munehiro Ito, Mariko Kogo, Daichi Fujimoto, Atsushi Nakagawa, Ryo Tachikawa, Kojiro Otsuka, Keisuke Tomii

Diagnostic contribution of EBUS in Interstitial Lung Disease (excluding Sarcoidosis)

Warda Khamis (Rosny-Sous-Bois, France), Damien Basille, Jean-François Bernaudin, Julie Morvan, Michael Soussan, Marianne Auquier, Kim-Anastasia Levand, Pierre-Yves Brillet, Eline Magois, Charles Dayen, Youcef Douadi, Dominique Valeyre, Vincent Jounieaux, Hilario Nunes, Olivia Freynet

Histological patterns of resected lung after lung transplant in patients with interstitial lung diseases

Tiago Soares Oliveira Sá (Lisboa, Portugal), Vânia Caldeira, Sara Silva, Nidia Caires, Rita Carvalho, Ricardo Coelho, Alexandra Borba, Eugénia Pinto, Paulo Calvino, Luisa Semedo, João Cardoso, José Fragata

Prognostic significance of autoantibodies for idiopathic pulmonary fibrosis: a systematic review and meta-analysis

Hiroyuki Kamiya (Perth (WA), Australia), Ogee Panlaqui

Serum progranulin levels in idiopathic pulmonary fibrosis and other interstitial lung diseases

Noémi Eszes (Budapest, Hungary), Péter Horváth, Felix Klinger, Ádám Tárnoki, Dávid Tárnoki, Veronika Müller, Anikó Bohács

Nailfold capillaroscopy findings in ILD patients: results from a single centre investigation.

Felix Kühner (Ilshofen, Germany), Oliver Sander, Eda Börner, Thomas Wessendorf, Ulrich Costabel, Francesco Bonella

Impact of an interstitial lung diseases Nurse on the compliance to anti-fibrotic drugs in patients with Idiopathic Pulmonary Fibrosis.

Onofre Moran Mendoza (Kingston (ON), Canada), Sharina Aldhaferi, Lynda Mccarthy

Antifibrotic choice in idiopathic pulmonary fibrosis

Conal Hayton (Manchester (Greater Manchester), United Kingdom), Helen Morris, Tracey Marshall, Katie Zakis, Theresa Garfoot, Pilar Rivera Ortega, Melanie Greaves, Colm Leonard, Nazia Chaudhuri

Predictor factors of mortality in patients with idiopathic pulmonary fibrosis

Aysegül Akçeli ahin (Istanbul, Turkey), Zuleyha Bingol, Zeki Kilicaslan, Tulin Cagatay, Gulfer Okumus

Composite Physiological Index as predictor of mortality by using IPF-GAP model

Abhishek Gupta (Ajmer (Rajasthan), India), Neeraj Gupta, Ramakant Dixit

12:50 - 14:40

Thematic poster: Diagnostics including questionnaires**Disease(s) :** Sleep and breathing disorders**Method(s) :** Public health General respiratory patient care Surgery Epidemiology Physiology**Chairs :** Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Simon Dominik Herkenrath (Köln, Germany), Sophia E. Schiza (Heraklion, Greece), Ingo Fietze (Berlin, Germany)

ONE SIZE DOES NOT FIT ALL: SCREENING SCORES AND POLYSOMNOGRAPHY PROFILES OF TWO ETHNICALLY VARIED POPULATIONS

Ravi Chandra Malapaka (Bangalore (Karnataka), India), Murali Mohan, Archita Joshi Bhatt, Deepesh Vaidya, V M Annapandian

Correlation between diurnal symptoms (Excessive Daytime Sleepiness) and nocturnal symptoms (Nocturia) in patients with Obstructive Sleep Apnoea

Teresa Diaz De Teran Lopez (Santander, Spain), Kimberley Lee, Sandra Tello Mena, Fabiola Escobar Ramirez, Marta Cabello Najera, Carlos Queipo Corona, Marian Martinez Martinez, María Martin Garcia, Olga Cantalejo Martin, Felix De Carlos Villafranca, Emilio Macias Escalada, Pedro Muñoz Cacho, Monica Gonzalez Martinez

Respiratory events during stable wake in sleep apnea patients: occurrence and mechanism.

Pierre J. Escourrou (Clamart CEDEX, France), Marie Brandewinder, Christian Berthomier, Pierre Berthomier, Guillaume Baffet, Zouheir Balekji, Nathalie Puisais, Gabriel Roisman

Multifactorial determinants of sleepiness and missing accident at wheel in OSA patients

Francesco Fanfulla (Pavia (PV), Italy), Elisa Morrone, Irene Risi, Nadia D'Artavilla Lupo, Aleksandar Prpa, Rossella Trentin, Caterina Pronzato

Self Reported Sleepiness At The Wheel Versus Apnea Hypopnea Index To Predict Sleep Related Accidental Risk Of Patients Suspected Obstructive Sleep Apnea Syndrome

Pierre Philip (Bordeaux, France), Sebastien Bailly, Meriem Benmerad, Jean-Arthur Micoulaud-Franchi, Yves Grillet, Marc Sapene, Renaud Tamisier, Jean-Louis Pepin

Recognizing patients with sleepapnoea in primary care; a major challenge

Elske Luiten (Enschede, Netherlands), Bart Dikkeboer, Marjolein Brusse-Keizer, Michiel Eijsvogel

Comparison of three clinical screening questionnaires for Sleep Apnea Syndrome (SAS) in Primary Care (PC)

Patricia Peñacoba (Barcelona, Spain), M^a Antonia Llauger, Rosa M^a Miralda, Leandra Domínguez, Ana M^a Fortuna, Anna M^a Pedro, Pepi Valverde, Jose Ignacio Aoiz, Joan Bayó, Núria Argemí, Casimira Medrano, Marineus Puig, Joan Juvanteny, Montserrat Reverté, Xavier Flor, M^a Angeles Santos, M^a Del Mar Fraga, Carme Santiveri, Gabriel Sampol, Patricia Lloberes, Núria Grau, Vicente Plaza, Mercè Mayos

Comparison of three questionnaires for screening obstructive sleep apnea syndrome

Hana BLIBECH (Tunis, Tunisia), Ferdaous Yangui, Imen Kharrat, Hana Mrassi, Maher Abouda, Mohamed Ridha Charfi

Sleep apnea screening questionnaires in patients with type 2 diabetes.

Athanasia Pataka (Thessaloniki, Greece), Seraphim Kotoulas, George Kalamaras, Evangelia Panagiotidou, Vaggelis Chatzopoulos, Katalin Fekete, Paraskevi Argyropoulou

Comparison of different questionnaires to identify risk for obstructive sleep apnea in Indian population

Mani Tiwari (Allahabad (Uttar Pradesh), India), Raj Kumar

DES-OSA PLUS- a validation study and improvement of the score

Ben Fox (, Israel), Reudor Grinberg, Itzhack Shpirer

External validation of a model predicting the risk of adult obstructive sleep apnea

Moussa Riachy (Beyrouth, Lebanon), Fadi Farah, Romy Younan, Ihab Ibrahim, Georges Juvelikian

Development and validation of a screening algorithm for perioperative risk of complications in patients suspected with OSA.

Vladimir Macavei (London, United Kingdom), Adil Hasnain, Dan King, Otto Mohr, Jelka Mitic, Terry O'Shaughnessy

Evaluation of the pretest probability of severe OSA in a bariatric population

Gabriel Roisman (Clamart, France), Michel Petitjean, Denis Chemla, Claire Colas Des Francs

Obstructive sleep apnea and levels of physical activity and its association with elevated cardiovascular risk in chilean adults

Juan Carrillo (Santiago, Chile), Sandra Mahecha-Matsudo, Guillermo Droppelmann, Maria Belen Fernandez, Fernando Yanez, Patricia Fernandez, Ariel Cisternas

Obstructive Sleep Apnea severity and lung function

Maria Alvarenga Santos (Lisboa, Portugal), Margarida Aguiar, Vânia Sacramento, Sílvia Rodrigues, Sofia Furtado

Spirometric alterations in patients studied for suspected sleep-disordered breathing

Maria Del Carmen Fernandez Criado (Sevilla, Spain), Antonio Javier Cruz Medina, Cristina Carrasco Carrasco, Javier Díez Sierra, Francisco Campos Rodriguez

The effect of unilateral forced nostril breathing on sleep physiology

Elif Yilmazel Uçar (Erzurum, Turkey), Deniz Ozturk, Omer Araz, Metin Akgun

Suprasternal pressure recording and respiratory inductance plethysmography for respiratory effort evaluation in patients with sleep-disordered breathing

Martin Glos (Berlin, Germany), Abdelkebir Sabil, Katharina Jelavic, Christoph Schöbel, Ingo Fietze, Thomas Penzel

Diagnosing sleep disorders: a continued argument for overnight oximetry

Javed Ibrahim (Walsall (West Midlands), United Kingdom), A Ali, Z Khan, M Radzali, A Makan, E Crawford, N Ahmad, K Srinivasan, H Moudgil

12:50 - 14:40

Thematic poster: New tools for managing respiratory failure**Disease(s) :** Respiratory critical care Airway diseases Sleep and breathing disorders Respiratory infections**Method(s) :** General respiratory patient care Respiratory intensive care Endoscopy and interventional pulmonology Physiology**Chairs :** Dominic Dellweg (Schmallenberg Grafschaft, Germany), Lara Pisani (Bologna (BO), Italy), Lieuwe Bos (Amsterdam, Netherlands), Chair to be confirmed**High-flow nasal cannula therapy has the effectiveness for acute respiratory failure including hypercapnic status: a single-centered retrospective study.**

Yuki Nakamura (Matsusaka City, Mie Prefecture, Japan), Osamu Hataji, Yuta Suzuki, Haruko Saiki, Kentarou Itop, Yoichi Nishii, Gabazza Esteban Cesar

Noninvasive ventilation compared to Albuterol in respiratory mechanics and lung function of asthmatics after bronchoprovocation. Randomized cross-over trial.

Evelim Gomes (São Paulo (SP), Brazil), Maisi David, Adriana Santos, Aldenice Magalhaes, Viviane Alves, Dirceu Costa

High flow nasal cannula: influence of gas type and flow rate on positive airway pressure and CO2 clearance in adult nasal airway replicas

Charles Moore (Edmonton (AB), Canada), Ira Katz, Marine Pichelin, Georges Caillibotte, Warren Finlay, Andrew Martin

An audit of Non-invasive ventilation (NIV) in practice and introduction of an integrated care pathway for the management of acute ventilatory failure in an Irish Hospital.

Ciara Gough (Dublin, Ireland), Catherine McGeoghegan, Deirdre Long, Dorothy Ryan

Clinical significance of episodic nocturnal hypercapnia and its treatment with non-invasive positive pressure ventilation in patients with stable advanced chronic obstructive pulmonary disease

Takamasa Kitajima (Osaka, Japan), Satoshi Marumo, Reina Hara, Aya Watanabe, Haruna Yamaki, Hiroshi Shima, Masahiro Shirata, Daiki Inoue, Yuko Katayama, Ryo Itotani, Motonari Fukui

Survival and decision making for tracheotomy in ALS

Natalia Pascual Martinez (Cordoba, Spain), Silvia Martin Bueno, Ana Palomares Muriana, Francisca Montoro Ballesteros, Nuria Feu Collado, Bernabe Jurado Gamez

Evaluation of Low Tidal Volume during General Anesthesia in Prone Position on Respiratory Functions

Mohamed Shahat Badawy (Luxor, Egypt), Ahmed El Saeed, Osama Hamdy, Ahmad Yousef, Marwa Hamed

Comparison between NIV and IMV in young people with neuromuscular diseases in age to transition to adult care.

Alessandro Onofri (Roma (RM), Italy), Martino Pavone, Elisabetta Verrillo, Maria Beatrice Chiarini Testa, Serena Caggiano, Virginia Mirra, Claudio Cherchi, Renato Cutrera

DIFFERENCES BETWEEN PATIENTS WITH INVASIVE, NON INVASIVE VENTILATION and BOTH

Ana Roca Noval (Madrid, Spain), Beatriz Aldave, Tamara Alonso Pérez, Marta Erro Iribarren, Pedro Landete, Enrique Zamora García, Julio Ancochea Bermúdez

Comparative study between functional and endoscopic indicators for Percutaneous endoscopic gastrostomy (PEG) in ALS.

Bebiana Da Conceição Fernandes Palheiros Conde (Vila Real, Portugal), Maria Brandão, Sara Raimundo, Rafael Noya, Joao Carlos Winck

Effect of nebuliser position on aerosol performance during high flow nasal therapy

Gavin Bennett (Galway, Ireland), Mary Joyce, Louise Sweeney, Ronan MacLoughlin

Cough-augmentation techniques in patients with neuromuscular disease and non-invasive ventilation

Roberto Vera Uribe (Santiago, Chile), Rodrigo Torres-Castro, Luis Vasconcello, Marisol Barros-Poblete, Javiera Rosales-Fuentes, Gregory Villarroel, Raul Valenzuela, Paola Pontoni, Rebeca Paiva R.

Domiciliary heated high flow cannula therapy delivered with CPAP devices in children

Mirella Gaboli (Sevilla, Spain), Carmen Cabrera Carro, Isabel Delgado Pecellin, María Jose Moreno Valero, Macarena Borrero Rodríguez, Alejandro Palomo Pavón, María Dolores Garrido López-Cepero

Percutaneous endoscopic gastrostomy insertion in neuromuscular disease patients on home mechanical ventilation

Angela Reddy (London, United Kingdom), Simon Anderson, Lindsay Arrandale, Jason Dunn, Philip Marino, Patrick B. Murphy, Ikram Nasr, Michelle Ramsay, Joerg Steier, Eui-Sik Suh, Huw Thomas, Nicholas Hart, Georgios Kaltsakas

Trigger asynchronies induced by the introduction of external gas into the circuit in non-invasive ventilation: a bench study

Cristina Lalmolda Puyol (Barcelona, Spain), Roberto Larrosa, Manel Luján, Javier Sayas

High flow nasal cannula in patients not suitable for invasive ventilation – are we missing an opportunity for palliative care?

Hazel Morrison (Bridgwater (Somerset), United Kingdom), Georgina Mynott, Robin Jones, Rebecca Hall, Jemima Robinson

Non-invasive ventilation as a first-line treatment for malaria patients with pulmonary dysfunction: A feature of respiratory therapy.

(,), Anselmo Costa E Silva, Leonardo Figueiroa, Ana Pascoal, Jurema Real, Ernesto Antonio

High Flow nasal OXYgen therapy in high risk patients of hypoxia undergoing diagnostic BRONCHOScopy (HiFOXy-BRONCHO):a prospective, randomized, controlled study

Young-Jae Cho (Seongnam, Republic of Korea), Youlim Kim, Jisoo Park, Eun Sun Kim, Sang Hoon Lee, Yeon Joo Lee, Jong Sun Park, Ho Il Yoon, Jae Ho Lee, Choon-Taek Lee

Efficacy of mechanical insufflation-exhalation therapy in patients with neuromuscular disease

Sagrario Mayoralas Alises (Colmenar Viejo (Madrid), Spain), A Castaño, A Hernandez Voth, N Pizarro, C Caneiras, S Díaz-Lobato

UTILITY OF THE HIGH FLOW WITH NASAL CANNULA IN THE DECANULATION OF TRAQUEOTOMIZED PATIENTS DURING AN EPISODE OF ACUTE RESPIRATORY INSUFFICIENCY.

Salvador Diaz Lobato (Colmenar Viejo (Madrid), Spain), Sagrario Mayoralas Alises, Jose Manuel Carratalá Perales, Ana Jaureguizar Oriol, Edwin Mercedes Noboa, Francisco León Román

12:50 - 14:40

Thematic poster: Pulmonary hypertension: therapy

Disease(s) : Pulmonary vascular diseases

Method(s) : General respiratory patient care Epidemiology Imaging Physiology Surgery Cell and molecular biology Transplantation

Chairs : Zhi-Cheng Jing (Beijing, China), Jason Weatherald (Calgary (AB), Canada)

Pharmacokinetic (PK) interaction of fixed-dose combination (FDC) antiretrovirals (ARV) with riociguat (rio)

Soundos Saleh (Wuppertal, Germany), Edwin Dejesus, Dorina Van Der Mey, Corina Becker, Reiner Frey, Sigrun Unger, Wolfgang Mueck

Clinical pharmacokinetic (PK) performance of a ralinepag extended-release (XR) tablet

John Grundy (San Diego, United States of America), Anthony Blackburn, Ed Parsley, Yong Tang, Christopher King, John Adams

Inhaled liposomal iloprost shows high drug encapsulation, extended release profile and potentials of improving patient compliance

Pei Kan (Taipei, Taiwan), Ko-Jie Chen, Chin-Feng Hsu, Yi-Fong Lin

Acute response of iloprost inhalation using the BreeLib nebulizer in pulmonary arterial hypertension: the BreeLib acute study

Manuel Jonas Richter (Gießen, Germany), Jens Axmann, Ardeschir Ghofrani, Andreas Rieth, Werner Seeger, Khodr Tello, Henning Gall

Morphine for chronic breathlessness in pulmonary arterial hypertension – a phase II feasibility, placebo-controlled, crossover study

Diana Ferreira (Lisbon, Portugal), Magnus Ekstrom, Dimitar Sajkov, Zac Vandersman, Brian Le, David Currow, Faculty of Medicine, University of Patras,,Rio), Vasileios Armenis (vasilisarmenis91@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Kristina A M Arendt (kristina.arendt@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Mario Pepe (mario.pepe@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Laura V Klotz (laura.klotz@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Magda Spella (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Giannoula Ntaliarda (ntaliarda@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Maria Oplopoiou (moplopoiou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Katerina Kauka (katerinakauka2@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,,Rio), Dieter Jenne (dieter.jenne@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Georgios T Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich)

Urocortin-2 improves right ventricular function and attenuates experimental pulmonary arterial hypertension

Rui Miguel Costa Adão (Oliveira de Azeméis, Portugal), Pedro Mendes-Ferreira, Diana Santos-Ribeiro, Carolina Maia-Rocha, Luís Pimentel, Cláudia Pinto, Eamon P. Mulvaney, Helen M. Reid, B. Therese Kinsella, François Potus, Sandra Breuils-Bonnet, Miriam T. Rademaker, Steeve Provencher, Sebastián Bonnet, Adelino Leite-Moreira, Carmen Brás-Silva

Effects on Right Ventricular size and function by Riociguat in Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension (The RIVER Study)

Satenik Harutyunova (Heidelberg, Germany), Alberto Maria Marra, Nicola Benjamin, Christina Eichstaedt, Benjamin Egenlauf, Christine Fischer, Henning Gall, Hossein Ardeschir Ghofrani, Michael Halank, Marius Hooper, Tobias Lange, Karen Olsson, Ekkehard Grünig

Interim analysis of pulmonary arterial hypertension (PAH)-targeted background therapy in SPHERE (SelexiPag: tHe usErS dRug rEgistry)

Vallerie McLaughlin (Ann Arbor, MI, United States of America), Kelly Chin, Harrison Farber, Kristin Highland, Anna Hemnes, Murali Chakinala, Carol Zhao, Mike Keating, Nick H. Kim

Impact of treatment strategy in survival of patients with idiopathic pulmonary arterial hypertension. Real world evidence from Spanish National Pulmonary Hypertension Registry (REHAP)

Ana Jaureguizar Oriol (Madrid, Spain), Esther Barbero Herranz, Carlos Andrés Quezada Loaiza, Deisy Barrios Barreto, Antonio Román Broto, Javier Segovia Cubero, Teresa Elías Hernández, Sergio Cadenas Menéndez, Pedro Bedate Díaz, Isabel Blanco Vich, Pilar Escribano Subías

Switching to macitentan in pulmonary arterial hypertension

Iraklis Tsagkaris (Athens, Greece), Eleni Vrigkou, Dimitris Konstantonis, Frantzeska Frantzeskaki, Athanasios Pappas, Konstantina Ntai, Eleni Stagaki, Apostolos Armaganidis, Stylianos Orfanos

A single-centre, placebo-controlled, double-blinded, randomized, cross-over study of Iloprost in patients with Eisenmenger syndrome

Heba Nashat (London, United Kingdom), Carl Harries, Lisa Parfitt, Emily Shaw, Aleksander Kempny, Laura C Price, Michael A Gatzoulis, Konstantinos Dimopoulos, Stephen J Wort

Differences in the activity of the angiotensin converting enzyme 2 axis in patients with idiopathic pulmonary arterial hypertension and congenital heart defect related pulmonary hypertension

Ricardo Teijeiro Paradis (Mexico City, Mexico), Julio Sandoval Zarate, Tomas Pulido Zamudio, Nayeli Zayas Hernadnez

Cough and airway irritation with inhaled treprostinil does not involve activation of laryngeal reflexes.

Richard W. Chapman (Bridgewater, United States of America), Walter R. Perkins, Vladimir Malinin, Donna M. Konicek, Adam J. Plaunt, Zhili Li, Helena Gauani, Annie Bouchard, Sandra Gagnon, Lisa Turcotte, Charles-E Laurent, Dany Salvail, Michel R. Corboz

Acute hemodynamic effects of riociguat in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension

Manuel Jonas Richter (Gießen, Germany), Adrian Kambakamba, Khodr Tello, Jens Axmann, Henning Gall, Ardeschir Ghofrani, Stefan Guth, Christoph Wiedenroth

Efficacy and safety of tadalafil in portopulmonary hypertension

Mitja Jevnikar (Paris, France), Nathan Ebstein, Xavier Jais, Athenais Boucly, David Montani, Marc Humbert, Olivier Sitbon, Laurent Savale

The effects of a 10-weeks-pulmonary rehabilitation program on exercise performance, muscle strength and quality of life in patients with pulmonary hypertension.

Thomas Koudstaal (Rotterdam, Netherlands), Monique Wapenaar, Dirk Van Rans, Ruud Beesems, Leon Van Den Toorn, Karin Boomars

Clinical efficacy of Macitentan in patients with Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension

Heba Nashat (London, United Kingdom), Rosa Da Costa, Joanna Barbosa, Carl Harries, Aleksander Kempny, Laura C Price, Colm McCabe, Michael A Gatzoulis, Konstantinos Dimopoulos, Stephen J Wort

Initial dual oral combination therapy in inoperable chronic thromboembolic pulmonary hypertension (CTEPH)

Michael Gabrielly (Paris, France), Delphine Bourlier, Yu Taniguchi, Mitja Jevnikar, Ayumi Sekine, Athénaïs Boucly, Etienne-Marie Jutant, Florence Parent, Laurent Savale, David Montani, Gerald Simonneau, Marc Humbert, Olivier Sitbon, Xavier Jais

Safety of riociguat for chronic thromboembolic pulmonary hypertension (CTEPH): Interim data from a prospective non-interventional study in Japan

Nobuhiro Tanabe (Chiba City, Japan), Takeshi Ogo, Masaru Hatano, Yoichi Tazaki, Toshiyuki Sunaya, Akira Saikawa, Toshiaki Sakaguchi

Effects of sildenafil as a bridge therapy for pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension

Shigefumi Fukui (Osaka, Japan), Massimiliano Palazzini, Enrico Gotti, Davide Pacini, Sofia Suarez, Takeshi Ogo, Satoshi Yasuda, Alessandra Manes, Norifumi Nakanishi, Nazzareno Galié

12:50 - 14:40

Thematic poster: Clinical aspects of hypersensitivity pneumonitis (HP) and CTD-ILD: diagnosis, monitoring and treatment

Disease(s) : Interstitial lung diseases Respiratory infections Airway diseases Thoracic oncology

Method(s) : Physiology General respiratory patient care Epidemiology Imaging Surgery Endoscopy and interventional pulmonology

Chairs : John Mackintosh (Brisbane (QLD), Australia), Maria Kokosi (London, United Kingdom), Yurdagül Uzunhan (Bobigny, France), Dina Visca (Mantova (MN), Italy)

LSC - 2018 - In vivo models of Drug Induced ILD; tools to study and improve drug safety

Irma Mahmutovic Persson (Lund, Sweden), Hanna Falk Håkansson (hanna@trulylabs.com / Truly Labs AB, Medicon Village, Lund), Per-Ola Önnervik (per-ola@trulylabs.com / Truly Labs AB, Medicon Village, Lund), Janne Persson (janne@trulylabs.com / Truly Labs AB, Medicon Village, Lund), Lars E. Olsson (lars.e_olsson@med.lu.se / Department of Translational Medicine, Medical Radiation Physics, Lund University, Malmö Sweden, Malmö), Karin Von Wachenfeldt (karin@trulylabs.com / Truly Labs AB, Medicon Village, Lund)

Association between 4-metre gait speed and isometric knee extension muscle strength in patients with interstitial lung disease

Kenji Nemoto (Ibaraki, Japan), Shuji Oh-Ishi, Yuki Yabuuchi, Mizu Nonaka, Hitomi Goto, Naoki Arai, Yuika Sasatani, Hiroaki Tachi, Tatsuya Akiyama, Hiroaki Ishikawa, Kentaro Hyodo, Yukiko Miura, Isano Hase, Kenji Hayashihara, Takefumi Saito, Shima Fukai

Factors predicting response to azathioprine in chronic hypersensitivity pneumonitis – the importance of BAL lymphocytosis

Sara Raimundo (Vila Real, Portugal), Natália Melo, Patrícia Mota, Susana Guimarães, Conceição Souto Moura, Rui Cunha, José Miguel Pereira, António Moraes

Parasympathetic Nervous System withdrawal in patients with Interstitial Lung Disease but not in COPD patients

Katya Rigatto (Porto Alegre (RS), Brazil), Ana Amélia Machado Duarte, Cristiano Mostarda, Paulo José Zimmermann Teixeira

Acute exacerbation of ILD: an Indian tertiary centre experience

Jai Mullerpattan (Mumbai (Maharashtra), India), Pankti Sheth, Aditi Joshi, Zarir Udwadia

What does bronchoalveolar lavage add to cryobiopsy in interstitial lung disease?

Candela Serra (Barcelona, Spain), Paloma Millan Billi, Virginia Pajares Ruiz, Tomás Franquet Casas, Laura López Vilaró, Cristina Burrell Deicke, Ana María Alonso León, Alfons Torrego Fernandez, Diego Castillo Villegas

Usefulness of pulsed cyclophosphamide in Interstitial Lung Disease (ILD)

Chia Wei Kong (SOUTHAMPTON (Hampshire), United Kingdom), Oluwatobi Adeagbo, Robert Hooper, Vanessa Titmuss, Suresh Babu

Interstitial lung diseases misdiagnosis: a Healthcare Improvement Science (HIS) approach

Radu Adrian Crisan-Dabija (Iasi, Romania), Traian Mihaescu

CORRELATION BETWEEN LUNG AND JOINT INVOLVEMENT IN PATIENTS WITH RHEUMATOID ARTHRITIS AND INTERSTITIAL LUNG DISEASE: CROSS SECTIONAL STUDY

Francisco Paulin (Ciudad Autónoma Buenos Aires, Argentina), María Laura Alberti, Fabian Matias Caro, Martin Fernandez, Juan Francisco Mercado, Leandro Fassola

Positive correlation between sympathetic modulation and peace in patients with interstitial lung disease

Katya Rigatto (Porto Alegre (RS), Brazil), Ana Amélia Machado Duarte, Cristiano Mostarda, Guilherme Watte, Giancarlo Lucchetti, Paulo José Zimmermann Teixeira

Connective tissue disease-related interstitial lung disease and lung cancer

Maria Alvarenga Santos (Lisboa, Portugal), Susana Clemente, Margarida Felizardo, Sofia Furtado

Joint Rheumatology and Chest Clinic in a District General Hospital

Namrata Kewalramani (Mumbai (Maharashtra), India), Ayhan Umar, Gladston Chelliah, Ashish Abdul

An audio-imaging approach to measure the degree of severity of patients suffering from DPLD disease

Ashok Mondal (Mangalore (Karnataka), India), Poulami Banerjee

A case of diffuse alveolar hemorrhage after illegal vaginal injection of hyaluronic acid

Seung Hyeon Lee (Seoul, Republic of Korea), Min Hye Kang, Jung Mi Lee, Seoung Woo Han, Jae Joon Hwang, Yong Suk Jo, Cheon Woong Choi, Myung Jae Park

Surgical biopsy results of our patients with diffuse parenchymal lung diseases

Gulfer Okumus (Istanbul, Turkey), Berker Ozkan, Zuleyha Bingol, Melike Ulker, Berivan Karatekin, Esen Kiyan, Zeki Kilicaslan, Murat Kara, Dilek Y Lmazbayhan, Alper Toker

Autoimmunity in Interstitial lung diseases: preliminary data from a tertiary center.

Emanuele Vivarelli (Florence, Italy), Gianfranco Vitiello, Francesco Tinghi, Danilo Malandrino, Boaz Palterer, Elena Torricelli, Elena Bargagli, Elisabetta Rosi, Paola Parronchi

Revisiting the diagnostic approach of Hypersensitivity Pneumonitis

Ana Luisa Fernandes (Matosinhos, Portugal), Jorge Ferreira, Inês Neves

Pirfenidone as a treatment for asbestos-related lung fibrosis? A retrospective case series

Franziska Rytz (Bern, Switzerland), Alexander Poellinger, Sabina Berezowska, Thomas Geiser, Manuela Funke-Chambour

Interventions to improve symptom control and quality of life in patients with interstitial lung disease: a systematic review and meta-analysis

Sabrina Bajwah (London, United Kingdom), Jill Colquitt, Emma Loveman, Claudia Bausewein, Howard Almond, Adejoke Oluyase, Athol Wells

Clinical features of dermatitis, myositis and severe ILD. Could the AntiSSA / Ro52 antibodies be a diagnostic and prognostic tool for Antisyntatase syndrom?

Paraskevi Kavoura (Athens, Greece), Apostolos Frimas, Prokopis Kithreotis, Christos Bagos, Stefanos Kanellas, Dimitrios Veldekis

12:50 - 14:40

Thematic poster: Moving lung transplantation forward

Disease(s) : Respiratory infections | Interstitial lung diseases | Respiratory critical care | Thoracic oncology | Airway diseases | Pulmonary vascular diseases

Method(s) : General respiratory patient care | Transplantation | Cell and molecular biology | Physiology | Respiratory intensive care | Endoscopy and interventional pulmonology

Chairs : Are Martin Holm (Oslo, Norway), Cécile Robinson (Zürich, Switzerland), James Laurence Lordan (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Federica Meloni (Pavia (PV), Italy)

LSC - 2018 - Development of a hybrid alginate-ECM hydrogel as a potential bioink for 3D bioprinting

Darcy Wagner (Lund, Sweden), Martina De Santis, Chiharu Ota (chipaota@gmail.com / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Rita Costa (rita.costa@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Ali Doryab (ali.doryab@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Hani N. Alsafadi (hani.alsafadi@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), Helmholtz Zentrum Munich, Munich), Deniz Bolukbas (deniz.bolukbas@med.lu.se / Department of Experimental Medical Sciences, Lund University, Lund), Melanie Konigshoff (MELANIE.KOENIGSHOFF@UCDENVER.EDU / Department of Medicine, University of Colorado, Denver), Darcy E. Wagner (darcy.wagner@med.lu.se / Department of Experimental Medical Sciences, Lund University, Lund)

LSC - 2018 - Laser-capture microdissection, mass spectrometry and immunohistochemistry reveal pathologic alterations in the extracellular matrix of transplanted lungs

Catharina Mueller (Lund, Sweden), Emma Ahrman (emma.ahrman@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science and Division of Infection Medicine, Department of Clinical Sciences, Lund University, Lund), Leif T. Eriksson (leif.eriksson@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science, Lund University and Department of Respiratory Medicine and Allergology, Lund University Hospital, Lund), Katharina Wassilew (katharina.wassilew@regionh.dk / Department of Pathology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Hans H. Schultz (Hans.Henrik.Lawaetz.Schultz.01@regionh.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Hans Brunnstroem (hans.brunnstrom@med.lu.se / Department of Clinical Sciences in Lund, Division of Oncology and Pathology, Lund University and Department of Genetics and Pathology, Division of Laboratory Medicine, Region Skåne, Lund), Michael Perch (Michael.perch@regionh.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Martin Iversen (martin@iversen-net.dk / Section for Lung Transplantation, Department of Cardiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen), Johan Malmstroem (johan.malmstrom@med.lu.se / Division of Infection Medicine, Department of Clinical Sciences Lund, Lund University, Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology Unit, Department of Experimental Medical Science, Lund University, Lund)

Safety of antifibrotic drugs in idiopathic pulmonary fibrosis patients awaiting lung transplantation

Roxana Genoveva Chirinos Guevara (barcelona, Spain), Eduardo Vélez, Cristina Berastegui, Ana Villar, Eva Revilla, Helena Sintes, Berta Sáez, Manuel López Meseguer, Carles Bravo, Victor Monforte, Antonio Roman, Irene Bello, Judit Sacanell

Significant associations between Escape-avoidance coping and emotional distress in patients evaluated for lung transplant

Torunn Stavnes Søyseth (Oslo, Norway), Mary Amanda Dew, May Brit Lund, Gro Killi Haugstad, Vidar Soyseth, Ulrik Fredrik Malt

Cardiovascular Autonomic Control in Lung Transplantation Recipients

Valeria Rossetti (Milano (MI), Italy), Giulia Coti Zelati, Eleonora Tobaldini, Letizia Corinna Morlacchi, Domenica Federica Briganti, Linda Bassi, Ilaria Righi, Stefano Aliberti, Paolo Tarsia, Nicola Montano, Francesco Blasi

The diaphragm before and after lung transplant (LT)

Antonella LoMauro (Milano (MI), Italy), Andrea Aliverti, Emilia Privitera, Maurizio Vergari, Ilaria Righi, Manuela Sgroia, Davide Tosi, Valeria Rossetti, Federica Briganti, Peter Frykhol, Carla Colombo, Mario Nosotti, Alessandro Palleschi

Cardiopulmonary response to exercise after lung transplantation

Mariann Ulvestad (Oslo, Norway), Michael Thomas Durheim, May Brit Lund, Johny Kongerud, Stian Roterud, Elisabeth Edvardsen

Physical activity, physical fitness and quality of life in lung transplant recipients

Elisabeth Edvardsen (Oslo, Norway), Mariann Ulvestad, May Brit Lund, Johny Kongerud, Inger Lise Alteren, Hanne Flatsetøy, Vibeke Klungerbo, Stian Roterud, Michael T Durheim

Donor lung pathological abnormalities and recipient outcomes

Davide Piloni (Pavia, Italy), Joseph Costa, Andreacarola Urso, Andres N Gomez, Lori Shah, Hillary Y Robbins, Luke Benvenuto, Joshua R Sonett, Selim Arcasoy, Frank D'Ovidio

Bronchial stenosis, a critical complication in lung transplant: single center experience

Francesco Tarantini (Vimercate (MB), Italy), Giuseppe Ciaravino, Piercarlo Parigi, Luca Novelli, Lorenzo Corbetta

The role of pulmonary arterial wedge pressure in primary graft dysfunction

Federico B. M. Blasi (Milano (MI), Italy), Letizia Corinna Morlacchi, Valeria Rossetti, Rosa Casella, Paolo Tarsia, Mario Nosotti, Lorenzo Rosso, Paolo Mendogni, Federico Lombardi, Marco Vicenzi

Basiliximab induction reduces the incidence of acute rejection in lung transplant patients

Victor Manuel Mora Cuesta (Santander (Cantabria), Spain), David Iturbe, Laura González, Teresa Díaz, Sonia Fernández, Amaya Martínez, Ana Sangrador, Javier Gómez, Ainara Azueta, Laura Sánchez, Sara Naranjo, Carlos Álvarez, Miguel Carbajo, Roberto Mons, Rodrigo Alonso, Virginia Pérez, Alicia De Pablo, José M. Cifrián

Differential gene expression of aquaporins (AQP) in lung transplant recipients with acute lung rejection.

Dimitrios Magouliotis (Larisa, Greece), Vasiliki Tasiopoulou, Kyriakos Spiliopoulos, Konstantina Svokos, Alexis Svokos, Kalliopi Athanassiadi

Retrospective analysis of efficacy of combined CMV prophylaxis scheme: Turin Lung Transplant Center experience

Filippo Patrucco (Torino (TO), Italy), Elisa Clivati, Giulia Verri, Erika Simonato, Daniela Libertucci, Cristina Costa, Antonio Curtoni, Massimo Boffini, Mauro Rinaldi, Caterina Bucca, Paolo Solidoro

COPD and alpha-1 antitrypsin deficiency emphysema: characteristics and survival after Lung Transplantation

Sara Isabel Campos Silva (Paços de Ferreira, Portugal), Nídia Caires, Vânia Caldeira, Ricardo Dias Coelho, Ana Sofia Santos, Telma Lopes, Paulo Calvino, Luisa Semedo, João Cardoso, José Fragata

Outcomes and survival in alpha1-antitrypsin deficiency post lung transplantation

Jana Kleinerova (Dublin 8, Ireland), Lana Khorsheed, Iain Lawrie, Sara Winward, Karen Redmond, Donna Eaton, David Healy, Lars Nolke, Seyed Javadpour, Jim Egan

Evaluation of early conversion to prolonged-release tacrolimus in lung transplantation.

Marta Entrenas Castillo (, Spain), Isabel Ordoñez Dios, Francisca Montoro Ballesteros, Javier Redel Montero, Maria Jesus Cobos Ceballos, Francisco Santos Luna, Jose Manuel Vaquero Barrios

Incidence and risk factors for bronchiolitis obliterans syndrome stage 0p after lung transplantation

Sehyun Kwak (Seoul, Republic of Korea), Song Yee Kim, Ji Soo Choi, Sungwoo Moon, Juhye Shin, Ji-Eun Park, Moo Suk Park, Hyo-Chae Paik, Jin Gu Lee

Malignancies in lung transplant recipients: an update of the portuguese experience

Vania Caldeira (Azueira, Portugal), Tiago Sá, Sara Silva, Nidia Caires, Ricardo Coelho, Sara Alfarroba, Ana Sofia Santos, Luisa Semedo, Joao Cardoso, José Fragata

Experience of lung transplant consultation in a non-transplant centre

Maria Asuncion Macia Palazon (Palma De Mallorca, Spain), Antonio Román Broto, Ernest Sala Llinas, Cristina Berastegui García, Manuel López Meseguer, Jaume Saulea Roig

12:50 - 14:40

Thematic poster: Obesity: comorbidities

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Respiratory intensive care Epidemiology Physiology Public health

Chairs : Thomas Brack (Glarus, Switzerland), Alanna Hare (London, United Kingdom), Peter Coss (Dublin 8, Ireland), Chair to be confirmed

The results of OSAS patients in our clinic

Süreyya Yilmaz (Diyarbakir, Turkey), Haidce Selimoglu Sen, Mahsuk Taylan, Melike Demir, Gokhan Kirbas

Elevated levels of BMI positively correlate with increased cardiovascular risk in patients with Obstructive Sleep Apnea.

Pierluigi Carratù (Bari (BA), Italy), Gaia Corvasce, Silvano Dragonieri, Lorenzo Marra, Giorgio Castellana, Teresa Ranieri, Onofrio Resta

Ericksonian coaching for weight management in patients with OSA: A pilot study

Pavol Joppa (Košice, Slovakia), Ruzena Tkacova, Ivana Paranicova, Eva Timkova, Dagmar Vonkova

The issue of weight management in sleep apnea patients

Andrius Komarovec (Vilnius, Lithuania), Rasa Gauronskaite, Irina Liustrickyte, Vaiva Kumpauskaite, Dalia Balciene, Rolandas Zablockis, Edvardas Danila, Agne Krzivickyt, Justina Kucinskaite

Predictive factors of residual events after weight loss in Obstructive Sleep Apnea Syndrome.

Astrid Mosseray (Woluwe-St-Lambert, Belgium), Daniel Rodenstein, Gimbada Benny Mwenge

Diagnosis, follow-up and management of sleep disordered breathing in children with Osteogenesis Imperfecta

Jessica Taytard (Gradignan, France), Antoine Leotard, Marion Aouate, Michèle Boule, Véronique Forin, Pauline Lallemand-Dudek

Assesment for Sleep in Myotonic Dystrophy type 1(MD-1) patients

Sandra Pedrero Tejada (Santurtzi (Vizcaya), Spain), Borja Ortiz De Urbina Antia, Idoia Salinas Garrido, Beatriz Gonzalez Quero, Sonia Castro Quintas, Amaia Urrutia Gajate, Lorea Martinez Indart, Valentin Cabriada Nuño, Pilar Marin Fernandez

High obstructive sleep apnea risk in patients with type A aortic dissection

Xi Xin (Beijing, China), Wei Yongxiang

Body imagen, sexual function and dysfunction in men with obstructive sleep apnea syndrome

Grzegorz Brozek (Katowice, Poland), Krzysztof Nowosielski, Szymon Skoczyński, Klaudia Glinka, Karolina Ficek, Aleksandra Oraczewska, Beata Kotulska, Sylwia Waz, Adam Barczyk

Is there a link between OSA and erectile dysfunction?

Paola Gudiel Arriaza (Leon, Spain), Amparo Sánchez Serrano, Jose Luis Fernandez Sánchez

Chronic cough in patients with obstructive sleep apnea.

Aleksandra Rybka (Warszawa, Poland), Magdalena Wsik, Elbieta Grabczak, Marta D browska, Piotr Bielicki, Rafa Krenke

Prevalence of Obstructive Sleep Apnea in Idiopathic Pulmonary fibrosis

Subho Sarkar (North 24 Parganas (West Bengal), India), Chainaram Choudhary, Gopal Purohit

Association Between Swallow-Associated Respiratory Arousal and Nocturnal Gastroesophageal Reflux Occurrence in Patients with Coexisting Obstructive Sleep Apnea and Gastroesophageal Reflux Disease

Nattawat Jantarangsi (Bangkok, Thailand), Nattapong Jaimchariyatam, Sutep Gonlachanvit, Tayard Desudchit

Snoring and nocturnal gastroesophageal reflux in the ECRHS III: Association to lung function and respiratory symptoms

Össur Ingi Emilsson (Uppsala, Sweden), Shadi Amid Hägg, Deborah Jarvis, Judith Garcia-Aymerich, Thorarinn Gislason, Christer Janson, . On Behalf Of The Ecrhs Sleep Working Group

Does intraocular pressure change in response to CPAP applied in wakefulness?

Dariusz Wozniak (St Ives (Cornwall), United Kingdom), Matthew Schneiders, Rupert Bourne, Ian Smith

Obstructive Sleep Apnea in patients with Primary-Open Angle Glaucoma: prevalence and associations.

Dariusz Wozniak (St Ives (Cornwall), United Kingdom), Rupert Bourne, Gil Peretz, Jane Kean, Catherine Willshire, Shabbir Harun, Sofia Villar, Yi-Da Chiu, Ian Smith

28-day post-operative complications in elective bariatric patients with obstructive sleep apnoea

Peter Siu Pan Cho (London, United Kingdom), Paola Eiben, Joesph Patrick Hetherington, Kai K Lee

Venous vs arterial blood gases in the assessment of sleep disordered breathing in an Irish bariatric population

Johan Meurling (Dublin, Ireland), Donal O' Shea, John Garvey

Can serum bicarbonate be used to screen for sleep disordered breathing (SDB) in obese patients?

Giulia Spoletini (Leeds (West Yorkshire), United Kingdom), Julian Barth, Daniel Peckham, Dipansu Ghosh, Mark Elliott

12:50 - 14:40

Thematic poster: Lung cancer: new tools for diagnosis and patient assessment

Disease(s) : Thoracic oncology Respiratory infections

Method(s) : Imaging Endoscopy and interventional pulmonology Surgery Cell and molecular biology General respiratory patient care

Chairs : Matthew Evison (Manchester, United Kingdom), Amadea Heitmann (London, United Kingdom), Konstantinos Tzimopoulos (Athens, Greece)

Cardiopulmonary Exercise Test parameters as predictors of postoperative morbidity in lung cancer surgery

Ana Maria Fortuna Gutierrez (Barcelona, Spain), Marta Lenczewska, J.C. Trujillo Reyes, Elizabeth Martinez Tellez, Nuria Calaf Sordo, Pilar Morós Garces, M.D. Luque Toro, J. Belda Sanchis, Mercé Mayos Pérez

Preoperative evaluation of patients undergoing lung resection using cardiopulmonary exercise testing in predicting postoperative respiratory complications

Alice Tašková (Praha 84, Czech Republic), Marie Drösslerová, Vladislav Hytych, Martina Vašáková

Prognostic role of PET/CT in surgically treated pN0-1 Non-Small-Cell Lung Cancer

Irina Zemtsova (Saint Petersburg, Russian Federation), Andrey Petrov, Michael Atiukov, Marina Tlostanova, Piotr Yablonski

Incidental findings in Positron Emission Tomography - Computed Tomography for Lung Cancer Assessment

Sabrina Black (London, United Kingdom), Tom Nicholson, James Tadjkarimi, Krista Adelman, Chris Wathen

Diagnostic accuracy of flexible bronchoscopy for lung cancer diagnosis in an expert center

Laurent Mhanna (Toulouse, France), Nicolas Guibert, Julien Mazieres, Alain Didier, Gavin Plat, Christophe Hermant

Core needle biopsy in malignant pulmonary lesions

Cristina Carrasco Carrasco (, Spain), Jorge Lima Alvarez, Angela Reina Gonzalez, Alberto Beiztegui Sillero, Nicolás Peña Griñán

Feasibility study of cryobiopsy for practical pathological diagnosis including immunohistochemical assessment of primary lung cancer

TOMOKI NISHIDA (Chigasaki, Kanagawa Pref., Japan), Yuji Matsumoto, Midori Tanaka, Toshiyuki Nakai, Yuichiro Ohe, Shun-Ichi Watanabe, Noriko Motoi

An 8 year- review of granulomatous inflammation in EBUS samples- common in sarcoidosis, rare but identified in the setting of cancer where FDG uptake can be observed on PET scanning.

Cathal Tobin-O'Brien (Dublin, Ireland), Stephen Skehan, Niall Swan, Marie McNally, Marcus Butler, Aurelie Fabre

A promising tool for T-staging of lung cancer: Is convex probe endobronchial ultrasound better than computerized tomography in determining invasion of mediastinal and hilar vessels?

Ibrahim Onur Alici (ZMR, Turkey), Seher Susam, Melike Yuksel Yavuz, Eda Bayramic, Filiz Guldaval, Ceyda Anar, Ahmet Ucvet, Melih Buyuksirin

Systematic staging through endobronchial ultrasound-guided transbronchial needle aspiration compared with targeted staging in patients with non-small cell lung cancer.

Leire Mendiluce Ochandorena (BARCELONA, Spain), Pere Serra Mitjà, Jose Sanz Santos, Anabel Moreno Garcia, Carmen Centeno Clemente, Mohamed Torky, Sonia Baeza, Filipe Carvalho, Felipe Andreo Garcia, Jorge Abad Capa

Comparison of endobronchial ultrasound-guided transbronchial needle aspiration and positron emission tomography standard uptake values in mediastinal or hilar lymph node evaluation in benign, granulomatous and malignant disease

Nazan Bayram (Gaziantep, Turkey)

Does a “first sample into the pot” methodology improve the yield to enable molecular testing on samples obtained by EBUS?

Lukas Kalinke (Worthing (West Sussex), United Kingdom), Emma Short, Jenny Messenger, Sarah Doffman, Mark Howard

Molecular analysis of peripheral lung adenocarcinoma in brush cytology obtained by endobronchial ultrasound plus fluoroscopy-guided

Roberto Chalela (Barcelona, Spain), Clara Martin Ontiyuelo, Lara Pijuan Andujar, Raquel Albero Gonzalez, Beatriz Bellosillo Paricio, Alba Dalmases Massegu, Raquel Longaron Rozalen, Victor Curull Serrano, Albert Sanchez Font

Transbronchial sampling for pulmonary metastasis used by new middle-range bronchoscope with large channel

Shinji Sasada (Tokyo, Japan), Yuji Matsumoto, Morio Nakamura

The role of EBUS-TBNA in genetic phenotype determination at adenocarcinoma cases

Benan Caglayan (Istanbul, Turkey), SEVDA COMERT, Sinem Iliaz, Ömer Zengin, Pinar Bulutay, Nagehan Barak

Risk factors for infectious complications after endobronchial ultrasound guided transbronchial biopsy

Tomohide Souma (Nagoyashi, Japan), Tomoyuki Minezawa, Takuya Okamura, Tomoya Horiguchi, Sayako Morikawa, Yasuhiro Goto, Masamichi Hayashi, Sumito Isogai, Masashi Kondo, Kazuyoshi Imaizumi

Prognostic Impact of Extracapsular Lymph Node Invasion on Survival in non-Small-cell Lung Cancer: a Systematic Review of Medline and Meta-analysis>

Seyed Vahid Tabatabaei (Euskirchen, Germany), Christoph Nitsche, Maximilian Michel, Kurt Rasche, Khosro Hekmat

The Effect on Chest Tube Drainage of Postoperative Prophylactic Enoxaparin in Patients with Non-small Cell Lung Cancer

Ferdane Melike Duran (Konya, Turkey), Hacer Esme, Atilla Can

A comparative study of conventional cytology and cell block method in the diagnosis of malignant pleural effusion.

abdmouleh khouloud (Sfax, Tunisia), Hamdi Besma, Ben Bdira Baraa, Moussa Ines, Ben Jemia Emna, Ammari Sarra, Ammar Jamel, Berraies Anissa, Hamzaoui Agnès

12:50 - 14:40

Thematic poster: Lung cancer: risk factors, supportive measures and quality improvement**Disease(s) :** Thoracic oncology Respiratory critical care**Method(s) :** General respiratory patient care Public health Epidemiology Endoscopy and interventional pulmonology Respiratory intensive care**Chairs :** Anna Rich (Nottingham (Nottinghamshire), United Kingdom), Dragana M. Jovanovi (Beograd, Republic of Serbia), Wouter H. van Geffen (Leeuwarden, Netherlands)**Residential radon and lung cancer risk in never smokers in a radon prone area in Spain.**

Maria Torres-Durán (Vigo (Pontevedra), Spain), María Lorenzo Gonzalez, Isaura Parente Lamelas, Virginia Leiro Fernandez, José Abal Arca, Carmen Montero Martínez, Olalla Castro Anon, Mariano Provencio Pulla, Iria Vidal Garcia, Antonio Golpe Gómez, Cristina Martinez, Roxirys Guzman Taveras, Margarita Amenedo Gancedo, Alberto Fernandez Villar, Juan Miguel Barros Dios, Alberto Ruano Ravina

Prospective association between sedentary lifestyle and incidence of lung cancer in Norwegian adults: the HUNT study

Lin Jiang (Trondheim, Norway), Yi-Qian Sun, Ben Michael Brumpton, Arnulf Langhammer, Yue Chen, Tom Ivar Lund Nilsen, Xiao-Mei Mai

Anemia during lung cancer

Souad Souilah (Alger, Algeria), Nesrine Dermech, Yacine Benbetka, Nassima Djami, Karim Khenouf, Rabah Amrane, Aziza Fissah

EFFICACY OF IRON REPLETION WITHOUT ERYTHROPOIESIS-STIMULATING AGENT IN PATIENTS WITH CHEMOTHERAPY-INDUCED ANEMIA IN LUNG CANCER

Shyam Krishnan (Kolkata (West Bengal), India), Shubham Sharma, Praveen Kumar Shahi, Gourishankar Bhattacharya, Raja Dhar

Pegfilgrastim drastically lowered risk of febrile neutropenia in Japanese patients with thoracic malignancy receiving chemotherapy - a retrospective single institutional study

Takashi Iwata (Osaka, Japan), Aya Yamamoto

Monitoring changes in quality of life in patients with lung cancer under treatment with chemotherapy and co administration of zoledronic acid by using specialized questionnaires

Anastasios Kallianos (Athens, Greece), Pavlos Zarogoulidis, Theodora Tsiouda, Aggeliki Rapti, Georgia Trakada, Haidong Huang, Wolfgang Hohenforst-Schmidt, Ioannis Tremmas, Chrysanthi Sardeli, Konstantinos Sapalidis

Music prior to bronchoscopy reduces anxiety in patients with suspected lung cancer

Elisabeth Jeppesen (København, Denmark), Carsten Pedersen, Klaus Larsen, Emil Walsted, Anne Rehl, Julie Ehrenreich, Sascha Schnoor, Vibeke Backer

Gender aspects in quality of life of lung cancer patients

Myriam Koch (Regensburg, Germany), Florian Zeman, Hjermsstad Marianne Jensen, Krzysztof Tomaszewski, Iwona Tomaszewska, Kjersti Hornslien, Amelie Harle, Juan Arraras, Ofir Morag, Cecilia Pompili, Georgios Ioannidis, Morfo Georgu, Chiara Navarra, Weichu Chie, Colin Johnson, Ayje Himpel, Thomas Bohrer, Annelies Janssens, Dagmara Kulis, Andrew Bottomley, Christian Klaus Jochen Schulz, Michael Koller

Socioeconomic status and lung cancer pathways in southeast London: Friend or Foe?

Amadea Heitmann (London, United Kingdom), Priyanka Iyer, Haridha Pandian, Georgia Hardavella

Time in lung cancer diagnosis and its prognostic implication

Ana Mas Esteve (Lleida, Spain), Dinora Polanco Alonso, Sandra Bertran Melines, Gemma Fierro Barrabés, Estefanía Galera Lozano, Asunción Seminario Ruiz, Guillermo Suárez Cuartín, Silvia Gómez Falguera, Manel Vilà Justrubó, Ferran Barbé Illa

Diagnosis, treatment and doctor delays in lung cancer patients who had diagnostic fiberoptic bronchoscopy at Pamukkale University Pulmonary Diseases Clinic

Feride Marim (Artvin, Turkey), Sevin Ba er Öncel, Binnaz Fatma Evyapan, Hande enol

The causes of the delay in diagnosis bronchopulmonary cancer

Ioubna najah (casablanca, Morocco), Wiam Elkhatabi, Hasna Jabri, Mly Hicham Afif

Delays in treatment decisions from lung cancer multi-disciplinary meetings in two centres in North-West, UK.

Ran Wang (Manchester (Greater Manchester), United Kingdom), Ran Wang, Thomas Lightburn, Yirong Lum, Sharada Gudur, Steven Nicholas, Syed Mehdi

Quality evaluation of primary care referrals to lung cancer services and their response in South London: Clinical practice in a pragmatic setting.

Deny Tsakri (Plovdiv, Bulgaria), Ahmed Seedat, Nefeli- Loanna Paizi, Richard Turner, Georgia Hardavella

Causes of Hospitalization and Mortality in Lung Cancer Patients

Cláudia Gomes Pavão De Matos (Lisboa, Portugal), Vânia Sacramento, Margarida Felizardo, Sofia Furtado

Tele-cancer: Reducing time-to-treatment for patients with lung cancer

Ibrahim Arosi (Manchester (Greater Manchester), United Kingdom), Karl Heyes, Vee Sibanda, Ram Sundar

Quality performance indicators in lung cancer; learning and reflecting on mortality data

Georgia Hardavella (London, United Kingdom), Carla Hobart, Richard Turner, Geoffrey Warwick, Lizzie Hadley, Amadea Heitmann, Polly Edmonds

Quality indicators in lung cancer care-review of resection rates in early stage NSCLC (non small cell lung cancer) at King's

Priyanka Iyer (London, United Kingdom), Amadea Heitmann, Haridha Pandian, Carla Hobart, Georgia Hardavella

When lung cancer was rare: An historical study of prevalence from 1760 .

Luc Ollivier (Brest, France), Philippe Saliou, Olivier Pradier, Gilles Quéré, Paul Bore, Karima Cherid, Ulrike Schick, Christophe Roge, Guillaume Le Bihan

13:00 - 14:00

Meet the expert: ME5 Lung cancer screening**Where we are and how to implement****Aims :** to provide clear guidance on whom to screen and how to follow up, and to discuss different scenarios based on actual evidence while considering both pros and cons.**Disease(s) :** Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology Imaging Surgery**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Nurse, Radiologist, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician**13:00 Lung cancer screening - where we are and how to implement it**
Hans-Ulrich Kauczor (Heidelberg, Germany), Nina Bostantzoglou (Athens, Greece)

13:00 - 14:00

Meet the expert: ME7 Monitoring of home mechanical ventilation in neuromuscular disorders**Aims :** to present and discuss new criteria that are used to define nocturnal hypoventilation and effective ventilation for neuromuscular disorders.**Disease(s) :** Respiratory critical care Sleep and breathing disorders**Method(s) :** General respiratory patient care Pulmonary function testing Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Lung function technologist, Nurse, Physiotherapist, Adult pulmonologist/Clinician**Chairs :** Marieke L. Duiverman (Groningen, Netherlands)**13:00 Monitoring of home mechanical ventilation in neuromuscular disorders**
David Orlikowski (Garches, France)

13:00 - 14:00

Meet the expert: ME6 Control of breathing - hypoventilation during sleep, exercise and dyspnoea
Ondine's curse syndrome**Aims :** to shed light on the poorly understood relationship between sleep-related life-threatening hypoventilation and its potential clinical consequences (e.g., dyspnoea); and to discuss pharmacological and non-pharmacological approaches that can modify this relationship both from a physiological point of view (the ventilatory response to hypercapnia and hypoxia) and a clinical point of view (improvement of dyspnoea and quality of life).

Disease(s) : Sleep and breathing disorders**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Translational**Target audience :** Clinical researcher, Lung function technologist, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Esther Irene Schwarz (Zürich, Switzerland)**13:00 Control of breathing - hypoventilation during sleep, exercise and dyspnoea**
Christian Straus (Paris, France)

13:00 - 14:00

Meet the expert: ME8 Diagnosing bronchiectasis and cystic fibrosis**Aims :** to show how to suspect and diagnose bronchiectasis by distinguishing between cystic fibrosis and bronchiectasis due to other causes while taking into consideration practical limitations (availability of diagnostic tests), level of care and patient preferences.**Disease(s) :** Respiratory infections Paediatric respiratory diseases**Method(s) :** General respiratory patient care Imaging**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Paediatrician, Patient, Physiotherapist, Radiologist, Trainee, Adult pulmonologist/Clinician**Chairs :** Julia Amaranta Garcia Fuertes (Vitoria-Gasteiz, Spain)**13:00 Diagnosing bronchiectasis and cystic fibrosis**
Stefano Aliberti (Milan, Italy)

13:00 - 14:15

Assembly members' meeting: Assembly 6 Epidemiology and Environment**Chairs :** Christer Janson (Uppsala, Sweden), Charlotte Suppli Ulrik (Virum, Denmark)

13:00 - 14:15

Assembly members' meeting: Assembly 7 Paediatrics**Chairs :** Jonathan Grigg (London, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

13:00 - 14:15

Assembly members' meeting: Assembly 5 Airway diseases**Chairs :** Antonio Spanevello (Milan, Italy), Omar S. Usmani (London, United Kingdom)

13:00 - 14:15

Assembly members' meeting: Assembly 1 Clinical**Chairs :** Felix J.F. Herth (Heidelberg, Germany), Venerino Poletti (Forlì, Italy)

13:00 - 14:15

Assembly members' meeting: Assembly 3 Basic and translational sciences**Chairs :** Pieter S. Hiemstra (Leiden, Netherlands), Catherine Greene (Dublin, Ireland)

13:00 - 14:30

Lunchtime session: New biologics for asthma: which patients, which agents, which results, at what cost?**a joint NEJM session****Aims :** Multiple biological agents have recently become available for treating asthma and are being heavily promoted by industry. The translational scientist views them as biologically informative tools, while the clinician views them as new ways to help difficult-to-treat patients. These different views lead to important questions that this session seeks to answer. They include, but are not limited to, How do these agents exert their effects? What do we really know about these treatments and how should they be used in clinical practice? How are the available agents similar and different? Which side effects should be closely monitored? Do these treatments modify the “natural course” of asthma? Are these treatments worth their cost?

Disease(s) : Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Physiologist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Jeffrey Drazen (Boston, United States of America), Klaus F. Rabe (Grosshansdorf, Germany)**13:00 The basic science behind asthma biologics**
Sally Wenzel (Pittsburgh, United States of America)**13:20 At the interface: the translational science supporting the clinical use of anti-cytokine therapy**
Elisabeth H.D. Bel (Amsterdam, Netherlands)**13:40 Real-world experience with new asthma treatments**
Roland Buhl (Mainz, Germany)**14:00 Panel discussion**

13:00 - 14:30

Patient forum: Occupational lung disease – professional and patient perspectives

Aims : Occupational lung disease remains an important and challenging area in terms of diagnosis, treatment and policy. Featuring experts from primary and specialist care alongside patients who formerly worked in sandblasting and engineering, this session will explore key themes around lung health in the workplace including:

- Prevention - how can workers be better informed and protected from the risks?
- Poor detection of occupational lung disease – why is occupational lung disease often missed, what is the impact, and what needs to change?
- Diagnostic techniques
- Management of occupational lung disease and disability
- What is the impact of having a lung condition at work, particularly when caused by your job? What needs to change to improve awareness of lung health in the workplace?

Chairs : Rafael E. de la Hoz (New York, United States of America)**13:00 Introduction**
Rafael E. de la Hoz (New York, United States of America)**13:15 Initial questions/comments from the audience**
Rafael E. de la Hoz (New York, United States of America)**13:25 Professor Metin Akgün and Bego (Abdulhalim) Demir**
Metin Akgün (Erzurum, Turkey), Abdulhalim Demir (,)**13:45 Professor David Fishwick and David Batchelor**
David Batchelor (,), Speaker to be confirmed**14:05 Final Q&A from the audience**
Rafael E. de la Hoz (New York, United States of America)

13:00 - 14:15

Lungs on fire: Paediatric Respiratory Diseases

Aims : • Study real challenging clinical cases

- Learn and exchange ideas with a panel of respiratory experts
- Discuss the various diagnosis and treatment options

Disease(s) : Paediatric respiratory diseases**Tag(s) :** Clinical**Target audience :** Paediatrician, Allergist, General practitioner, Lung function technologist, Nurse, Physiotherapist, Radiologist, Thoracic oncologist, Trainee**Chairs :** Monica Fletcher (Cuckfield, United Kingdom), Fabio Midulla (Roma (RM), Italy), Chair to be confirmed**Session facilitator introduction**
Jürg Hammer (Basel, Switzerland)**Case 1 - Author: R. Commodo (Bangalore, India)****Case 2 - Author: N. Nathan (Paris, France)**

Case 3 - Author: M. Diaconu (Sheffield, United Kingdom)

Case 4 - Author: C.L.H. Brackel (Voorburg, the Netherlands)

13:00 - 14:15**Lungs on fire: Airway Diseases & Respiratory Infections**

Aims : • Study real challenging clinical cases
• Learn and exchange ideas with a panel of respiratory experts
• Discuss the various diagnosis and treatment options

Disease(s) : Airway diseases Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiotherapist, Radiologist, Physiologist, Thoracic oncologist, Trainee**Chairs :** Vito Brusasco (Genova (GE), Italy), Gernot G.U. Rohde (Frankfurt am Main, Germany), Chair to be confirmed**Session facilitator introduction**
Michael Tamm (Basel, Switzerland)

Case 1 - Author: F.S. Albez (Erzurum, Turkey)

Case 2 - Author: A.F. Elbehairy (Alexandria, Egypt)

Case 3 - Author: F. Cemmi (Peschiera del Garda, Italy)

Case 4 - Author: D. Siopi (Thessaloniki, Greece)

Case 5 - Author: L. Appendini (Saluzzo, Italy)

Case 6 - Author: C. Tirelli (Vaiano Cremasco, Italy)

13:15 - 14:15**Meet the expert: ME14 Bronchiolitis obliterans syndrome in immunodepressed patients**

Aims : To highlight the epidemiology of bronchiolitis obliterans syndrome of immunocompromised patients and to discuss the diagnostic and management challenges.

Disease(s) : Airway diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Physiologist, Radiologist, Student, Trainee**Chairs :** Davide Piloni (Pavia, Italy)**13:15 Bronchiolitis obliterans syndrome in immunodepressed patients**
Anne Bergeron Lafaurie (Paris, France)**14:30 - 17:00****Professional development: PDW6 Supporting patients with behaviour change strategies****Engagement of patients in healthy behaviours**

Aims : To improve the competence and performance of clinicians by promoting their active learning of empathic communication and motivational interviewing and by helping them to develop strategies to incorporate these techniques into patient care. This interactive learning activity will focus on how to effectively counsel patients to improve their overall lifestyle, including their diet, exercise and alcohol and tobacco use. Specific aims are as follows: to increase knowledge about empathic listening and motivational interviewing strategies and resources; to increase skills in using empathic listening and motivational interviewing strategies; and to increase the application of empathic listening and motivational strategies and resources.

Disease(s) : Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Sofia Belo Ravara (Covilhã, Portugal)**14:30 Introduction: why do we need to incorporate health behaviour change into clinical practice?**
Sofia Belo Ravara (Covilhã, Portugal)

14:45	Why empathy is important and how we can incorporate it into clinical practice Timothy Milbrandt (Rochester, United States of America), Therese Shumaker (Rochester, United States of America)
15:05	Using motivational interviewing in clinical practice to engage patients about health behaviour change Timothy Milbrandt (Rochester, United States of America), Therese Shumaker (Rochester, United States of America)
15:35	Exploring and enhancing motivation to quit smoking in smokers who are reluctant to quit Therese Shumaker (Rochester, United States of America), Timothy Milbrandt (Rochester, United States of America)
16:05	Exploring and enhancing motivation to reduce alcohol consumption and weight Therese Shumaker (Rochester, United States of America), Timothy Milbrandt (Rochester, United States of America)
16:35	Discussion and conclusion Sofia Belo Ravara (Covilhã, Portugal), Therese Shumaker (Rochester, United States of America), Timothy Milbrandt (Rochester, United States of America)

14:30 - 16:50

Skills workshop: SW12 Thoracic ultrasound

Aims : to provide an update on thoracic ultrasound knowledge and an opportunity to practise basic hands-on skills using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Trainee

Chairs : Nick Maskell (Bristol (Avon), United Kingdom)

Introduction**Normal thoracic cavity**

Christian B. Laursen (Odense, Denmark), Horianna Grosu (Houston, United States of America)

Pleural effusion and/or pleural thickening

Ioannis Psallidas (Oxford, United Kingdom), Gilles Mangiapan (Creteil, France)

Case studies

John Wrightson (Oxford, United Kingdom)

Guided pleural aspiration and lymph node biopsy using models

Konstantina Kontogianni (Heidelberg, Germany), Nick Maskell (Bristol (Avon), United Kingdom)

14:30 - 16:50

Skills workshop: SW9 Cardiopulmonary exercise test interpretation - tips and pitfalls

Aims : to identify “typical” patterns of response to cardiopulmonary exercise testing and to show how to discriminate these from “anomalous” response profiles that can cause misinterpretation of test results.

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Lung function technologist, Paediatrician, Physiologist, Physiotherapist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Susan Ward (Crickhowell, United Kingdom)

Introduction**Relationship between oxygen uptake and work rate**

Richard Casaburi (Rancho Palos Verdes, United States of America)

Anaerobic/lactate threshold

Harry Rossiter (Hermosa Beach, United States of America)

Breathing pattern and dynamic hyperinflation

Denis O'Donnell (Kingston (ON), Canada)

Ventilatory efficiency

Paolo Onorati (Alghero (SS), Italy)

14:45 - 16:45

Symposium: Imaging chronic lung diseases: moving from structure to function**Lung imaging**

Aims : to provide an update regarding lung imaging techniques and their clinical applications in several chronic lung diseases; to increase understanding about the role of imaging in disease detection, stratification and prognostication; and to describe the advantages and limitations of lung imaging in clinical investigation.

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Aleksandar Grgic (Homburg, Germany), Maren Schuhmann (Heidelberg, Germany)

14:45 **Interstitial disease - more than meets the eye**
Jens Vogel-Claussen (Hannover, Germany)

15:15 **Chronic obstructive pulmonary disease - moving from structure to function**
Grace Parraga (London (ON), Canada)

15:45 **Asthma imaging - not just bronchoconstriction**
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

16:15 **Cystic fibrosis and bronchiectasis - from visual scoring to new imaging analysis systems**
Harm Tiddens (Rotterdam, Netherlands)

14:45 - 16:45

Symposium: Microbiomes in respiratory disease**Role of local and systemic microbiomes and the potential for manipulation**

Aims : to provide a state-of-the-art update that will inform respiratory researchers, clinicians and health professionals about the role of microbiomes in respiratory disease. Leading experts in the field will review the current research and provide perspectives and opinions regarding the role of the microbiome in both disease pathogenesis and protection from disease. The intergenerational transmission of the microbiome and its effects will also be discussed. In addition, the therapeutic potential of manipulation of local and systemic microbiomes will be described.

Disease(s) : **Airway diseases** **Paediatric respiratory diseases**

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Basic science

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Paediatrician, Pathologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Ay e Bilge Öztürk (Istanbul, Turkey), Philip Hansbro (Callaghan, Australia)

14:45 **The microbiome and childhood respiratory diseases**
Hans Bisgaard (Hellerup, Denmark)

15:15 **Gut microbiomes in chronic obstructive pulmonary disease**
Sanjay Sethi (Buffalo, United States of America)

15:45 **Environmental exposures to the microbiome**
Christopher Carlsten (Vancouver (BC), Canada)

16:15 **Targeting the microbiome in chronic lung disease**
Debby Bogaert (Edinburgh, United Kingdom)

14:45 - 16:45

Symposium: Advances in community-acquired pneumonia management

Aims : to provide an update on the management tools and therapies for community-acquired pneumonia (CAP).

Disease(s) : Respiratory infections Respiratory critical care**Method(s) :** General respiratory patient care Imaging Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, General practitioner, Patient, Radiologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician, Nurse, Physiotherapist, Thoracic surgeon**Chairs :** Marcos I. Restrepo (San Antonio, United States of America), Rosario Menendez Villanueva (Valencia, Spain)**14:45 Diagnosing CAP – advances in imaging**
Yann-Erick Claessens (Monaco, Monaco)**15:15 Management - much more than antibiotics only (adjuvant therapies including antimicrobials, fluid resuscitation, blood sugar and nutrition)**
Gernot G.U. Rohde (Frankfurt am Main, Germany)**15:45 Severe CAP - challenges in the intensive care unit**
Ignacio Martin-Loeches (Dublin 8, Ireland)**16:15 When is it time to call the thoracic surgeon?**
Kalliopi Athanassiadi (Athens, Greece)**14:45 - 16:45****Symposium: The best of the European Respiratory Journal in 2018****Aims :** In this session, the section editors of the European Respiratory Journal (ERJ) in the fields of asthma, interstitial lung disease, tuberculosis and sleep medicine/ventilation will choose and present essential elements of the (in their expert opinion) best papers that were published in the ERJ between late 2017 and July 2018.**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Physiology**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, Patient, Trainee, Adult pulmonologist/Clinician**Chairs :** Martin Kolb (Hamilton (ON), Canada), Marc Humbert (Paris, France)**14:45 The best ERJ papers in asthma and allergy**
Paul O'Byrne (Hamilton (ON), Canada)**15:15 The best ERJ papers in interstitial and rare lung diseases**
Vincent Cottin (Lyon, France)**15:45 The best ERJ papers in tuberculosis**
Giovanni Battista Migliori (Varese (VA), Italy)**16:15 The best ERJ papers in sleep medicine and ventilation**
Patrick Lévy (Grenoble, France)**14:45 - 16:45****Hot topics: Roles of innate lymphoid cells in asthma****Major research advancements regarding the roles of innate lymphoid cells in the development and progression of allergic asthma****Aims :** To highlight some recent and important discoveries in innate lymphoid cell biology that provide new insights in the pathological mechanisms in asthma and that hint at future treatment possibilities.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology Physiology**Tag(s) :** Basic science**Target audience :** Allergist, Clinical researcher, Paediatrician, Physiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Andrew McKenzie (Cambridge (Cambridgeshire), United Kingdom), Chair to be confirmed**14:45 Prostaglandin E2 suppresses the function of human group 2 innate lymphoid cells**
Jenny Mjösberg (Stockholm, Sweden)**15:15 Steroid resistance of airway type 2 innate lymphoid cells from patients with severe asthma: the role of thymic stromal lymphopoietin**
Rafeul Alam (Denver, United States of America)

15:45 Allergen-experienced group 2 innate lymphoid cells acquire memory-like properties and enhance allergic lung inflammation
Fumio Takei (Vancouver, Canada)

16:15 Human CD40 ligand-expressing type 3 innate lymphoid cells induce interleukin (IL)-10-producing immature transitional regulatory B-cells
Zsolt István Komlósi (Tarnok, Hungary)

14:45 - 16:45

Hot topics: Chronic pulmonary aspergillosis: from guidelines to real-life implementation Based on ERS/ECMID guidelines

Aims : At the conclusion of this hot topic session, the participant will: (i) understand the spectrum of chronic pulmonary aspergillosis (CPA); (ii) be able to diagnose CPA on the basis of the recent ERS/ECMID guidelines, which focus on a combination of clinical, radiological and mycological characteristics; (iii) be aware of the consensus regarding the management and treatment of CPA; and (iv) feel encouraged to collaborate with CPAnet to promote clinically oriented research in the field of CPA.

Disease(s) : Respiratory infections

Method(s) : General respiratory patient care Imaging Surgery

Tag(s) : Clinical

Target audience : Allergist, Critical/Intensive care physician, Pathologist, Patient, Radiologist, Student, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Jacques Cadranel (Paris Cedex 20, France), David W. Denning (Manchester (Greater Manchester), United Kingdom)

14:45 The global burden of CPA
Helmut J.F. Salzer (GRAZ, Austria)

15:15 An update on CPA diagnosis
Iain Page (Manchester (Greater Manchester), United Kingdom)

15:45 Achieving consensus regarding the current treatment options for CPA
Cendrine Godet (Poitiers, France)

16:15 Radiology in CPA: from diagnosis to treatment
Francois Laurent (Bordeaux, France)

14:45 - 16:45

Poster discussion: Latest developments in cystic fibrosis

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Physiology Public health General respiratory patient care Epidemiology Respiratory intensive care

Chairs : Mirjam Stahl (Heidelberg, Germany), Chair to be confirmed

Synergistic activity of colistin in combination with N-acetylcysteine against colistin-resistant *Acinetobacter Baumannii* grown in biofilms

Francesco Sergio (Neuchâtel, Switzerland), Simona Pollini, Selene Boncompagni, Tiziana Di Maggio, Stefano Aliberti, Francesco Blasi, Lucia Pallecchi, Gian Maria Rossolini

Safety and efficacy of intravenous (IV) Fosfomycin in adult cystic fibrosis patients

Carlotta Biglia (Orbassano (TO), Italy), Cristina Bena, Giacomo Bonizzoni, Michela Bellocchia, Alessia Grande, Fabio Traversa, Elisa Clivati, Gianpiero Bandelli, Sara Demichelis, Carlo Albero, Barbara Messori

Azoles therapeutic drug monitoring and fungal antimicrobial resistance in adults with Cystic Fibrosis

Marcello Di Paolo (Roma (RM), Italy), Kavita Dave, Anitha Vijayasingam, Roosey Sheth, Emma Luke, Andrew Scourfield, Lisa Nwankwo, Silke Schelenz, Joseph Stuart Elborn, Darius Armstrong-James, Anand Shah

The prevalence and diversity of fungi in respiratory samples of cystic fibrosis patients – a Dutch, nationwide, prospective, multicentre study

Tobias Engel (Nijmegen, Netherlands), Lydie Slabbers, Carmen De Jong, Willem Melchers, Ferry Hagen, Paul Verweij, Peter Merkus, Jacques Meis

Identification of disease specific biomarkers by exhalomics using Secondary Electrospray Ionisation High-resolution Mass Spectrometry (SESI-HRMS) in children with cystic fibrosis

Katharina Heschl (Zürich, Switzerland), Naemi Haas-Baumann, Ronja Weber, Astghik Baghdasaryan, Srdjan J. Micic, Florian Singer, Renato Zenobi, Tobias Bruderer, Alexander Möller

Detection of *Pseudomonas aeruginosa* infection in cystic fibrosis patients by eNose technology

Renate Kos (Amersfoort, Netherlands), Rianne De Vries, Paul Brinkman, J. W. F. Dagelet, Niels W. Rutjes, C. J. Majoor, S. W. J. Terheggen-Lagro, E.J.M. Weersink, Lieuwe D. J. Bos, Peter J. Sterk, Anke-Hilse Maitland-Van Der Zee, Anne H. Neerinx & The Amsterdam Cf Research Group

Reduced uptake of inhaled carbon in airway macrophages from children with cystic fibrosis

Norrice Liu (London, United Kingdom), Lisa Miyashita, Jonathan Grigg

Retrospective analysis of treatment with Ivacaftor/Lumacaftor in patients with cystic fibrosis at the Munich Cystic Fibrosis Centers

Susanne Naehrig (München, Germany), Pontus Mertsch, Matthias Griese, Matthias Kappler, Rudolf M Huber

Effects of Lumacaftor-Ivacaftor Therapy on CFTR Function in Phe508del Homozygous Patients with Cystic Fibrosis

Simon Y. Gräber (Berlin, Germany), Christian Dopfer, Lutz Naehrlich, Lena Gyulumyan, Heike Scheuermann, Stephanie Hirtz, Sabine Wege, Heimo Mairbaeurl, Marie Dorda, Rebecca Hyde, Azadeh Bagheri-Hanson, Claudia Rueckes-Nilges, Sebastian Fischer, Marcus A. Mall, Burkhard Tuemmler

Noninvasive ventilation (NPPV) affects Pulmonary Exacerbation (PE) rate in Cystic Fibrosis children (CFc).

Irene Esposito (Torino (TO), Italy), Lorenzo Appendini, Lucia Ronco, Gabriela Ferreyra, Elisabetta Bignamini

Exercise capacity in patients with cystic fibrosis at 6 and 12 months after lung transplantation

Marco Damin (Padova (PD), Italy), Michela De Toni, Maria Rita Marchi, Gabriele Foltran, Erica Bazzan, Graziella Turato, Marina Saetta, Manuel Cosio

Acute effects of combined exercise and oscillatory positive expiratory pressure therapy on sputum properties and lung diffusing capacity in cystic fibrosis: a randomized, controlled, crossover trial

Thomas Radtke (Zürich, Switzerland), Lukas Boeni, Peter Bohnacker, Marion Maggi-Bebba, Peter Fischer, Susi Kriemler, Christian Benden, Holger Dressel

Risk factors for early lung function decline in young children with Cystic Fibrosis

Juan Balinotti (Ciudad Autónoma Buenos Aires, Argentina), Daniel Chang, Viviana Rodriguez, Silvina Lubovich, Silvina Zaragoza, Natalia Escobar, Carlos Kofman, Lucia Perez, Victoria Ardiles, Alejandro Teper

The TLR4 regulator miR-21 is downregulated in the paediatric cystic fibrosis airway

Arlene Glasgow (Dublin 9, Ireland), Arlene Glasgow, Sebastian Vencken, Chiara De Santi, Rana Raoof, David Henshall, Barry Linnane, Paul McNally, Catherine Greene

HspB5 in Cystic Fibrosis

Fanny Degrugillier (Créteil, France), Xavier Decrouy, Virginie Prulière-Escabasse, Chong Jiang, Daniela Rotin, Pascale Fanen, Stéphanie Simon

Large phenotypic spectrum associated with two new deep intronic variants on the CFTR gene

Anne BERGOUNOUX (Montpellier Cedex 5, France), Karine Deletang, Jessica Varilh, Florence Houriez, Jean-Pierre Altieri, Michel Koenig, Claude Férec, Claustres Mireille, Thierry Bienvenu, Marie-Pierre Audrezet, Adrien Pagin, Emmanuelle Girodon, Caroline Raynal, Magali Taulan-Cadars

PRO-INFLAMMATORY ACTIVITY AND OXIDATIVE STRESS ON A LINE OF CYSTIC FIBROSIS (CF) HUMAN RESPIRATORY EPITHELIUM

Juan Manuel Figueroa (Ciudad Autónoma Buenos Aires, Argentina), Mariángeles Clauzure, Ángel Gabriel Valdivieso, María Macarena Massip-Copiz, Consuelo Mori, Andrea Vanesa Dugour, Doris Primrose, Tomas Santa Coloma

Plasma ceramides and sphingomyelins increase in primary ciliary dyskinesia but decrease in cystic fibrosis

Dilara Bal Topcu (Ankara, Turkey), Gokcen Tugcu, Filiz Ozcan, Mutay Aslan, Sanem Esref, Mina Gharibzadeh Hizal, Ebru Elmas Yalcin, Deniz Dogru Ersoz, Ugur Ozelik, Nural Kiper, Incilay Lay, Yesim Oztas

14:45 - 16:45

Poster discussion: Cryobiopsy in interstitial lung disease (ILD)

Disease(s) : Thoracic oncology Interstitial lung diseases Respiratory infections

Method(s) : Endoscopy and interventional pulmonology Imaging

Chairs : Jürgen Hetzel (Tuebingen, Germany), Lizzy Wijmans (Amsterdam, Netherlands)

Evaluation of Transbronchial Lung Cryobiopsy Freezing Time, Cryobiopsy Size, Histological Quality and Incidence of Complication: A Prospective Clinical Trial

ShuLiang Guo (BARCELONA, Spain), Yishi Li, Jiawei Wei

Evaluation of novel cryoprobes for transbronchial cryobiopsy – an in-vivo animal study

Jürgen Hetzel (Tuebingen, Germany), Walter Linzenbold, Markus Enderle, Daniela Nüßle, Hans Bösmüller, Venerino Poletti

Cryobiopsy versus VATS in management of patients with UIP possible

Donato Lacedonia (Molfetta (BA), Italy), Domenico Loizzi, Nicola Ardò, Giovanna Elisiana Carpagnano, Massimo Selmi, Antonio Giuseppe Palmiotti, Ennio Vincenzo Sassani, Simona Tortorella, Francesco Solitto, Maria Pia Foschino Barbaro

Performance of cryobiopsy versus forcep biopsy in adjacent and eccentrically orientated R-EBUS lesion

Sze Shyang Kho (Kuching (Sarawak), Malaysia), Mei Ching Yong, Swee Kim Chan, Siew Teck Tie

Probe-based confocal laser endomicroscopy in differential diagnosis of interstitial lung diseases

Igor Mamenko (St. Petersburg, Russian Federation), Igor Vasilev, Irina Tabanakova, Roman Velshikaev, Sultan Gasanmagomedov, Piotr Yablonskii

Cryobiopsy in diagnosis of smear negative pulmonary tuberculosis (SNPTB)

Tamer Ali El-Hadidy (Mansoura, Egypt), Mohammad K. Badrawy, Mohsen M. El Shafey¹, Mohamed A. Abo El Ela², Nadia W. El Sharkawy¹

Catheter tract metastasis in mesothelioma patients with indwelling pleural catheters

Sarah Hosseini (Ottawa (ON), Canada), Michael Mitchell, Pen Li, Carolina Souza, Kayvan Amjadi

Transbronchial lung cryobiopsy in asthmatic patients: is it useful?

Sara Colella (Teramo (TE), Italy), Claudia Ravaglia, Chiara Massaccesi, Vittorio D'Emilio, Gianluca Panella, Federica Fioretti, Guido Collina, Riccardo Pela, Venerino Poletti

Single centre experience in safety and diagnostic yield of cryobiopsy

Ana He imovi (Zagreb, Croatia), Sonja Badovinac, Mihovil Rogli, Denis Bari evi, Marija Alilovi, Ivica Mažurani, Ante Marušić, Sven Seiwerth, Lovorka Batelja Vuleti, Miroslav Samaržija

Utility of transbronchial lung cryobiopsy with cryoprobe in DPLD

Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Swapnil Bakamwar, Parimal Deshpande, Vinit Niranjane

Utility of radial probe endobronchial ultrasound guided transbronchial lung biopsy

Kyung Chan Kim (Daegu city, Republic of Korea), Eun Jin Kim, Chi Young Jung

Transbronchial cryobiopsy guided by radial-EBUS for diagnosing interstitial lung diseases

Maciej Gnass (My lenice, Poland), Artur Bartczak, Anna Filarecka, Stanisław Orzechowski, Jerzy Soja, Ma gorzata Szo kowska, Renata Langfort, Artur Szlubowski

TRANSBRONCHIAL LUNG CRYOBIOPSY IN AN INTENSIVE CARE UNIT

M^a Rosa Cordovilla Perez (Salamanca, Spain), Virginia Guevara, Milagros Rosales, Susana Blanco P, Marta Paz Perez, Juan Alejandro Cascón, Clara Martí Maciá, M^a Dolores Ludeña De La Cruz, Miguel Angel Hernández Mezquita, Jose M^a González Ruiz

Diagnostic yield of transbronchial cryobiopsy in peripheral lung lesions

Hanaa Shafiek (Alexandria, Egypt), Rezk Elaraby, Anwar Alganady, Mohamed Elhoffy

Cryobiopsy increases diagnostic yield in mucosal endobronchial lesions in comparison to forceps biopsy

Ahmed Ehab Abdallah (Mansoura, Egypt), Mohammad Khairy El-Badrawy, Amr Abdelhamed Moawad, Mohammad Eldesoky Abo-Shehata

Transbronchial cryobiopsy protocol and diagnostic yield in diffuse parenchymal lung disease: a retrospective study

Lígia Sofia Costa Santos Fernandes (Lisboa, Portugal), Catarina Antunes, Andrea Machado, Eva Brysch, Tiago Abreu, Leonor Mota, Júlio Semedo, Leonardo Ferreira, Analisa Ribeiro, Cristina Bárbara

Cryobiopsy - the utility in diagnostic bronchoscopy for ground-glass nodules -

Yuji Matsumoto (Tokyo, Japan), Toshiyuki Nakai, Tomoki Nishida, Midori Tanaka, Takaaki Tsuchida, Yuichiro Ohe

14:45 - 16:45

Poster discussion: What's new in lung function and exercise assessment in COPD?

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Physiology Imaging

Chairs : Andrea Aliverti (Milan, Italy), Chair to be confirmed

FEV6 as a marker of airflow limitation: a cross-sectional study

Rishabh Raj (Mumbai (Maharashtra), India), Rajiv Mathur

Comparison of pulsed flow from portable oxygen concentrators with continuous oxygen delivery.

John Chen (Edmonton (AB), Canada), Ira Katz, Georges Caillibotte, Marine Pichelin, Warren Finlay, Kaixian Zhu, Andrew Martin

Impact of mid distance hypobaric flight simulation on walking distance and desaturation in COPD patients

Dominic Dellweg (Schmallenberg Grafschaft, Germany), Juliane Schmitten, Jens Kerl, Ekkehard Hoehn, Jutta Dellweg, Dieter Köhler, Peter Haidl

Investigation of relationship between four meter gait speed test and cardiopulmonary exercise test to determine exercise capacity in COPD patients

O uz Karcio lu (Ankara, Turkey), Sevinc Sarinc Ulasli, Ahmet Ugur Demir

Associations between isometric and dynamic quadriceps measures with functional capacity in chronic obstructive pulmonary disease (COPD)

Kim-Ly Bui (Québec (QC), Canada), Sunita Mathur, Nathalia Maia, Pat Camp, Gail Dechman, Francois Maltais, Didier Saey

Validation of isometric quadriceps muscle strength testing and relationship with functional capacity in COPD

Kim-Ly Bui (Québec (QC), Canada), Sunita Mathur, Nathalia Maia, Pat Camp, Gail Dechman, Francois Maltais, Didier Saey

A high degree of dyspnea is associated with poor exercise capacity in COPD patients, airflow obstruction being equal

Ernesto Crisafulli (Modena (MO), Italy), Marina Aiello, Panagiota Tzani, Antonella Ielpo, Chiara Longo, Veronica Alfieri, Giuseppina Bertorelli, Alfredo Chetta

Noninvasive negative pressure ventilation improves survival of COPD patients with exercise desaturation

Hung Yu Huang (Taipei, Taiwan), Te-Fang Sheng, Chee Jen Chang, Lan-Yan Yang, Chun-Hua Wang, Han-Pin Kuo

Influences of obstruction and hyperinflation on electrocardiographic P wave, QRS and T wave axis in COPD

Peter Alter (Marburg, Germany), Henrik Watz, Kathrin Kahnert, Klaus F Rabe, Frank Biertz, Ronald Fischer, Philip Jung, Jana Graf, Robert Bals, Claus F Vogelmeier, Rudolf A Jorres

Effects of dynamic hyperinflation on left ventricular diastolic function in healthy males – a randomized study

Anna Katharina Mayr (Grieskirchen, Austria), Matthias Helmut Urban, Ingrid Schmidt, Otto Chris Burghuber, Georg-Christian Funk

Effect of changes in peak inspiratory flow on the dose of salbutamol delivered by nebulizers under simulated conditions

John Pritchard (Newtown Linford, United Kingdom)

Pulmonary artery diameter and nocturnal hypoxemia in smokers with/without COPD.

Marta Marin Oto (Pamplona (Navarra), Spain), Marta Calvo, Jessica Gonzalez, Oscar Claveria, Borja Recalde, Ana Belen Alcaide, Juan Bertó, Arantza Campo, Javier Zulueta, Gorka Bastarrika, Luis Seijo, Juan Pablo De Torres

Evaluation of a newly developed spirometer to measure dynamic lung hyperinflation by the method of incremental hyperventilation in patients with COPD.

Keisaku Fujimoto (Matsumoto, Japan), Shohei Kawachi

Short-course pulmonary rehabilitation and exacerbations and activity of COPD patients over 1 year

Fanny W.S. Ko (Shatin, Hong Kong), Ka-Pang Chan, Wilson Tam, Ivor Wong, Tat-On Chan, April Ip, David Shu-Cheong Hui

Nasal high flow therapy: The effect on exercise performance in patients with COPD

Paul Kelly, Jaimie Dikstaal, Lutz Beckert, Speaker to be confirmed

14:45 - 16:45

Poster discussion: Pulmonary hypertension: right ventricle function, haemodynamics and exercise

Disease(s) : Pulmonary vascular diseases Sleep and breathing disorders

Method(s) : Physiology Cell and molecular biology General respiratory patient care Imaging

Chairs : Harm Jan Bogaard (Amsterdam, Netherlands)

Epigenetic effects of exercise and respiratory training in patients with pulmonary arterial hypertension
Jeremias Verweyen (Heidelberg, Germany), Christina A. Eichstaedt, Jie Song, Zixuan Pan, Nicola Benjamin, Christine Fischer, Ekkehard Grünig

Dynamic right ventricular-pulmonary arterial (RV-PA) uncoupling during incremental exercise in HFpEF
Inderjit Singh (new haven, United States of America), Farbod Rahaghi, Rudolf Oliveira, David Systrom, Aaron Waxman

The pulmonary artery pulsatility index correlates with ventriculo-vascular coupling and elevated filling pressures in patients with pulmonary arterial hypertension.
Roberto Bernardo (Oklahoma City, United States of America), Rebecca Vanderpool, Franz Rischard

Reappraising the effects of pulmonary artery wedge pressure on right ventricular pulsatile loading
Denis Chemla (Le Kremlin-Bicêtre, France), Emmanuelle Berthelot, Jason Weatherald, Laurent Savale, Pierre Attal, David Montani, Olivier Sitbon, Marc Humbert, Philippe Herve, Patrick Assayag

Right atrial pressure at rest and during exercise in patients with and without pulmonary hypertension: A retrospective analysis
Silvia Ulrich (Zurich, Switzerland), Patrick Bader, Lukas Herren, Stéphanie Saxer, Mona Lichtblau, Charlotte Berlier, Esther Schwarz, Michael Furian, Konrad Bloch

Association of intrinsic right ventricular function with exercise tolerance and ventilatory efficiency in pulmonary arterial hypertension
Toshitaka Nakaya (Sapporo, Japan), Hiroshi Ohira, Takahiro Sato, Taku Watanabe, Noriko Oyama-Manabe, Shintaro Kinugawa, Masaharu Nishimura, Ichizo Tsujino

Increased right ventricular systolic:diastolic duration ratiopredicts mortality in idiopathic pulmonary arterial hypertension
Colm McCabe (Cambridgeshire, United Kingdom), Irena Ivanac Vranesic, Wei Li, Laura Price, Aleksander Kempny, Konstantinos Dimopoulos, S. John Wort

Right ventricular size and contractile reserve significantly correlate in patients with pulmonary hypertension
(), Nicola Benjamin, Benjamin Egenlauf, Satenik Harutyunova, Hanns-Martin Lorenz, Norbert Blank, Alberto M. Marra, Christian Nagel, Christine Fischer, Ekkehard Gruenig

Pulmonary vascular distensibility in pulmonary hypertension due to left heart disease
Christian Gerges (Wien, Austria), Mario Gerges, Irene Lang

The impact of obesity on pulmonary haemodynamic interpretation
Geoffrey Watson (London, United Kingdom), Christopher Baker, Michael Polkey, Luke Howard

Incremental Shuttle Walk Test predicts survival in non-Group 1 Pulmonary Hypertension without a ceiling effect
Catherine Billings (Sheffield (South Yorkshire), United Kingdom), Robert Lewis, Judith Hurdman, Iain Armstrong, Ian Smith, Matthew Austin, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Allan Lawrie, Roger Thompson, Robin Condliffe, David Kiely

Incremental shuttle walking test distance is reduced in patients with pulmonary hypertension in WHO Functional Class I
Robert Lewis (Sheffield (South Yorkshire), United Kingdom), Catherine Billings, Iain Armstrong, Judith Hurdman, Ian Smith, Matthew Austin, Charlie Elliot, Athanasios Charalampopoulos, Ian Sabroe, Allan Lawrie, Roger Thompson, Robin Condliffe, David Kiely

Parasympathetic activity in pulmonary arterial hypertension: could a simple measure do the trick?
Paolo Parrella (Napoli, Italy), Giacomo Campi, Alessio Rodolico, Angela Mancini, Riccardo Franco, Dalila Bruno, Alessandra Cuomo, Gabriele Tocchetti, Mario Petretta, Domenico Bonaduce, Valentina Mercurio

Echocardiographic assessment in lowlanders vs. highlanders living above 2500m
Mona Lichtblau (Zürich, Switzerland), Stéphanie Saxer, Patrick Bader, Michael Furian, Philipp Scheiwiller, Maamed Mademilov, Bermet Estebeova, Batyr Osmonov, Nuriddin Marazhapov, Ulan Sheraliev, Talant Sooronbaev, Konrad Bloch, Silvia Ulrich

Characterization of dynamic left ventricular systolic and diastolic function in patients with obstructive sleep apnea syndrome with preserved left ventricular ejection fraction
Angelo Canora (Napoli (NA), Italy), Antonello D'Andrea, Carmine Nicoletta, Simona Sperlongano, Giacomo Ghinassi, Giorgio Emanuele Polistina, Gianpaolo Tocci, Marialuisa Bocchino

Correlation between sympathovagal modulation and functional capacity in pulmonary arterial hypertension patients.

Katya Rigatto (Porto Alegre (RS), Brazil), Gabriela Roncato, Fabricio Fontoura, Fernanda Spilimbergo, Gisela Meyer, Guilherme Watte, Walter Vargas, Karina Casali, Danilo Berton

Does inspiratory muscle training improve the sympathovagal balance and endothelial function in groups I and IV of pulmonary hypertension?

Fabricio Farias da Fontoura (Porto Alegre (RS), Brazil), Gabriela Roncato, Fernan Spilimbergo, Gisela Meyer, Guilherme Watte, Walter Vargas, Danilo Berton, Katya Rigatto

Cardiopulmonary exercise test provides valuable information on function and prognosis in PAH

Rocco Francesco Rinaldo (Milano (MI), Italy), Luke Sebastian Howard

14:45 - 16:45

Poster discussion: Exercise is medicine: testing and treating patients with some effort**Disease(s) :** Airway diseases Pulmonary vascular diseases Thoracic oncology Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Cell and molecular biology Surgery**Chairs :** Michael Furian (Zürich, Switzerland), Joaquim Gea Guiral (Barcelona, Spain)**Exercise induced bronchoconstriction assessed using the forced oscillation technique**

Leigh Seccombe (Sydney (NSW), Australia), Lachlan Buddle, Matthew Peters, Claude Farah

T2-endotype predicts bronchodilator (BD) response in Exercise-Induced Bronchoconstriction (EIB)

Matteo Bonini (London, United Kingdom), Jacopo Messina, Simone Petrarulo, Daniel Piamonti, Marcello Di Paolo, Marco Brunori, Paolo Palange, Omar Usmani

Is continuous laryngoscopy during cardiopulmonary exercise testing reliable for measuring maximum oxygen uptake?

Ida Jansrud Hammer (Bergen, Norway), Lars Peder Bovim, Maria Vollsæter, Ola Røksund, Thomas Halvorsen, Hege H. Clemm

Laryngeal laser surgery reduces neural respiratory drive and work of breathing in exercise-induced laryngeal obstruction

Emil S. Walsted (Frederiksberg, Denmark), Azmy Faisal, Matthew J. Pavitt, Vibeke Backer, Yuan-Ming Luo, Michael I. Polkey, James H. Hull

Intercostal muscle oxygenation during expiratory load breathing

Quentin Bretonneau (Poitiers, France), Claire de Bisschop, Aurélien Pichon

Acute effect of non-invasive ventilation during FES-rowing exercise in patients with high-level spinal cord injury

Isabelle Vivodtzev (Cambridge, United States of America), Glen Picard, Felipe Xerez Cepeda, J. Andrew Taylor

Influence of the VitaBreath on Exercise Tolerance in Patients with COPD

Nikolaos Chynkiamis (Newcastle upon Tyne, United Kingdom), Matthew Armstrong, Vivien Spencer, Nick Lane, Tom Hartley, William Gray, Stephen Bourke, Ioannis Vogiatzis

Effect of ambulatory continuous positive airway pressure on neural respiratory drive and functional capacity in excessive dynamic airway collapse

Georgios Kaltsakas (Athens, Greece), Maxime Patout, Gill Arbane, Elodie Lhuillier, Liju Ahmed, David D'Cruz, Michael Polkey, James Hull, Nicholas Hart, Patrick B. Murphy

Breathing pattern and post-exercise inspiratory muscle fatigue in COPD: Comparing step tests and cycle ergometry

Tiago Rodrigues De Lemos Augusto (Campo Grande, Brazil), Karina Utida, Paulo Muller

Inter-individual variability in breathlessness perception in chronic obstructive pulmonary disease

Peter Siu Pan Cho (London, United Kingdom), Hannah Victoria Fletcher, Irem S. Patel, Gerrard Francis Rafferty, John Moxham, Richard Douglas Turner, Surinder Singh Birring, Caroline Judith Jolley

Sensorial and physiological responses to symptom-limited progressive exercise in dyspneic subjects with inspiratory muscle weakness

Bianca Feldmann (Ivoti, Brazil), Franciele Plachi, Debora Hütten, Ricardo Gass, Reisi Zambiasi, Fernanda M Balzan, Marcelo B Gazzana, Danilo C. Berton

Validation of the Timed Up and Go test to detect fallers in COPD patients

Vivien Reynaud (Clermont Ferrand, France), Daniela Muti, Annick Greil, Denis Caillaud, Ruddy Richard, Emmanuel Coudeyre, Frédéric Costes

Non-invasive assessment of pulmonary microcirculation at rest and exercise in patients with previous pulmonary thromboembolism

Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Renata Diniz Marques, Brandon Palmer, Christine D'Arsigny, Denis E O'Donnell, J Alberto Neder

The cardiopulmonary exercise test (CPET) in the evaluation of functional capacity before and after cardiac resynchronization therapy (CRT)

(,), Maria Rosaria Castriotti

The role of peak oxygen consumption measurement in predicting postoperative pulmonary complications in patients with early stage lung cancer

Deniz Koksall (ankara, Turkey), Ferhad Ibrahimov, Sevinc Sarinc Ulasli, Erkan Dikmen, Yigit Yilmaz, Elif Babaoglu, Funda Aksu, Emin Maden, Riza Dogan, Salih Emri

Investigating a relationship between obesity hypoventilation and physical function in severe obesity

Johan Meurling (Dublin, Ireland), Emer O'Malley, Colin Dunlevy, Cathy Breen, Tomas Ahern, Tara Cusack, Donal O'Shea, John Garvey

Role of training in SNIP maneuvers in Amyotrophic Lateral Sclerosis patients

Paola Pierucci (Sydney (NSW), Australia), Michela Dimitri, Vito Liotino, Agnese Caringella, Pierluigi Carratu, Silvano Dragonieri, Onofrio Resta

Long-term effects of high-intensity training after lung cancer surgery — A five-years follow-up of a randomized controlled trial

Elisabeth Edvardsen (Oslo, Norway), Sigmund A Anderssen, Fredrik Borchsenius, Ole Henning Skjongsberg

14:45 - 16:45

Poster discussion: Innovations in equipment and their application

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases Respiratory infections Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Imaging Epidemiology

Chairs : Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

Comparison of Forced and Impulse Oscillometry Measurements: A Clinical Population and Printed Airway Model Study.

Marcia Soares (Leicester (Leicestershire), United Kingdom), Matthew Richardson, James Thorpe, John Owers-Bradley, Salman Siddiqui

Does using a forehead or finger sensor during the six minute walk test impact oxygen saturation measurement?

Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester, Beverley Moseley, Helen Parfrey, Karen Sheares, Katrina Oates

Structured Light Plethysmography as a method of recording disease severity in Cystic Fibrosis

Muhammad Irfaan Khan (Cambridge (Cambridgeshire), United Kingdom), Patricia Set, Mike Harrison, Alex Phythian, Chris Harding, Ines Henriques-Cadby, Stephen Walters, Karl Sylvester

Association between nasal and bronchial resistance in patients with COPD

Gunta Strazda (Riga, Latvia), Kristine Jakone, Normunds Jurka, Olga Madaja, Dace Zentina, Immanuels Taivans

Impulse oscillometry in restrictive respiratory diseases

Olga Savushkina (Moscow, Russian Federation), Alexander Cherniak, Marina Kameneva, Evgenij Kryukov, Andrey Zaytsev

The effect of comorbid Metabolic Syndrome and latent Obstructive Sleep Apnoea on the baseline medical parameters of volunteers screened from a Barrett's Esophagus Registry.

Peter Coss (Dublin 8, Ireland), D Otoole, N Ravi, M O'Brien, N Clarke, P Lawlor, J O'Sullivan, P Goodman, J Reynolds, Am Mc Laughlin

Prediction of individual cardiac output from measured VO2 and ventilation

Min-Yeong Kang (Palaiseau, Republic of Korea), Thông Hua-Huy, Sven Günther, Anh Tuan Dinh-Xuan, Bernard Sapoval

How do forehead and finger sensors align to capillary oxygen saturation during the six minute walk test?

Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester, Beverley Moseley, Parfrey Helen, Sheares Karen, Katrina Oates

Do predicted tidal volumes have value in setting up domiciliary non-invasive ventilation?

Sara Parsons (Surbiton (Surrey), United Kingdom), Emma Baker

Post-bronchodilator response (PBDR) evaluated by plethysmographic and spirometric target parameters in patients with COPD, asthma-COPD-overlap (ACO) and asthma

Richard Kraemer (Muri-Bern, Switzerland), Monika Leuenberger, Fabian Gardin, Jürg Barandun, Karl Klingler, Lukas Kern, Martin Brutsche

Modification of inspired oxygen fraction does not change exercise oxygen uptake measured by JAEGER® Vyntus CPX; a validation study

Ronald Jeu De, Robert Schot, Herman Groepenhoff, Aarten K. Ninaber

Quantification of airflow limitation in chronic obstructive pulmonary disease

Khaled Hussein (Assiut, Egypt), Sarah Helal, Randa Ezzeldin, Ahmed Hamed

Effect of wearing the Elevation Training Mask 2.0 on pulmonary and respiratory muscles function

Marina Segizbaeva (St. Petersburg, Russian Federation), Nina Aleksandrova

Obstructive sleep apnea after weight loss: when should we repeat the sleep study?

Ana Lutas (Lisboa, Portugal), Sofia Furtado, Richard Staats, João Valença, Teresa Pequito, Marco Pereira, Paulo Roquete

Detailed physiological profiling of patients for a study investigating the airway microbiome

Aisling McGowan (Dublin, Ireland), Orla O'Carroll, Anna O'Brien, Seamus Cox, Patrick Goodman, Conor Burke

Reference values for impulse oscillometry for children aged 3–18 years obtained using lambda-mu-sigma method – preliminary results

Jakub Radli ski (Rabka-Zdrój, Poland), Henryk Mazurek, Zbigniew Doniec, Grzegorz Siergiejko

Diagnostic accuracy of asthma severity grading using machine learning features and lung sounds

Shrikant Pawar (Pune (Maharashtra), India), Sundeep Salvi, Yogesh Thorat, Rich Fletcher, Aneesh Anand, Christian Infante, Neerja Shastri, Vandana Vincent

14:45 - 16:45

Oral presentation: New methods for diagnosing and treating lung diseases**Disease(s) :** Respiratory infections Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Imaging Surgery Physiology Epidemiology Cell and molecular biology**Chairs :** Philippe Camus (Dijon, France), Chair to be confirmed

14:45 **Does the sonographic presence and severity of pleural fluid septation have an impact on clinical outcomes in pleural infection? - Data from the Pleural Infection Longitudinal Outcome Study (PILOT)**
John Corcoran (Oxford, United Kingdom), Ioannis Psallidas, Stephen Gerry, Nick Maskell, Robert Miller, Najib Rahman

15:00 **Proinflammatory cytokine IL-6 detection in severe COPD patients: Focus on roflumilast**
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Mariana Kulynych-Miskiv, Oleksandr Varunkiv

15:15 **To the diagnosis of primary ciliary dyskinesia without situs inversus**
Vyacheslav Kobylansky (Moscow, Russian Federation), Elena Bragina

15:30 **The development and validation of a Quality of Life questionnaire for those with Inducible Laryngeal Obstruction**
Lucy Bassil (Bedford (Bedfordshire), United Kingdom), Nicola Pargeter, Jodie Fellows, Catherine Maskell, Ruth Howard, Adel Mansur

15:45 **An extensive bundle of tests is needed to detect treatable causes of bronchiectasis (Bx)**
Elisa Franceschi (Milano (MI), Italy), Stefano Aliberti, Manuela Seia, Luigi Porcaro, Vera Bianchi, Enza Consalvo, Angelo Corsico, Ilaria Ferrarotti, Michele Gaffuri, Luca Roncoroni, Barbara Vigone, Andrea Gramegna, Martina Contarini, Francesco Amati, Noemi Borsa, Fabrizio Nava, Nicolò Vanoni, Angela Bellofiore, Cesare Del Monaco, Leonardo Terranova, Martina Oriano, Lisa Cariani, Flavio Caprioli, Mario Nosotti, Francesco Blasi

16:00 **High flow nasal cannula use on respiratory inpatients: Identifying patient groups and outcomes to guide optimal future use.**
Thomas Nicholson (Oxford (Oxfordshire), United Kingdom), Louise Channon, Harriet Williams, Mitra Shahidi

- 16:15 Physiological mechanisms of exertional dyspnea relief following bariatric surgery for severe obesity**
Amar Mainra (Montreal, Canada), Sara Abdallah, Ryan Reid, Ross Andersen, Dennis Jensen

14:45 - 16:45

Oral presentation: Ventilation and lung imaging in critically ill patients**Disease(s) :** Respiratory critical care**Method(s) :** Respiratory intensive care Imaging**Chairs :** Marcus Schultz (Amsterdam, Netherlands), Ezgi Özyilmaz (Adana, Turkey)

- 14:45 A lung volume change protocol prevents lung collapse after PEEP decrement in recovering ARDS**
Mathuwadee Praipruksaphan (Bangkok, Thailand), Napplika Kongpolprom

- 15:00 Weaning with or without PEEP?**
Mehyar Lavae-Mokhtari (Ibbenbueren, Germany), Gabriela May, Joachim Fichter, Nicolas Dickgreber

- 15:15 Proportional assist ventilation (pav+) versus pressure support ventilation (psv) for weaning and patient ventilator interaction in chronic obstructive pulmonary disease.**
Suzan Salama Sayed (Assiut, Egypt), Aliae A.R. Mohamed-Hussein, Waleed Gamal

- 15:30 Lung autopsy in patients with lung infiltrates died in the intensive care unit**
fernando rodriguez (Montevideo, Uruguay), Nicolas Nin, Javier Hurtado, Ana Vilas, Cristina Davila

- 15:45 Thin-Section CT in patients with smoke inhalation injury**
Cheol-Hong Kim (Gyeonggi-do, Republic of Korea), Dong-Gyu Kim

- 16:00 Global versus Regional Lung Ultrasound Scoring in Critically Ill Patients with Invasive Ventilation**
Luigi Pisani (Amsterdam, Netherlands), Veronica Vercesi, Marry Smit, Marcus J. Schultz

- 16:15 Lung aeration as assessed by lung ultrasound is independent of tidal volume size in intensive care unit patients with invasive ventilation**
Marry Smit (Amsterdam, Netherlands), Luigi Pisani, Fabienne Simonis, Marcus Schultz

14:45 - 16:45

Oral presentation: Pathophysiological aspects of sleep-disordered breathing: intermittent hypoxia**Disease(s) :** Sleep and breathing disorders**Method(s) :** Cell and molecular biology Imaging Physiology**Chairs :** Isaac Almendros (Barcelona, Spain), Silke Ryan (Dublin 14, Ireland)

- 14:45 Intermittent hypoxia, the hallmark of sleep apnea, induces HIF-1-dependent mitochondrial dysfunction**
Sophie MOULIN (Grenoble, France), Marion Pauly, Amandine Thomas, Maximin Detrait, Guillaume Vial, Frederic Lamarche, Herve Dubouchaud, Claire Arnaud, Diane Godin-Ribuot, Elise Belaidi-Corsat

- 15:00 Mechanisms involved in the deleterious impact of intermittent hypoxia on ischemic cardiomyopathy.**
Maximin Detrait (La Tronche, France), Guillaume Bourdier, Sophie Moulin, Elise Belaïdi, Claire Arnaud

- 15:15 Transcriptomic analysis identifies a unique, intermittent hypoxia mediated inflammatory profile: evidence from a cross-over randomised CPAP withdrawal trial, with and without supplemental oxygen, in OSA**
Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Lennard Lee, Nayia Petousi, John Stradling

- 15:30 Acetylsalicylic Acid Prevents Intermittent Hypoxia-Induced Vascular Remodeling in a Murine Model of Sleep Apnea**
Isaac Almendros (Barcelona, Spain), Monique C Suarez-Giron, Marta Torres, Josep M Montserrat, Cesar Picado, David Gozal, Anabel Castro-Grattoni, Manuel Sanchez-De-La-Torre, Ferran Barbé, Ramon Farré

- 15:45 The effects of CPAP-withdrawal on cerebral vascular reactivity and brain oxygenation in patients with obstructive sleep apnoea: a randomised-controlled trial.**
Sira Thiel (Zürich, Switzerland), Franziska Lettau, Sarah R Haile, Protazy Rejmer, Esther I Schwarz, Anna Stöberl, Noriane Sievi, Cristina Rossi, Anton Becker, Andreas Boss, John R Stradling, Malcolm Kohler

- 16:00 Independent association between obstructive sleep apnea severity and liver stiffness**
Wojciech Trzepizur (Angers CEDEX 9, France), Jérôme Boursier, Marc Le Vaillant, Pierre-Henri Ducluzeau, Séverine Dubois, Samir Henni, Pierre Abraham, Christophe Aubé, Paul Calès, Frédéric Gagnadoux

- 16:15 Ticagrelor and central sleep apnea: analysis of VigiBase, the WHO pharmacovigilance database**
Bruno Revol (Grenoble cedex 9, France), Ingrid Jullian-Desayes, Renaud Tamisier, Vincent Puel, Michel Mallaret, Marie Joyeux-Faure, Jean-Louis Pépin

14:45 - 16:45

Oral presentation: Recent insights in childhood asthma and wheezing

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health

Chairs : Bülent Taner Karadag (Istanbul, Turkey), Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom)

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| 14:45 | Prescribed analgesics in pregnancy and the risk of child asthma- a register-based study.
Bronwyn Brew (Stockholm, Sweden), Catarina Almqvist, Cecilia Lundholm, Seif Shaheen |
| 15:00 | Association of early life factors with wheezing phenotypes in preterm-born children compared to term-born children
Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), W. John Watkins, John Lowe, Raquel Granell, A. John Henderson, Sailesh Kotecha |
| 15:15 | Early life vitamin D levels and childhood respiratory morbidity and allergic sensitization
Rosalie Mensink-Bout (Rotterdam, Netherlands), Evelien R. Van Meel, Johan C. De Jongste, Irwin K. Reiss, Vincent W.V. Jaddoe, Liesbeth Duijts |
| 15:30 | Early childhood growth patterns and lung function and asthma at 10 years
Maribel Casas (Barcelona, Spain), Herman T. Den Dekker, Claudia J. Kruithof, Irwin K. Reiss, Martine Vrijheid, Jordi Sunyer, Johan C. De Jongste, Vincent W.V. Jaddoe, Liesbeth Duijts |
| 15:45 | GST genotypes modify the association between paracetamol use in early life and lung function at 18 years
Xin Dai (Truganina (VIC), Australia), Shyamali Dharmage, Michael Abramson, Adrian Lowe, Jennifer Perret, Bircan Erbas, Nilakshi Waidyatilake, Caroline Lodge |
| 16:00 | Indoor microbial diversity and risk of different wheezing phenotypes
Anne M. Karvonen (Kuopio, Finland), Pirkka V. Kirjavainen, Martin Täubel, Balamuralikrishna Jayaprakash, Rachel I. Adams, Martin Depner, Anne Hyvärinen, Sami Remes, Erika Von Mutius, Juha Pekkanen |
| 16:15 | Using a Bayesian approach and external validation to predict persistent asthma at the age of 10 and 20 years in general and high-risk populations
Silvia Colicino (London, United Kingdom), Cosetta Minelli, Alexandra Lewin, Stephen Turner, Angela Simpson, Hasan Arshad, Graham Roberts, John Henderson, Adnan Custovic, Paul Cullinan |

14:45 - 16:45

Oral presentation: Lung cancer: new aspects in diagnosis and management

Disease(s) : Thoracic oncology Sleep and breathing disorders

Method(s) : Cell and molecular biology General respiratory patient care

Chairs : Joanna Chorostowska-Wynimko (Warsaw, Poland), Wouter H. van Geffen (Leeuwarden, Netherlands)

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|-------|--|
| 15:00 | PD-L1 expression on lung cancer stem cells in metastatic lymph nodes.
Agata Raniszewska (Warszawa, Poland), Iwona Kwiecien, Malgorzata Polubiec-Kownacka, Elzbieta Rutkowska, Joanna Domagala-Kulawik |
| 15:15 | A variant in LKB1 gene can predicts the clinical outcomes of chemotherapy in patients with non-small cell lung cancer
Seung Soo Yoo (Daegu, Republic of Korea), Hyewon Seo, Hyo-Gyoung Kang, Deuk Kju Jung, Jin Eun Choi, Hyeyoung Park, Hyejin Lee, Hong Guen Oh, Young Hun Lee, Sun Ha Choi, Shin Yup Lee, Jaehee Lee, Seung Ick Cha, Chang Ho Kim, Jae Young Park |
| 15:30 | Predictive role of plasmatic biomarkers in advanced non-small cell lung cancer (NSCLC) treated with nivolumab (nivo).
Adrien Costantini (Paris, France), Catherine Julie, Coraline Dumenil, Zofia Hélias-Rodzewicz, Jennifer Dumoulin, Violaine Giraud, Sylvie Labrune, Thierry Chinet, Jean-Francois Emile, Etienne Giroux-Leprieur |
| 15:45 | BRONCHIAL MICROBIOME IN PATIENTS WITH LUNG CANCER
Jose Javier Vengoechea (Zaragoza , Spain), Ana Lucia Figueredo, Marta Cobo, Laura Torralba , Javier Errasti , Elisa Mincholé , Rosa Del Campo, Salvador Bello |
| 16:00 | Prevalence of obstructive sleep apnea (OSA) in patients with lung cancer. Results from the prospective SAIL study Sleep Apnea In Lung Cancer)
Elena Cabezas Pastor (Madrid, Spain), María Teresa Pérez-Warnisher, María Fernanda Troncoso, Teresa Gómez, Rosario Melchor, Germán Peces-Barba, Nicolás González Mangado, Luis Seijo |

14:45 - 16:45

Oral presentation: Lung transplant science: from primary graft to chronic allograft dysfunction**Disease(s) :** Respiratory infections Respiratory critical care**Method(s) :** Transplantation Imaging**Chairs :** Christian Benden (Zürich, Switzerland), Robin Vos (Leuven, Belgium)

- 14:45 Influences of primary graft dysfunction (PGD) on parenchymal remodeling after lung transplantation (LT) detected by mean quantitative computed tomography (CT).**
Caterina Salito (Milano (MI), Italy), Andrea Aliverti, Davide Tosi, Francesca Pennati, Rosaria Carrinola, Lorenzo Rosso, Paolo Tarsia, Letizia Morlacchi, Mario Nosotti, Alessandro Palleschi
-
- 15:00 Diagnosis of antibody-mediated rejection (AMR) on lung transplant biopsies: A retrospective single-center case study**
Silvana Geleff (Vienna, Austria), Gottfried Fischer, Peter Jaksch
-
- 15:15 Is influenza trivalent vaccination effective in lung transplant recipients?**
Jana Kleinerova (Dublin 8, Ireland), Lana Khorsheed, Sean Walsh, Patricia Ging, Sara Winward, Iain Lawrie, Breda Lynch, Jim Egan
-
- 15:30 Clinical implications of host-bacteria-virus interactions in lung transplantation**
Daniel-Adrien Wurlod (Lausanne, Switzerland), Eric Bernasconi, Celine Pattaroni, John-David Aubert, Benjamin Marsland, Laurent Nicod
-
- 15:45 Bronchiectasis as prognostic factor in bronchiolitis obliterans syndrome after lung transplantation**
Anke Van Herck (Leuven, Belgium), Annelore Sacreas, Tobias Heigl, Stijn Verleden, Bart Vanaudenaerde, Walter De Wever, Geert Verleden, Robin Vos
-
- 16:00 The murine orthotopic single lung transplantation model for chronic rejection: work in progress?**
Tobias Heigl (Leuven, Belgium), Janne Kaes, Annelore Sacreas, Anke Van Herck, Greetje Vande Velde, Stijn Verleden, Geert Verleden, Wim Janssens, Robin Vos, Bart Vanaudenaerde
-
- 16:15 B cells drive iBALT formation in a mouse model of chronic lung allograft dysfunction**
Natalia Smirnova (München, Germany), Thomas Conlon, Carmela Morrone, Ali Oender Yildirim, Oliver Eickelberg

14:45 - 16:45

Guidelines session: Idiopathic pulmonary fibrosis diagnosis: new guidelines**Results of the ATS-ERS Guidelines on Idiopathic pulmonary fibrosis**

Aims : (i) To describe the methodology that was used to develop the new ATS/ERS clinical practice guidelines for diagnosing idiopathic pulmonary fibrosis (IPF); (ii) to discuss how to perform high-resolution CT (HRCT) in usual interstitial pneumonia and to describe its imaging pattern on HRCT; (iii) to describe the histopathological pattern of interstitial pneumonia; and (iv) to discuss the recommended diagnostic approach to IPF, with a particular focus on the important role of multidisciplinary discussions. Areas that require further attention will be discussed throughout the session.

Disease(s) : Interstitial lung diseases Respiratory critical care**Method(s) :** Endoscopy and interventional pulmonology Imaging Public health**Tag(s) :** Clinical

Target audience : Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Ganesh Raghu (Seattle, United States of America), Luca Richeldi (Southampton (Hampshire), United Kingdom), Venerino Poletti (Forlì, Italy)

- 14:45 Objectives and methodology used to develop the 2018 IPF diagnostic guidelines**
-
- 15:09 HRCT chest: technique and pattern of usual interstitial pneumonia**
Martine Remy-Jardin (Lille, France)
-
- 15:33 Histopathological pattern of usual interstitial pneumonia**
Speaker to be confirmed
-
- 15:57 Recommendations for specific diagnostic interventions**
Ganesh Raghu (Seattle, United States of America)
-
- 16:21 Panel discussion**

15:00 - 16:00

Educational forum: Ensuring impactful independent education
CPD and lifelong learning

Aims : This session brings together ERS educational leadership, national society representatives, and educationalists alike to discuss the key issues in respiratory medical education, including:

- assessing educational needs
- importance of continuing professional for better patient outcomes
- trends and challenges

The audience will be encouraged to discuss the key issues that they are facing in their local, national and international educational settings.

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Policy maker, Paediatrician, Patient

Chairs : Daiana Stolz (Basel, Switzerland), Vivienne Parry (Oxon, United Kingdom)

15:00 Introduction
Daiana Stolz (Basel, Switzerland)

15:10 Assessing the educational needs (individual, multi-disciplinary team, country, profession/specialty)
Stefano Aliberti (Milan, Italy)

15:25 Importance of continuing medical professional development
- Patient perspective - patient outcomes (I. Saraiva)
- Professionals perspective - impact, behaviour change, ensuring standards, outcomes (R. Stevenson)
- Innovation (C. Jackson)
Isabel Saraiva (Cascais, Portugal), Robin Stevenson (Glasgow (Glasgow), United Kingdom), Chad Jackson (, United States of America)

15:40 Discussion (open floor)
Vivienne Parry (Oxon, United Kingdom)

15:55 Conclusions and wrap up
Daiana Stolz (Basel, Switzerland)

17:00 - 17:50

Group members' meeting: Group 9.2 Physiotherapists

Chairs : Daniel Langer (Leuven, Belgium), Deniz Inal-Ince (Ankara, Turkey)

07:00 - 08:15

Challenging clinical cases: CC6 Interstitial lung diseases

Aims : to present complex cases of rare ILDs and discuss in an interactive fashion. These cases were clinically very difficult, and the session will describe how the diagnosis was made, the radiological and pathological patterns in the case, and the pathogenetic mechanisms that were identified. The aim is to increase knowledge about the modalities that were used to build up the clinical reasoning and the biological mechanisms that may connect different disorders.

Disease(s) : **Interstitial lung diseases** Pulmonary vascular diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Pathologist, Radiologist, Thoracic surgeon, Trainee

Chairs : Jan C. Grutters (Nieuwegein, Netherlands)

Acute respiratory failure: 7 years after monolateral lung transplant for COPD
Claudia Ravaglia (Forlì, Italy)

Lung nodules: an unusual cause
Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

Primary Pulmonary Amyloidosis - The experience at a tertiary hospital on the Gold Coast, Australia
Robert Carroll (Brisbane (QLD), Australia)

CT and FDG PET/CT findings of pulmonary involvement in methotrexate-associated lymphoproliferative disease
Sachi Matsubayashi (Tokyo, Japan)

07:00 - 08:15

Challenging clinical cases: CC7 Severe asthma

Aims : to present two challenging cases of patients with severe asthma and comorbidity. It will address disease-specific challenges, including issues with compliance and risk management. To describe how the diagnosis was made and the pathogenetic mechanisms that may be involved. To increase also the knowledge about patients with severe asthma and the treatment approaches available.

Disease(s) : **Airway diseases**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Paediatrician, Trainee, Student

Chairs : Antonio Spanevello (Milan, Italy)

Case 1
Pascal Chanez (Marseille, France)

Case 2
Stephen James Fowler (Preston (Lancashire), United Kingdom)

Eosinophilic otitis media and eosinophilic asthma; shared pathophysiology and response to anti-IL5
Marieke T. Drijver-Messelink (Groningen, Netherlands)

Asthma evolution before and after diagnosis and treatment for Chronic eosinophilic leukemia
Cristina Calarasu (Craiova (Dolj), Romania)

ABPA diagnosis in a late onset, difficult to treat, asthma in a 84 year-old female
Konstantinos Eleftheriou (Athens, Greece)

07:00 - 08:15

Challenging clinical cases: CC8 Non-resolving pneumonia

Aims : To review diagnosis and management of possible pulmonary and non-pulmonary causes of non-resolving pneumonia.

Disease(s) : **Respiratory infections**

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Student, Trainee

Chairs : Miquel Ferrer Monreal (Barcelona, Spain)

Non-responding pneumonia in a renal transplant patient
Rosario Menendez Villanueva (Valencia, Spain)

Respiratory organising pneumonia
Sebastian Ott (Bern, Switzerland)

Denosumab therapy recipient presenting with Cryptococcosis pneumonia with polymicrobial superinfection

Shiang-Fen Huang (Taipei, Taiwan)

Community-Acquired Pneumonia with Evolving Cavitation and Peripheral Eosinophilia

Alexander Ryu (Rochester, United States of America)

Recurrent pneumonia in a patient with HIV

Jorge Alberto Ordoñez Cardales (Bogotá, Colombia)

08:00 - 10:20

Skills workshop: SW16 Essential skills for the intensive care unit**Aims :** to learn the essential skills needed for the daily work in intensive care units.**Disease(s) :** Respiratory critical care**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Paediatrician, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Christian Bruells (Aachen, Germany)**Introduction****Bronchoscopy - the basics**

Gregoris Stratakis (Athens, Greece)

Intubation - how to do it correctly

Christian Bruells (Aachen, Germany)

Percutaneous tracheostomy

Ignacio Martin-Loeches (Dublin 8, Ireland)

How to handle haemoptysis

Prashant Nemichand Chhajed (Mumbai, India)

08:00 - 10:20

Skills workshop: SW13 Radiological-pathological correlations in different lung diseases for clinicians**Aims :** to demonstrate and discuss the radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.**Disease(s) :** Airway diseases Thoracic oncology**Tag(s) :** Clinical**Target audience :** General practitioner, Nurse, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee**Chairs :** Philipp A. Schnabel (Homburg (Saar), Germany)**Introduction****Lung emphysema**

Hans-Ulrich Kauczor (Heidelberg, Germany), Giulio Rossi (Aosta (AO), Italy)

Interstitial fibrosis

Annette Fisseler-Eckhoff (Wiesbaden, Germany), Sara Tomassetti (Forli, Italy)

Lung cancer

Walter De Wever (Leuven, Belgium), Philipp A. Schnabel (Homburg (Saar), Germany)

08:30 - 10:30

Symposium: Proteases: at the cutting edge of lung disease

Aims : to provide an update on the pathological roles of proteases in lung diseases. Protease deregulation is a constant feature in acute and chronic lung diseases. Until recently, proteases were thought to simply act as protein-degrading enzymes. However, recent ground-breaking research has identified a variety of novel protease substrates that play important roles in lung pathophysiology. These findings suggest that proteases are actually critical pleiotropic orchestrators of the cell behaviour that leads to lung diseases. The symposium will describe and integrate these novel protease research findings. The aim is to bring together leading researchers from different fields of lung disease research with the hope of fostering the exchange of knowledge between not only basic and clinical researchers but also within the lung community.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Scientist (basic, translational), Paediatrician

Chairs : Jean-Michel Sallenave (PARIS, France), Stephen M. Stick (Perth (WA), Australia)

08:30 The proteasome - an intracellular protease that is dysregulated in lung diseases
Silke Meiners (München, Germany)

09:00 Neutrophil elastase and lung damage in cystic fibrosis
Marcus Mall (Berlin, Germany)

09:30 Coagulation proteases and idiopathic pulmonary fibrosis - the dangerous liaison
Keren Borensztajn (Paris, France)

10:00 The role of cathepsin S in lung disease
Clifford Taggart (Belfast (Belfast), United Kingdom)

08:30 - 10:30

Symposium: Accelerated ageing in lungs The key to chronic lung disease and comorbidities

Aims : to discuss recent advances in our understanding of the molecular processes that underlie accelerated ageing and cellular senescence and how these processes may lead to chronic lung diseases such as chronic obstructive pulmonary disease (COPD), idiopathic pulmonary fibrosis, and pulmonary hypertension and their comorbidities. Since the elderly population, which is prone to multi-morbidity, is increasing, these diseases will become more and more important for respiratory and general physicians, particularly the latter.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Tag(s) : Basic science

Target audience : Clinical researcher, General practitioner, Pathologist, Patient, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Masakazu Ichinose (Sendai, Japan), Gaetano Caramori (Messina (ME), Italy)

08:30 The science of ageing
Moises Eduardo Selman Lama (Mexico, Mexico)

09:00 Accelerated ageing in COPD
Elizabeth Cordoba-Lanus (Santa Cruz De Tenerife, Spain)

09:30 Accelerated ageing in idiopathic pulmonary fibrosis and pulmonary hypertension
Serge Adnot (Creteil, France)

10:00 Clinical implications and novel therapies
Peter J. Barnes (London, United Kingdom)

08:30 - 10:30

Symposium: Prenatal origins of respiratory and atopic disorders Epidemiological and experimental evidence

Aims : to educate the audience about the current state of knowledge concerning the early-life origins of respiratory and atopic disorders. The session will describe what we have learned from 1) epidemiological birth cohort studies: multiple approaches that can be used to strengthen causal inference with respect to prenatal exposures will be described, including Mendelian randomisation, gene-environment interactions, negative parental controls, sibling controls, twin studies and follow-up of children from prenatal intervention trials; 2) experimental studies in animals and humans: how animal models can complement epidemiology in the investigation of this topic will be discussed. The results from recent exciting trials on nutrient supplementation in pregnancy aimed at primary prevention of asthma will also be presented.

Disease(s) : Airway diseases Paediatric respiratory diseases**Method(s) :** Epidemiology Public health**Tag(s) :** Translational**Target audience :** Paediatrician, Scientist (basic, translational)**Chairs :** Liesbeth Duijts (Rotterdam, Netherlands), Erik Melén (Stockholm, Sweden)

08:30 **Using genetic epidemiology and existing trial cohorts to identify the prenatal causes of childhood respiratory and atopic disorders**
Seif Shaheen (London, United Kingdom)

09:00 **Using advanced family and twin designs to control for confounding of associations between prenatal risk factors and asthma**
Catarina Almqvist Malmros (Stockholm, Sweden)

09:30 **How animal models can complement epidemiology in furthering our understanding of the prenatal origins of respiratory disease**
Susanne Krauss-Etschmann (Borstel, Germany)

10:00 **Can nutrient supplementation in pregnancy prevent childhood asthma?**
Hans Bisgaard (Hellerup, Denmark)

08:30 - 10:30**Symposium: State of the art session: Respiratory critical care**
Mechanical ventilation and beyond in acute and chronic respiratory failure

Aims : This session will provide state of the art information on topics that relate to the ventilatory and non-ventilatory management of patients with acute and chronic respiratory failure. Key topics include ventilatory and non-ventilatory management strategies in acute respiratory distress syndrome (ARDS) (particularly in terms of preventing ventilator-induced lung injury); weaning from mechanical ventilation (with particular focus on the importance of the timing of tracheostomy); the delivery of non-invasive respiratory support by non-invasive ventilation (NIV) and high-flow nasal cannula (HFNC) in acute hypoxemic and hypercapnic respiratory failure; and the non-invasive ventilatory modalities that are available for chronic obstructive pulmonary disease (COPD) patients at home, both when they are stable and after they have had an acute exacerbation with persistent hypercapnia.

Disease(s) : Respiratory critical care**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, Adult pulmonologist/Clinician**Chairs :** Marcus Schultz (Amsterdam, Netherlands), Lígia Helena Pires Vicente (Portimão, Portugal)

08:30 **Ventilatory and non-ventilatory strategies in ARDS**
Laurent Brochard (Toronto (ON), Canada)

09:00 **Strategies for weaning from mechanical ventilation**
Leo M.A. Heunks (Amsterdam, Netherlands)

09:30 **Non-invasive respiratory strategies in acute respiratory failure**
Stefano Nava (Bologna (BO), Italy)

10:00 **Non-invasive ventilatory strategies in stable COPD**
Wolfram Windisch (Cologne, Germany)

08:30 - 10:30**Symposium: Microorganisms and lung ecology: living in peace with bugs**

Aims : To improve the understanding of (i) the subtle interactions between humans and microorganisms both within and outside the context of infections; (ii) how the respiratory immune system can move from homeostasis to dysbiosis; (iii) the roles that the interactions between humans and microorganisms play in the pathogenesis and natural history of pneumonia and chronic noncommunicable respiratory diseases; and (iv) the potential of treatments that modulate the microbiome.

Disease(s) : Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology Physiology Transplantation**Tag(s) :** Translational**Target audience :** Clinical researcher, Pathologist, Scientist (basic, translational), Adult pulmonologist/Clinician**Chairs :** Anh Tuan Dinh-Xuan (Paris, France), Nicolas Roche (Paris, France)

08:30	Host-microorganism interactions in lung homeostasis: the influence of age, microbes and the immune system James D. Chalmers (Dundee (Angus), United Kingdom)
09:00	Dynamics of the human microbiome network
09:30	Manipulating the microbiome to control human diseases Patricia Lepage (Jouy en Josas, France)
10:00	Towards an ecology of the lung: new conceptual models of pulmonary microbiology and pneumonia pathogenesis Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

08:30 - 10:30

Symposium: GINA 2018 and beyond: shaping the future of asthma management

Aims : (i) To understand how to integrate risk reduction strategies into personalised asthma care; (ii) to explore the new GINA (Global Initiative to Asthma) 2018 pocket guide for difficult-to-treat and severe asthma and to understand how a design thinking approach can enhance the utility of clinical resources; (iii) to learn about implementation strategies for airway disease, including in low- and middle-income countries; and (iv) to learn about future plans for GINA and to understand how to improve the design of asthma research studies.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Marc Humbert (Paris, France), Pascal Chanez (Marseille, France)

08:30	A personalised approach to risk reduction in asthma in GINA Guy Brusselle (Ghent, Belgium)
09:00	A new GINA resource in 2018: a practical guide for assessing and managing difficult-to-treat and severe asthma Jerry Krishnan (Chicago, United States of America)
09:30	Hard talk: is GINA truly global? Successes and challenges Eric D. Bateman (Cape Town, South Africa)
10:00	GINA 2018 and beyond: the challenges of evidence-led innovation and leadership Helen Reddel (Sydney (NSW), Australia)

08:30 - 12:00

Skills workshop: SW19 Clinical interpretation of spirometry results

Aims : To know how to interpret spirometry tests; to be able (1) to differentiate between poor technique and technical errors and abnormal spirometry by evaluating patterns in flow volume and volume time curves; and (2) to recognise abnormal from normal spirometry when interpreting curves and results tables by comparing the measured values with the reference values.

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders

Chairs : Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

08:30	Introduction Felip Burgos Rincon (Barcelona, Spain), Jellien Makonga-Braaksma (Woudenberg, Netherlands)
08:45	Recognise technically poor traces and errors of measurement Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)
09:05	Common discussion
09:15	Deciding on reference values and how to calculate them Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)
09:40	Common discussion
09:50	Break

10:05	Look at F-V/V-T traces and describe the range of abnormal shapes Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark), Marija Vukoja (Sremska Kamenica, Republic of Serbia)
10:25	Common discussion
10:35	Describe the severity of any abnormality Lindsay Zurba (Durban, South Africa), Vicky Moore (Birmingham (West Midlands), United Kingdom), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Flemming Madsen (Vanløse, Denmark)
11:10	Common discussion
11:20	Write a spirometry report Lindsay Zurba (Durban, South Africa), Marija Vukoja (Sremska Kamenica, Republic of Serbia), Vicky Moore (Birmingham (West Midlands), United Kingdom), Flemming Madsen (Vanløse, Denmark)
11:45	Common discussion
11:55	Explanation on post-course assessment Felip Burgos Rincon (Barcelona, Spain)

08:30 - 10:30**Session: Pulmonary endoscopy**
Lung cancer and the pleural diseases

Aims : It is important to correctly diagnose and stage the many patients with suspected lung cancer that the clinician will encounter in pulmonary practice. The techniques that will be demonstrated in this session are confocal endoscopy, transparenchymal nodule access (TPNA), EBUS/EUS-B and advanced thoracoscopy. The aim is to demonstrate and comment on established methods such as EBUS and advanced thoracoscopy as well as to introduce the upcoming options such as confocal endoscopy and TPNA.

Disease(s) : Thoracic oncology

Tag(s) : Clinical

Chairs : Luc Thiberville (Rouen, France), Pallav L. Shah (London, United Kingdom)

08:30	First procedure: confocal endoscopy Luc Thiberville (Rouen, France)
09:00	Second procedure: transparenchymal nodule access (TPNA) for a single pulmonary nodule (SPN) Felix J.F. Herth (Heidelberg, Germany)
09:30	Third procedure: staging with EBUS/EUS Jouke T. Annema (Amsterdam, Netherlands)
10:00	Fourth procedure: advanced thoracoscopy Nick Maskell (Bristol (Avon), United Kingdom)

08:30 - 10:30**Poster discussion: Novel insights in the basic and translational research on idiopathic interstitial pneumonias**

Disease(s) : Interstitial lung diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Chairs : Bruno Crestani (Paris, France), Antje Prasse (Hannover, Germany)

LSC - 2018 - AKT1/AKT2 mRNA Balance Is Significantly Different In IPF BAL Cells Compared To Other Fibrotic ILDs.

Eliza Tsitoura (Heraklion (Crete), Greece), Eleni Bibaki (bibakieleni@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Eirini Vasarmidi (eirvasar@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Chara Koutoulaki (xa-ra18@gmail.com / Laboratory of Molecular and Cellular Pulmonology, Medical School, University of Crete, Heraklion), George A. Margaritopoulos (gmargaritop@yahoo.gr / Interstitial Lung Disease Unit, Royal Brompton Hospital, Imperial College, London), Konstantinos Karagiannis (k.karagiannis@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Athanasia Proklou (proklath@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Athina Trachalaki (atrachalaki@gmail.com / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Despoina Moraitaki (mroitaki@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Nikos Tzanakis (tzanakis@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion), Athol U. Wells (rbhild@rbht.nhs.uk / Interstitial Lung Disease Unit, Royal Brompton Hospital, Imperial College, London), Katerina M. Antoniou (kantoniou@med.uoc.gr / Department of Thoracic Medicine, Interstitial Lung Disease Unit, University Hospital, Heraklion)

LSC - 2018 - Azithromycin reduces aSMA and leads to vacuolar formation in lung fibroblasts

Ronja Schliep (Hannover, Germany), Kristina Krempaska (kristina.krempaska@dbmr.unibe.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Sandra Barnowski (sandra.barnowski@dbmr.unibe.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Andrea Stokes (Andrea.Stokes@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Thomas Geiser (Thomas.Geiser@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Lars Knudsen (knudsen.lars@mh-hannover.de / Functional and Applied Anatomy Medical School Hannover, Hannover), Manuela Funke-Chambour (Manuela.Funke-Chambour@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern)

Mesenchymal stem cells reduce ER stress via PERK-Nrf2 pathway in aged mouse model

EUN JOO LEE (Seoul, Republic of Korea), Nayra Cárdenas, Diana Álvarez, Jacobo Sellarés, John Sembrat, Paola Aranda, Yating Peng, Jordan Bullock, Seyed Mehdi Nouraie, Ana L Mora, Mauricio Rojas

Role of serum AGE/RAGEs in the differential diagnosis of pulmonary fibrosis

Carlos Machahua (Hospitalet de Llobregat (Barcelona), Spain), Ana Montes-Worboys, Lurdes Planas-Cerezales, Raquel Buendia-Flores, Maria Molina-Molina, Vanesa Vicens-Zygmunt

17(R)-resolvinD1 mediates a pathway involving the transcription factor c-Fos to reduce bleomycin-induced pulmonary fibrosis in mice.

masakiyo yatomi (maebashi, Japan), Takeshi Hisada, Yoshimasa Hachisu, Yusuke Tsukagoshi, Norimitsu Kasahara, Makiko Sato, Hiroaki Tsurumaki, Haruka Saito, Kenichiro Hara, Yasuhiko Koga, Noriaki Sunaga, Toshitaka Maeno, Kunio Dobashi

Promotion of pulmonary fibroblast migration by bile acid receptor through activation of TGF-β1/p-Smad3 signaling pathway

Handong Jiang (Shanghai, China), Xueqing Liu, Fang Fang Wang

MUC5B is expressed by bronchoalveolar epithelia and is associated with ER stress in idiopathic pulmonary fibrosis and rheumatoid arthritis associated interstitial lung disease

Joyce Lee (Cherry Hills Village, United States of America), Evgenia Dobrinskikh, Alani Estrella, Alex Schulick, Ivana Yang, Paul Wolters, David Schwartz

Peripheral oxidative burst correlates with VEGF serum levels in IPF: modulation by anti-fibrotic treatments

Marialuisa Bocchino (Napoli (NA), Italy), Serena Zanotta, Gaetano Rea, Giorgio Emanuele Polistina, Antonietta Coppola, Domenico Galati

Upregulation of Retinoic Acid-Related Orphan Receptor-alpha (RORα) in IPF; a promising therapeutic target

Eliza Tsitoura (Heraklion (Crete), Greece), Eleni Bibaki, Anastasios Koutsopoulos, Eleni Lagoudaki, Katerina Karagianni, Nikos Tzanakis, Bruno Crestani, Katerina Antoniou

Identification of Cell Populations with Increase Expression of Markers of Cell Senescence in Explanted IPF Lungs

Mauricio Rojas (Pittsburgh, United States of America), Nina Morse, Tracy Tabib, John Sembrat, Kristina Buschur, Humberto Trejo, Tamara Cruz, Lan Tu, Kevin Gibson, Wei Chen, Takis Benos, Ana Mora, Robert Lafyatis

Effect of in vivo blockade of the KCa3.1 ion channel on type II alveolar epithelial cell turnover in pulmonary fibrosis

K. Udari Eshani Perera (Melbourne (VIC), Australia), Louise Organ, Habtamu Biyazen Derseh, Sasika Nimanthi Dewage, Andrew Stent, Ken Snibson

The potential use of immunomodulatory peptides from Brazilian scorpion *Tityus obscurus* as pharmacological therapy for Idiopathic Pulmonary Fibrosis

Karina Smidt Simon (Brasilia (DF), Brazil), Cesar Melo-Silva, Paulo Veloso-Junior, Verônica Amado, Florêncio Cavalcante-Neto, Anamélia Bocca

TIF1? has a protective role in pulmonary fibrosis

Pierre-Marie Boutanquoi (Dijon, France), Guillaume Beltramo, Olivier Burgy, Pierre-Simon Bellaye, Lucile Dondaine, Arnaud Mailleux, Bruno Crestani, Carmen Garrido, Françoise Goirand, Philippe Bonniaud

The efficacy of *Phoenix dactylifera* L. sap for the treatment of lung injury in a murine model of pulmonary fibrosis

Sana BAHRI (Tunis, Tunisia), Raed Abdennabi, Ridha Ben Ali, Mona Mlika, Neji Gharsallah, Khadija Ayed, Saloua Jameleddine

Let7c and AKT1/AKT2 mRNA balance is different In IPF BAL cells compared to other fibrotic ILDs.

Eliza Tsitoura (Heraklion (Crete), Greece), Eleni Bibaki, Eirini Vasarmidi, Athina Trachalaki, Chara Koutoulaki, George A. Margaritopoulos, Konstantinos Karagiannis, Athanasia Proklou, Despoina Moraitaki, Nikos Tzanakis, Athol U. Wells, Katerina M. Antoniou

The profibrotic role of downregulated Na,K-ATPase B1 subunit in alveolar epithelium cells in lung fibrosis

Biyun Li (Beijing, China), Xiaoxi Huang, Xuefeng Xu, Wen Ning, China-Japan Friendship Hospital Dai

Metformin attenuates bleomycin-induced pulmonary fibrosis in mice via IGF-1 suppression

huijuan xiao (Beijing, China), Xiaoxi Huang, Shiyao Wang, Jing Geng, Dingyuan Jiang, Huaping Dai

Plasma mitochondrial DNA as a biomarker of disease progression in idiopathic pulmonary fibrosis

Hee-young Yoon (Seoul, Republic of Korea), Hak-Su Kim, Kwang Min Lee, Kwanghun Choi, Dong Soon Kim, Jin Woo Song

08:30 - 10:30

Poster discussion: Additional latest insights in pulmonary rehabilitation for chronic lung diseases

Disease(s) : **Airway diseases** **Respiratory infections**

Method(s) : Physiology General respiratory patient care Epidemiology Public health

Chairs : Martijn A. Spruit (Horn, Netherlands), Beatriz Abascal Bolado (Santander (Cantabria), Spain)

Fear-avoidance beliefs, exercise capacity, and activity-related dyspnea during pulmonary rehabilitation in patients with COPD

Thomas Janssens (Leuven, Belgium), Zora Van De Moortel, Wolfgang Geidl, Klaus Pfeifer, Nikola Stenzel, Nicola Lehibert, Michael Wittman, Konrad Schultz, Andreas Von Leupoldt

Effect of a conical PEP-mask on dyspnea and exercise endurance in COPD patients: a randomized crossover trial

Chatchai Phimphasak (Khon Kaen, Thailand), Malipron Pukdeechat, David Jones, Chulee Ubolsakka-Jones

Characterization of motivation toward physical activity and sedentary behavior in patients admitted for a rehabilitation program

Guillaume Chevance (Lodeve, France), MéLissa Roux, Amandine Calvat, Julie Boiché, Nelly HéRaud

Bronchodilation or pulmonary rehabilitation: which test of exercise performance yields the greatest response for patients with stable COPD? An RCT.

Theresa Harvey-Dunstan (Leicester (Leicestershire), United Kingdom), Ruth M Tal-Singer, Mike I Polkey, Alan L Hamilton, Michael C Steiner, Michael D Morgan, Sally J Singh

Cardiovascular risk and exercise capacity in COPD

Yousef S Aldabayan (London, United Kingdom), Ahmed M Al Rajah, Abdulelah Aldhahir, Arthur Lemson, George Nava, Jeremy S Brown, John R Hurst

The COPD Assessment Test in patients with non-cystic fibrosis bronchiectasis undergoing pulmonary rehabilitation

Aaron Cole (Harefield, United Kingdom), Claire M Nolan, Ruth E Barker, Sarah E Jones, Suhani Patel, Samantha S-C Kon, William D-C Man

Prevalence of physical limitation in COPD: the short physical performance battery (SPPB)

Victoria Benson (Uxbridge (Middlesex), United Kingdom), Divya Mohan, Matthew Allinder, Nicholas Galwey, Carmel Mceniery, Jonathan Fuld, Charlotte Bolton, William Macnee, John Cockcroft, Ian Wilkinson, Ruth Tal-Singer, Michael Polkey

Impact of Physical Frailty on Pulmonary Rehabilitation and Hospitalisation in COPD

Kola Akinlabi (London, United Kingdom), Binny Patel, Ken Johnston, Bunmi Adebajo, Radoslaw Trojak, Ahmed Alrajeh, Temitayo Magbagbeola, John R Hurst

Impact of mild cognitive impairment on health benefits 6 months after a rehabilitation program

Francois Alexandre (Lodeve, France), Thomas Henry, Laurene Charbonnel, Florence Dupuy, Philippe Guerin, Guillaume Chevance, Nelly Heraud

Online coaching for physical activity in COPD patients: user engagement and determinants

Privender Saini (Eindhoven, Netherlands), Marian Dekker, Lenneke Van Genugten, Rita Priori, Mareike Klee

High flow nasal cannula during walking in severe COPD patients: a randomized controlled trial.

Veronica Rossi (Pavia (PV), Italy), Serena Cirio, Manuela Piran, Giuditta Bettinelli, Laura Zocchi, Piero Ceriana, Annalisa Carlucci

Responsiveness of the EQ-5D to Pulmonary Rehabilitation (PR)

Laura Moth (London, United Kingdom), Lauren Hogg, Lynn McDonnell, Leyla Osman

Relationship of the COTE index with pulmonary rehabilitation outcomes

Angela Burge (Pahran, Australia), Christine McDonald, Ajay Mahal, Catherine Hill, Annemarie Lee, Narelle Cox, Rosemary Moore, Caroline Nicolson, Paul O'Halloran, Aroub Lahham, Rebecca Gillies, Anne Holland

Suitable questionnaires to measure quality of life in patients with asthma bronchial undergoing pulmonary rehabilitation

Larissa Schwarzkopf (Neuherberg, Germany), Boglárka Szentes, Nicola Leibert, Michael Wittmann, Rupert Wagner, Dennis Nowak, Hermann Faller, Michael Schuler, Konrad Schultz

Changes in cognitive function of cognitively impaired patients with COPD after Pulmonary Rehabilitation and 1-year follow-up

Vasileios Andrianopoulos (Schönau am Königssee, Germany), Rainer Gloeckl, Tessa Scheeberger, Nadine Troeller, Ioannis Vogiatzis, Rembert Koczulla, Klaus Kenn

Clustering of patients with end-stage chronic diseases by symptoms: a new approach to identify health needs.

Panaiotis Finamore (Roma (RM), Italy), Martijn Spruit, Jos Schols, Raffaele Antonelli Incalzi, Emiel Wouters, Daisy Janssen

Spot Marching Exercise for home-based pulmonary rehabilitation in COPD: physical performance and quality of life

Chulee Jones (Khon Kaen, Thailand), Chatchai Phimphasak, Maliporn Pukdeecheat, David Jones

Predictors of daily physical activity in COPD patients undergoing pulmonary rehabilitation

Georgios Kaltsakas (Athens, Greece), Maroula Vasilopoulou, Zafeiris Louvaris, Nikolaos Chynkiamis, Stavroula Spetsioti, Eleni Kortianou, Sofia-Antiopi Gennimata, Anastasios Palamidas, Andriana I. Papaioannou, Nickolaos G. Koulouris, Ioannis Vogiatzis

08:30 - 10:30

Poster discussion: Drug-resistant tuberculosis**Disease(s) :** Respiratory infections Respiratory critical care**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care Surgery Cell and molecular biology Public health**Chairs :** Giovanni Battista Migliori (Varese (VA), Italy), Gunar Günther (Windhoek, Namibia)**Outcomes of 6-9-12 months' bedaquiline-containing regimens in MDR/XDR TB after 24 months follow up**

Sergey Evgenievich Borisov (Moscow, Russian Federation), Alexey Filippov, Taysya Ivanushkina, Diana Ivanova, Yuliya Garmash

Outcomes of drug-resistant TB cases undergoing bedaquiline (BQ)-treatment and adjunctive surgery

Sergey Evgenievich Borisov (Moscow, Russian Federation), Lia D'Ambrosio, Rosella Centis, Keertan Dheda, Jan-Willem Alffenaar, Rohit Amale, Evgeny Belilowski, Judith Bruchfeld, Barbara Canneto, Justin Denholm, Raquel Duarte, Aliasgar Esmail, Alex Filippov, Lina Davies Forsman, Mina Gaga, Shashank Ganatra, Gaida Anastasia Igorevna, Barbara Lazaro Mastrapa, Vinicio Manfrin, Selene Manga, Andrey Maryandyshev, Gilbert Massard, Pablo González Montaner, Jai Mullerpattan, Domingo Juan Palmero, Agostina Pontarelli, Apostolos Papavasileiou, Emanuele Pontali, Rodolfo Romero Leyet, Antonio Spanevello, Simon Tiberi, Adrian Tramontana, Zarir Farokh Udwadia, Pietro Viggiani, Dina Visca, Giovanni Sotgiu, Giovanni Battista Migliori

Experience of treatment Pre-XDR and XDR-TB/HIV co-infection with bedaquiline and delamanid containing regimens in Georgia

Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Natalia Bolokadze, Nino Kiria, Lali Mikiashvili

Long-term results of multidrug-resistant tuberculosis treatment.

Mariya Pavlova (St. Petersburg, Russian Federation), Irina Chernokhaeva, Anna Starshinova, Nadezhda Sapozhnikova, Liudmila Archakova, Evgenia Istomina, Elena Ershova

DISCREPANCY ACROSS PHENOTYPIC AND GENOTYPIC RESULTS OF DRUG SUSCEPTIBILITY TESTING OF MYCOBACTERIUM TUBERCULOSIS

Valeriu Crudu (Chisinau, Republic of Moldova), Sofia Alexandru, Alexandru Codreanu, Nelly Ciobanu, Dumitru Chesov, Valentina Vilc, Ana Donica, Elena Romancenco, Ecaterina Noroc, Nadejda Turcan, Christoph Lange

Genotypic and phenotypic drug resistance of M.tuberculosis in patients registered in Moscow, Russia

Evgeny Belilovskiy (Moscow, Russian Federation), Maria Krasnova, Anastasia Khakhalina, Sergey Borisov, Svetlana Safonova, Elena Nosova

Risk factors associated with MDR-TB deaths in Romania - 6 years retrospective study

Ramona Elena Nedelcu (Bucuresti, Romania), Adriana Socaci

Molecular analysis of mutations in genes associated with multidrug-resistance in Mycobacterium tuberculosis isolates from patients with tuberculosis in Moscow region, Russia

Maria Alvarez Figueroa (Pushkino (Moscow Oblast), Russian Federation), Ruslan Ludannyy, Sergey Popov, Igor Mokrousov, Anna Vyazovaya, German Shipulin

Early experience with the implementation of the WHO shorter MDR-TB treatment regimen in Singapore

Hoi Wah She (Singapore, Singapore), Yee Tang Wang, Suay Hong Gan, Angeline Poh Gek Chua, Cynthia Bee Eng Chee

Bacteriological conversion in XDR-TB and RR-TB patients with fluoroquinolone resistance treated with and without new and repurposed anti-TB drugs in Azerbaijan prisons

Alan Altraja (Tartu, Estonia), Elmira Gurbanova, Rafail Mehdiyev, Kai Blöndal

Rising trend of drug resistance among extra pulmonary TB in Northern India

Surya Kant (Lucknow (Uttar Pradesh), India), Anand Kumar Maurya, Vijaya Lakshmi Nag, Jyoti Bajpai

The first experience of therapeutic dendritic cells vaccine administration in patients with extensively drug resistant lung tuberculosis

Anna Starshinova (St. Petersburg, Russian Federation), Michail Filatov, Michail Nazarenko, Vladimir Burdakov, Sergey Landa, Evgenia Istomina, Galina Marfina, Piotr Yablonskiy

Extensively drug-resistant tuberculosis in the penitentiary facilities of the Russian Federation

Larisa Rusakova (Moscow, Russian Federation), Sergey Sterlikov, Sergey Ponomarev

Knowledge and attitudes of chest physicians regarding screening of household contacts of MDR TB patients & infection control.

Jai Mullerpattan (Mumbai (Maharashtra), India), Zarir Udawadia, Shashank Ganatra, Husain Poonawala, Girija Kishore

Metabolism of connective tissue in multidrug-resistant pulmonary tuberculosis

Irina Ovcharenko (Kharkiv, Ukraine), Olga Shevchenko, Olga Pogorelova

Current approaches to formulate evidence-based recommendations: a case study of WHO drug-resistant tuberculosis treatment guidance

Dennis Falzon (Genève, Switzerland), Nathan Ford, Ernesto Jaramillo, Payam Nahid, Pete Cegielski, Holger Schunemann, Jan Brozek, Karin Weyer

Isoniazid resistance is associated with delayed culture conversion during anti-tuberculosis treatment among patients with pulmonary tuberculosis

Chaeuk Chung (Daejeon, Republic of Korea), Ju Ock Kim, Sung-Soo Jung, Jinsook Lim, Ki Man Lee, Kyeong Seob Shin, Jong Hyock Park, Jinsoo Min

08:30 - 10:30

Poster discussion: Asthma analysis**Disease(s) :** Airway diseases Respiratory critical care Respiratory infections**Method(s) :** Imaging Epidemiology Cell and molecular biology General respiratory patient care Physiology Public health Endoscopy and interventional pulmonology**Chairs :** Kamal Maurice Hanna (Cairo, Egypt)

Occupational asthma : still an underdiagnosed disease

Imene MAGROUN BEN SALAH (Ariana, Tunisia), Saloua Ismail, Emna Baraketi, Ines Aissa, Abir Ayadi, Hager Ghannouchi, Sonia Fehri, Samya Jamoussi, Habib Nouaigui

The effect of Corticophobia on Inhaled Corticosteroid Treatment Compliance In Adults with Asthma

Halil Ibrahim Yakar (Istanbul, Turkey), Erkan Ceylan, Asiye Kanbay

Evolution of asthma in relation to the bronchial inflammatory phenotype: a follow-up study

Mikel Sarasate Azkona (Barcelona, Spain), Cayetano Diaz Chantar, Christian Romero, Marian Ramon, Iñigo Ojanguren, Xavier Muñoz, M Jesus Cruz

Obesity-associated asthma – what about weight loss surgery?

Lília Maia Santos (Coimbra, Portugal), Bárbara Ramos, Cláudia Chaves Loureiro

Characterising the Adult Obese-Difficult Asthma Phenotype within the WATCH cohort

Anna Freeman (Southampton, United Kingdom), Adnan Azim, Matt A E Harvey, Heena M Mistry, Hans Michael Haitchi, Colin Newell, Tom M Wilkinson, Judit Varkonyi-Sepp, Frances Mitchell, Ramesh J Kurukulaaratchy

Assessment of nutritional status in Tunisian asthmatic patients

hager kchouk (tunis, Tunisia), Haifa Zaibi, Dorra Karray, Jihen Ben Ammar, Mohamed Ali Baccar, Saloua Azzabi, Besma Dhahri, Hichem Aouina

Very Poorly Controlled Asthma in Low-Income Urban Children: Medication Fill Patterns Tell the Story

Arlene Butz (Baltimore, United States of America), Mary Bollinger, Tricia Morpew

The usefulness of the impulse oscillometry for predicting the treatment outcomes of bronchial thermoplasty in patients with severe asthma.

Akiko Sano (Osaka, Japan), Hiroyuki Sano, Takashi Iwanaga, Osamu Nishiyama, Yuji Tohda

Cluster analysis of cough variant asthma using exhaled value of forced oscillation technique.

Fumika Koike (Kanagawa, Japan), Yoshio Otani, Saki Oyama, Wakaba Furuie, Junji Endo, Yoichi Nakamura, Takao Miyoshi, Miho Akaza, Tetsuo Sasano, Yasunari Miyazaki, Naohiko Inase, Yuki Sumi

The volume fraction of extracellular matrix within the airway smooth muscle layer is related to fixed airflow obstruction in asthma

John Elliot (Perth (WA), Australia), Alvenia Cairncross, Peter Noble, Alan James

Distinct impact of abdominal visceral adiposity on adult asthma symptoms

Houman Goudarzi (Sapporo, Japan), Satoshi Konno, Hirokazu Kimura, Hironi Makita, Munehiro Matsumoto, Nozomu Takei, Hiroki Kimura, Kaoruko Shimizu, Masaru Suzuki, Yoichi Ito, Masaharu Nishimura

Time course relationships of Type 1 and 2 inflammatory and innate immune pathways during Human Rhinovirus (HRV) infection in subjects with asthma

Alex Mann (London, United Kingdom), Michael A Ghebre, Alan Bell, Chris Poll, John Efthimiou

Identification of pulmonary treatable traits in a real-life setting

Jodie Simpson (New Lambton, Australia), Rahul Shrimanker, Samantha Thulborn, Jennifer Cane, Richard Russell, Clare Connolly, Catherine Borg, Ian Pavord, Mona Bafadhel

Particularities of Respiratory functional exploration in obese asthmatic patients

ines laouini (nabeul, Tunisia), Haifa Zaibi, Jihen Ben Ammar, Sarra Mazaoui, Dorra Karray, Med Ali Baccar, Salwa Azzebi, Besma Dhahri, Hichem Aouina

Bronchial provocation test and military aptitude

Amani Ben Mansour (Tunis, Tunisia), Salsabil Daboussi, Samira Mhamdi, Zied Moetemri, Chiraz Aichaouia, Islam Mejri, Mohsen Kadhraoui, Rzeig Cheikh

Longitudinal association between adiposity and wheezing and atopy at 22 years: The 1993 Pelotas Birth Cohort, Brazil.

Paula Duarte de Oliveira (Pelotas (RS), Brazil), Ana Maria Baptista Menezes, Cauane Blumenberg, Efrain Sanchez-Angarita, Ignacio Zabert, Gloria Isabel Niño-Cruz, Janaina Calu Costa, Luiza Isnardi Cardoso Ricardo, Rafaela Costa Martins, Fernando César Wehrmeister

The Correlation between Asthma Control and Total Rescue Asthma Medication Purchases.

Dekel Shlomi (Petach Tikva, Israel), Bernice Oberman, Irit Katz

Evolution of severe asthma during pregnancy

Samia Rached (São Paulo (SP), Brazil), Renato Lima, Blenda Endlich, Gilmar Osmundo Junior, Rossana Francisco, Rodrigo Athanazio, Frederico Fernandes, Alberto Cukier, Rafael Stelmach, Regina Pinto

08:30 - 10:30

Poster discussion: CTD-ILD and hypersensitivity pneumonitis: from the bench to the bedside**Disease(s) :** Interstitial lung diseases Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Imaging Epidemiology Physiology Endoscopy and interventional pulmonology**Chairs :** Elena Bargagli (Firenze (FI), Italy), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)**LSC - 2018 - Physical and biochemical interactions drive fibrocytes accumulation in the scleroderm a lung matrix**

Huanxing Sun (New Haven, United States of America), Julia Winkler (julia.winkler@yale.edu / Yale University, New Haven), Maksym Minasyan (maksym.minasyan@yale.edu / Yale University, New Haven), Hongyi Pan (hongyi.pan@yale.edu / Yale University, New Haven), Omkar Desai (Omkar.desai@yale.edu / Yale University, New Haven), Amanda Pellowe (Amanda.pellowe@yale.edu / Yale University, New Haven), Jia Li (jia.li.jl2875@yale.edu / Shanghai Jiao Tong University, Shanghai), Xueyan Peng (xueyan.peng@yale.edu / Yale University, New Haven), Anjelica Gonzalez (Anjelica.gonzalez@yale.edu / Yale University, New Haven), Erica Herzog (erica.herzog@yale.edu / Yale University, New Haven)

Confocal Laser Endomicroscopy (CLE) for Differentiating the Underlying Cause of Ground Glass Opacities in ILD Patients

Lizzy Wijmans (Amsterdam, Netherlands), Daniel De Bruin, Joris Roelofs, Inge Van Den Berk, Rene Jonkers, Peter Bonta, Venerino Poletti, Jouke Annema

Nintedanib inhibits contractile activity of lung myofibroblasts in a cellular model of scleroderma associated pulmonary fibrosis

Galina Bogatkevich (Charleston, United States of America), Ilia Atanelishvili, Tanjina Akter, Lutz Wollin, Richard M Silver

Significance of pulmonary involvement in systemic sclerosis (SSc)– data from the German SSc-network

Michael Kreuter (Heidelberg, Germany), Francesco Bonella, Nobert Blank, Elise Siegert, Joerg Henes, Margitta Worm, Cord Sunderkoetter, Marc Schmalzing, Alexander Kreuter, Claudia Guenther, Laura Susok, Gabriele Zeidler, Ina Koetter, Ulf Mueller-Ladner, Thomas Krieg, Aaron Juche, Tim Schmeiser, Gabriele Riemekasten, Elisabeth Aberer, Noemi Gaebelein-Wissing, Joerg H. W. Distler, Miklos Sardy, Christiane Pfeiffer, Kathrin Kuhr, Hanns-Martin Lorenz, Pia Moinszadeh, Nicolas Hunzelmann

Health care resources utilisation and costs in patients with non-IPF progressive fibrosing interstitial lung disease

Amy Olson (Denver, United States of America), Toby Maher, Margaret Salisbury, Valentina Acciai, Baher Mounir, Manuel Quaresma, Leila Zouad-Lejour, Christopher Wells, Aryeh Fischer

Incidence, comorbidity and survival rate of hypersensitivity pneumonitis: A population-based study

Anne Hald Rittig (Århus N, Denmark), Ole Hilberg, Anders Løkke

The antifibrotic effect of Imatinib loaded CD44 targeted gold nanoparticles (Im-CD44-GNP) relies on alveolar macrophage regulation

Federica Meloni (Pavia (PV), Italy), Monica Morosini, Veronica Codullo, Vanessa Frangipane, Sara Magni, Helios Recalde, Simona Inghilleri, Giuditta Comolli, Emanuelaa Cova, Carlomaurizio Montecucco, Miriam Colombo, Davide Prospero

Functional analysis of ABCA3 in phosphatidylcholine metabolism

Yang LI (, China), Susanna Kinting, Stefanie Hoepfner, Matthias Griesse

A retrospective clinical review of drug induced interstitial lung disease at a tertiary cancer centre

Fiona Walker (Manchester (Greater Manchester), United Kingdom), Rachel Broadbent, Ben Taylor, Sean Tenant, Kim Linton

Prognostic factors in Korean patients with chronic hypersensitivity pneumonitis

Yeon joo Kim (Seoul, Republic of Korea), Jooae Choe, Eun Jin Chae, Joon Seon Song, Dong Soon Kim, Jin Woo Song

Serum KL-6 as a marker of disease progression in SSc-ILD

Carmel Stock (London, United Kingdom), Rachel Hoyles, Cecile D'Accord, Maria Kokosi, Veronica Alfieri, Corrado Campochiaro, Jackie Donovan, Letizia Mori, Toby M Maher, Vasilis Kouranos, George Margaritopoulos, Peter M George, Philip L Molyneaux, Felix Chua, Voon Ong, Christopher P Denton, Athol U Wells, Elizabetta A Renzoni

Effect of genotype on hypersensitivity pneumonitis despite treatment.

Martina Šterclová (Praha, Czech Republic), Martin Pet Ek, Amit Kishore, Jelena Skibova, Martina Vasakova

Anti-CTGF antibody attenuates silica-induced lung fibrosis in rats

Kenneth Lipson (San Francisco, United States of America), Xiuqing Cui, Zhe Peng, Yun Zhou, Hai Zhang, Yuewei Liu

Impact of a specialist respiratory pharmacist in the management of interstitial lung disease

Mariam Naqvi (London, United Kingdom), Grainne D'Ancona, Alex West

A case series study on re-treatment to lung cancer after drug-induced interstitial lung disease

Satoru Terada (Tenri Nara, Japan), Takashi Haji, Hidetaka Yutani, Masakuni Ueyama, Tomoko Nakanishi, Nobuyoshi Hamao, Takashi Inao, Yusuke Kaji, Takehiro Yasuda, Seisyu Hashimoto, Eisaku Tanaka, Yoshio Taguchi

Impact Prognostic impact of comorbidities in patients with chronic Hypersensitivity Pneumonitis

Julia Wälscher (Heidelberg, Germany), Benjamin Gross, Jacques Bruhwyl, Julie Morisset, Claus Peter Heussel, Felix Lasitschka, Felix F. Herth, Michael Kreuter

Quality of life of the patients followed for diffuse interstitial pneumonitis with fibrosis

elhamdaoui lamyae (casablanca, Morocco), Jabri Hasna, Elkhatabi Wiam, Afif Hicham

08:30 - 10:30

Poster discussion: Interdependence of COPD and comorbidities and the underlying mechanisms**Disease(s) :** Airway diseases Thoracic oncology Respiratory critical care**Method(s) :** General respiratory patient care Endoscopy and interventional pulmonology Imaging Epidemiology**Chairs :** Marjolein Brusse-Keizer (Enschede, Netherlands), Pierre-Régis Burgel (Sorbonne Paris Cité, France)**Comparative analysis of rhythm disturbances in patients with chronic obstructive pulmonary disease (COPD).**

Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin

COPD in patients evaluated for stable myocardial ischemia – observational study

Viktor Hamrefors (Malmö, Sweden), Andreas Jonsson, Artur Fedorowski, Gunnar Engstrom, Per Wollmer

Remodeling of common carotid and common femoral arteries in COPD patients without previously diagnosed cardiovascular diseases (CVD).

Sergey Avdeev (Moscow, Russian Federation), Viliya Gaynitdinova, Natalya Tsareva, Zamira Merzhoeva

The role of interleukin 6 on incident atrial fibrillation in COPD patients

Maxim Grymonprez (Diksmuide, Belgium), Vincent Vakaet, Maryam Kavousi, Bruno H. Stricker, M. Arfan Ikram, Jan J. Heeringa, Oscar H. Franco, Guy G. Brusselle, Lies Lahousse

Mechanisms of Cardiac arrhythmias in patients with chronic obstructive disease (COPD)

Jihen Ben Amar (Tunis, Tunisia), Asma Saidane, Haifa Zaibi, Manel Ben Halima, Sana Ouali, Mohamed Sami Mourali, Besma Dhahri, Hichem Aouina

Association of phase angle and hypoxemia in ambulatory patients with chronic obstructive pulmonary disease and heart failure.

Carmen Linette Olivo Villalobos (Mexico, Mexico), A Orea-Tejeda, D González-Islas, C Chávez-Mendéz, G Dávila-Said, R Sánchez-Santillán, V Peláez-Hernández, C Espinosa-De Los Monteros, M Rivera-Rodríguez, L Castillo-Aguilar, L Hernández-Urquiza, K Balderas-Muñoz

Chronic obstructive pulmonary disease and cardiac remodeling: gender aspect.

Karolina Klester (Barnaul (Altay), Russian Federation), Elena Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin

Prevalence of comorbidities in established and newly treated patients with COPD according to GOLD 2017 in a UK primary care population

David M. G. Halpin (Exeter Devon, United Kingdom), Hilda De Jong, Victoria Carter, Derek Skinner, David Price

Microvascular coronary perfusion and hyperinflation in COPD – data from the LEAD (Lung, hEart, sociAl, boDy) study

Matthias Urban (Wien, Austria), Marie Kathrin Breyer, Robab Breyer-Kohansal, Alina Ofenheimer, Sylvia Hartl, Otto Chris Burghuber

Impact of chronic obstructive pulmonary disease in hospitalized patients who undergo transcatheter aortic valve implantation

Alicia Oliva Ramos (Rivas-Vaciamadrid, Spain), Javier De Miguel Díez, Elena Rodríguez Jimeno, Alicia Cerezo Lajas, Laura Ramirez García, Luis Puente Maestu, Ana López De Andrés, Valentín Hernández Barrera, Rodrigo Jiménez García

COPD in symptomatic aortic stenosis: the importance of correct assessment for defining prognosis

Marzia Rigolli (Oxford (Oxfordshire), United Kingdom), Andrea Rossi, Pier Luigi Temporelli, Giovanni Benfari, Giovanni Cioffi, Nicola Gaibazzi, Stefano Nistri, Federica Guidetti, Luigi Tavazzi, Saul Myerson, Mona Bafadhel, Pompilio Faggiano

Metabolic Syndrome negatively affects pulmonary function in COPD patients

Maria Rosaria Vulpi (Toritto (BA), Italy), Vito Liotino, Anna Castrovilli, Cosimo Tortorella, Giuseppina Piazzolla, Mafalda Candigliota, Onofrio Resta

Osteoporosis onset in patients prescribed ICS for COPD: matched cohort study

Jaco Voorham (Lisboa, Portugal), David Price, Jaco Voorham, Guy Brusselle, Andreas Clemens, Robert Fogel, Hye Yun Park, Jeffrey Stephens, Nicolas Roche

Visceral adiposity index in patients with chronic obstructive pulmonary disease

Orhan Altinöz (Hatay, Turkey), Sakir Ozgur Keskek

Non-traumatic vertebral fractures among COPD patients

Lilach Israeli-Shani (Tel Aviv, Israel), Matthew Koslow, Gali Epstein-Shochet, Ori Wand, David Shitrit

Testosterone levels and their association with COPD severity: A cross sectional study.

Horacio Matias Castro (Ciudad Autónoma Buenos Aires, Argentina), Joaquin Maritano Furcada, Pablo Knoblovits, Sebastian Suarez, Pablo Costanzo

Lung cancer screening in COPD patients.

Maria Pascarella (Basel, Switzerland), Desiree Schumann, Aline Stalder-Siebeneichler, Eleni Papakonstantinou, Corinne Giroy, Nora Oertli, Michael Tamm, Daiana Stolz

Lung Cancer Screening Programs: a missed “window” to diagnose Obstructive Lung Disease. The NLST-ACRIN experience.

Juan Pablo de Torres (Pamplona (Navarra), Spain), Juan Wisnivesky, David Wilson, Ciro Casanova, Jose Maria Marin, Victor Pinto Plata, Miguel Divo, Francesca Polverino, Carlos Cabrera, Javier Zulueta, Bartolome Celli, Gorka Bastarrika

08:30 - 10:30

Oral presentation: Muscle adaptations in response to physiotherapeutic interventions in acute and chronic settings

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Chairs : Wendy Darlene Reid (Toronto ON, Canada), Heleen Demeyer (Barcelona, Spain)

08:30 Early NeuroMuscular Electrical Stimulation reduces muscle mass loss in Critically Ill patients.

Johan Segers (Leuven, Belgium), Daniel Langer, Noppawan Charususin, Bregje Frickx, Inge Demeyere, Beatrix Clerckx, Greet Van Den Berghe, Ilse Vanhorebeek, Greet Hermans, Rik Gosselink

08:45 Effects of early passive cycling exercise on quadriceps femoris thickness in critically ill patients: a controlled randomized pilot study

Isabella Albuquerque (Santa Maria (RS), Brazil), Janice Soares, Dulciane Paiva, Dannuey Cardoso, Maurício Ximenes Carvalho

09:00 Effectiveness of four early-rehabilitation techniques in sedated and ventilated patients in ICU

Clement Medrinal (LE HAVRE, France), Yann Combret, Guillaume Prieur, Aurora Robledo Quesada, Tristan Bonnevie, Francis Edouard Gravier, Elise Dupuis, Eric Frenoy, Olivier Contal, Bouchra Lamia

09:15 Neural or muscular adaptations to low-load/high-repetition knee extension training in people with COPD

Andre Nyberg (Umeå, Sweden), Didier Saey, Mickaël Martin, Mathieu Morissette, François Maltais

09:30 Test-retest reliability of three strategies to measure quadriceps muscle endurance in people with COPD

Erik Frykholm (Umeå, Sweden), Sarah Gephine, Didier Saey, Hieronymus W.H. Van Hees, Peter Klijn, Francois Maltais, Arthur Lemson, Andre Nyberg

09:45 Skeletal limb muscle oxygenation and regional blood volume during incremental loading in interstitial lung disease

Lisa Wickerson (Toronto (ON), Canada), Dina Brooks, Sunita Mathur, Lianne Singer, John Granton, Darlene Reid

10:00 Inspiratory muscle effort, perfusion and oxygenation responses to inspiratory muscle training (IMT) with Tapered Flow Resistive Loading (TFRL) and Normocapnic Hyperpnea (NH) in COPD.

Zafeiris Louvaris (Leuven, Belgium), Sauwaluk Dacha, Lotte Janssens, Rik Gosselink, Ioannis Vogiatzis, Daniel Langer

08:30 - 10:30

Oral presentation: New ideas about respiratory and sleep physiology in children**Disease(s) :** Sleep and breathing disorders**Method(s) :** Physiology Epidemiology General respiratory patient care**Chairs :** Graham Hall (Perth (WA), Australia), Refika Hamutcu Ersu (Istanbul, Turkey)

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|-------|--|
| 08:30 | Glutathione s-transferase genotype determines lung function deficits from infancy to adulthood in those with in utero tobacco exposure
Louisa Owens (Sydney (NSW), Australia), Ingrid Laing, Jasminka Murdzoska, Guicheng Zhang, Peter Lesouef |
| 08:45 | Should bronchodilator response be assessed in all asthmatic children with normal baseline spirometry?
Nicole Beydon (Paris, France), Edouard Dufetelle, Plamen Bokov, Christophe Delclaux |
| 09:00 | Lingual frenulum evaluation in school age children with and without sleep disordered breathing
Melania Evangelisti (Roma (RM), Italy), Mario Barreto, Manuela Cecili, Emanuela Scopelliti, Maria Pia Villa |
| 09:15 | Management of upper airway obstruction in infants with Robin sequence in the United Kingdom
Marie Wright (London, United Kingdom), Sheila Javadpour, Patricia Jackson, Edile Murdoch, Felicity Mehendale, Don Urquhart |
| 09:30 | Validation of the hypoxia challenge test for preterm infants.
Maureen Verheggen (Nedlands (WA), Australia), Tolu Okitika, Claire Shackleton, Rhea Urs, Mary Sharp, Graham Hall |
| 09:45 | Variability of tidal breathing parameters in preterm infants and associations with respiratory morbidity during the first year of life: a cohort-study
Jakob Usemann (Basel, Switzerland), Andrea Suter, Emanuela Zannin, Elena Proietti, Sotirios Fouzas, Sven Schulzke, Philipp Latzin, Urs Frey |
| 10:00 | Role of CO2 monitoring in the diagnosis and management of paediatric sleep disordered breathing
Federica Trucco (Genova (GE), Italy), Andrew Bush, Hui-Leng Tan |

08:30 - 10:30

Oral presentation: Biomarkers in COPD and asthma**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Physiology Cell and molecular biology Epidemiology**Chairs :** Stylianos Loukides (Athens, Greece), Imran Satia (Hamilton (ON), Canada)

- | | |
|-------|--|
| 08:30 | U-BIOPRED accessible handprint: combining omics platforms to identify stable asthma subphenotypes
Bertrand De Meulder (LYON, France), Romain Tching Chi Yen, Chuan-Xing Li, Asa Wheelock, Kian Fan Chung, Ian Adcock, Ratko Djukjanovic, Scott Wagers, John Riley, Veit Erpenbeck, Per Bakke, Massimo Caruso, Pascal Chanez, Sven-Erik Dahlén, Stephen Fowler, Ildiko Horvath, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandström, Dominic Shaw, Florian Singer, Ioannis Pandis, Aruna Bansal, Peter Sterk, Frédéric Baribaud, Charles Auffray |
| 08:45 | Ezrin, a membrane cytoskeleton cross linker protein, as a marker of epithelial damage in asthma
Xin Yao (Nanjing (Jiangsu), China), Man Jia, Xiaoyi Yan, Xinyu Jiang, Jie Jiang, Xia Shan, Xiuwei Zhang, Ian Adcock, Mao Huang |
| 09:00 | Markers of systemic inflammation are associated with increased symptoms and respiratory exacerbations among smokers with preserved spirometry in SPIROMICS
Stephanie Christenson (San Francisco, United States of America), Suresh Garudadri, Prescott G. Woodruff, Meilan K. Han, R. Graham Barr, Eugene Bleecker, Russel Bowler, Alejandro Comellas, Christopher B. Cooper, Gerard Criner, Mark Dransfield, Nadia N. Hansel, Robert Paine, Jerry A. Krishnan, Stephen Peters, Fernando Martinez, Jeff Curtis, Annette Hastie, Wanda O'Neal, David Couper, Neil E. Alexis |
| 09:15 | Investigating the reproducibility of real time breath measurements using proton transfer reaction - time of flight - mass spectrometry for breath of volatile organic compounds in COPD Patients.
Luke Bryant (Leicester (Leicestershire), United Kingdom), Liesl Carr, Ahmed Yousuf, Rebecca Cordell, Michael Wilde, Christopher Brightling, Paul Monks |
| 09:30 | Association between exhaled volatile organic compounds and urinary levels of oral corticosteroids within the U-BIOPRED Cohort
Paul Brinkman (Amsterdam, Netherlands), Waqar Ahmed, Cristina Gómez, Hugo H. Knobel, Hans Weda, Teunis J. Vink, Tamara M. Nijssen, Craig E. Wheelock, Sven-Erik Dahlen, Paolo Montuschi, Richard G. Knowles, Susanne J. Vijverberg, Anke H. Maitland-Van Der Zee, Peter J. Sterk, Stephen J. Fowler |

Temporal Fluctuations of Electronic Nose Signatures in Patients with Asthma and Healthy Controls Challenged With Rhinovirus

Anirban Sinha (Amsterdam, Netherlands), Rianne De Vries, J. W. F. Dagelet, Urs Frey, Rene Lutter, Anke-Hilse Maitland- Van Der Zee, Peter J. Sterk, Faculty of Medicine, University of Patras, Rion), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Vassilios Papaleonidopoulos (papaleonv@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Georgia Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Katerina Kauka (katerinakauka2@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Ioannis Lilis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Rion), Georgios Stathopoulos (gstathop@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Rion)

09:45

Searching for inflammatory and oxidative-stress markers capable of clustering severe asthma.

Giulia Scioscia (Lucera (FG), Italy), Giovanna Elisiana Carpagnano, Donato Lacedonia, Grazia Cotugno, Sonia Santamaria, Mariapia Venuti, Annarita Depalo, Maria Cristina Colanardi, Maria Pia Foschino Barbaro

10:00

08:30 - 10:30

Oral presentation: New perspectives on asthma, cough and laryngeal obstructionDisease(s) : **Airway diseases**

Method(s) : Physiology Endoscopy and interventional pulmonology General respiratory patient care

Chairs : Roberto A. Rabinovich (Edinburgh (Scotland), United Kingdom), Georgios Kaltsakas (Athens, Greece)

Airway closure during metacholine challenge is correlated to body mass index

Roberto Torchio (Venaria Reale (TO), Italy), Laura Barrocu, Carlotta Biglia, Claudio Ciacco, Marco Guglielmo, Fabio Luigi Massimo Ricciardolo

08:30

Role of leptin and cysteinyl leukotrienes in the pathogenesis of exercise-induced bronchoconstriction in obese asthmatic children

Marwa Moaaz (Alexandria, Egypt), Ibrahim El-Akkary, Nader Fasseeh, Mohamed El-Ghazali, Ola Elgaddar

08:45

The Effect of Bronchial Thermoplasty on Lung Function in Severe Asthma Patients

Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N.S. D'Hooghe, Annelies M. Slats, Joost G. Van Den Aardweg, Jouke T. Annema, Peter I. Bonta

09:00

Modulation of Transient Receptor Potential Vanilloid-1 (TRPV1) response by inhaled prostaglandin-E2 and bradykinin

Filippo Liviero (Padova (PD), Italy), Maria Cristina Scarpa, Paola Mason, Gabriella Guarnieri, Piero Maestrelli

09:15

Predictors of manually assisted effectiveness over mechanically assisted cough in ALS patients

Santos Ferrer Espinosa (Valencia, Spain), Jesús Sancho Chinesta, Enric Burés Sales, Emilio Servera Pieras

09:30

Objective quantification and analysis of laryngeal obstruction using deep learning algorithms

Emil S. Walsted (Frederiksberg, Denmark), Jianyu Lin, Daniel S. Elson, James H. Hull

09:45

The ventilatory pattern and the operational volumes during exercise in subjects with diagnosed exercise-induced laryngeal obstruction (EILO)

Antonella LoMauro (Milano (MI), Italy), Henrik Johansson, Andrei Malinovschi, Peter Frykholm, Elisabet Mallmin, Katarina Norlander, Andrea Aliverti, Leif Nordang

10:00

08:30 - 10:30

Oral presentation: Acute pulmonary embolism: from diagnosis to treatmentDisease(s) : **Pulmonary vascular diseases** **Respiratory critical care**

Method(s) : General respiratory patient care Imaging

Chairs : Philippe Girard (Paris, France), Luke Howard (London, United Kingdom)

08:30	Does simplified Well's score combined with age-adjusted d-dimer reduce inappropriate CT pulmonary angiogram and incidence of contrast induced nephropathy? Asim Ahmed (Stoke -On-Trent, United Kingdom), Zeeshan Mustafa, Qandeel Khan, Shahbaz Piracha, Azam Saied, Mohammed Haris, Muhammed Iqbal, Badar Ganaie
08:45	An audit of requests for CT Pulmonary Angiogram in haemodynamically stable non-pregnant patients with suspected pulmonary embolism Joelle Azzopardi (Mosta, Malta), Gabriel Degiorgio, Gabriel Borg, Julian Cassar, Paula Grech, Kyra Bartolo, Brendan Caruana Montaldo
09:00	A radiomics nomogram based on CT pulmonary angiographic data for predicting adverse outcomes in non-high-risk acute pulmonary embolism patients Gang Hou (Shenyang (Liaoning), China), Xiaoming Zhou
09:15	The prognostic value of Red cell distribution width(RDW) in acute pulmonary thromboembolism samaneh parsia (tehran, Islamic Republic of Iran), Nasibeh Hosseinvand, Soheil Peiman
09:30	Determinants and prognostic impact of diagnostic delay in pulmonary embolism Celine GOYARD (Boulogne, France), Benoit Cote, Vincent Looten, Anne Roche, Jean Pastre, Jonathan Marey, Benjamin Planquette, Guy Meyer, Olivier Sanchez
09:45	Prognostic role of respiratory failure in acute pulmonary embolism:a pulmonologist's point of view Roberta Pancani (Pontedera (PI), Italy), Liliana Villari, Ferruccio Aquilini, Alessandro Celi, Antonio Palla
10:00	The evaluation of medication adherence in patients with pulmonary thromboembolism Ilknur Basyigit (Kocaeli, Turkey), Serap Argun Baris, Tuba Ciftci, Serhat Ozgun, Hasim Boyaci

08:30 - 10:30

Oral presentation: Paediatric respiratory infections: translational and clinical perspectives

Disease(s) : **Respiratory infections**

Method(s) : Cell and molecular biology General respiratory patient care

Chairs : Ricardo Miguel Ribeiro Marques Cunha Fernandes (Lisboa, Portugal), Marijke Proesmans (Leuven, Belgium)

08:30	Microbiome Characteristics of Induced Sputum compared to Bronchial Fluid and Upper Airway Samples Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Adilia Warris, Shi-Qi An
08:45	Assessing polymicrobial interactions in a 3D primary airway epithelial cell model Matthew Wee-Peng Poh (Subiaco (WA), Australia), Angela Fonseca, Anthony Kicic, Mark Everard
09:00	Interferon-stimulated gene expression differs in bronchiolitis caused by RSV-A strains NA1 and ON1 Alessandra Pierangeli (Rome, Italy), Carolina Scagnolari, Camilla Bitossi, Agnese Viscido, Antonella Frassanito, Laura Petrarca, Raffaella Nenna, Fabio Midulla
09:15	Blood gas analysis as a marker of severity in acute bronchiolitis Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Christopher Halliday, Ashkan Ziaie, Steve Cunningham
09:30	"Effects" of bronchiolitis on ventilation inhomogeneity (VI) at preschool age: comparison of Multiple Breath Washout (MBW) between post-bronchiolitis, cystic fibrosis and healthy children Giulia Cangiano (Verona (VR), Italy), Riccardo Guarise, Antonella Borruso, Laura Menin, Gloria Tridello, Paolo Biban, Ciro D'Orazio, Fabio Midulla, Sonia Volpi
09:45	Infant bronchiolitis increases the risk of reduced lung function at age 10-13 years (), Riikka Riikonen, Sari Törmänen, Katri Backman, Petri Koponen, Merja Helminen, Kirsi Nuolivirta, Matti Korppi
10:00	Outcomes in protracted bacterial bronchitis (PBB): a five year prospective cohort study Thomas Ruffles (Brisbane (QLD), Australia), Julie Marchant, Ian Masters, Helen Buntain, Greta Busch, John Upham, Danielle Wurzel, Stephanie Yerkovich, Peter Gibson, Katie Baines, Simpson Jodie, Susan Pizzutto, Sandra Hodge, Greg Hodge, Anne Chang

08:30 - 13:00

Game Zone: GAME ZONE - SESSION 5

10:40 - 13:00

Skills workshop: SW17 Essential skills for the intensive care unit

Aims : to learn the essential skills needed for the daily work in intensive care units.

Disease(s) : Respiratory critical care**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Paediatrician, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Cesare Gregoretti (Torino (TO), Italy)**Introduction****Bronchoscopy - the basics**

Speaker to be confirmed

Intubation - how to do it correctly

Tim Frenzel (Nijmegen, Netherlands)

Percutaneous tracheostomy

Momen Wahidi (Durham, United States of America)

How to handle haemoptysis

Michael Tamm (Basel, Switzerland)

10:40 - 13:00

Skills workshop: SW14 Radiological-pathological correlations in different lung diseases for clinicians**Aims :** to demonstrate and discuss the radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.**Disease(s) :** Airway diseases Thoracic oncology**Tag(s) :** Clinical**Target audience :** General practitioner, Nurse, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee**Chairs :** Bogdan Dragos Grigoriu (Bruxelles, Belgium)**Introduction****Lung emphysema**

Claus Peter Heussel (Heidelberg, Germany), Wim Timens (Groningen, Netherlands)

Interstitial fibrosis

Catherine Beigelman-Aubry (Lausanne, Switzerland), Aurelie Fabre (Dublin, Ireland)

Lung cancer

Sebastian Ley (München, Germany)

10:45 - 12:45

Symposium: Fungal infection in the intensive care unit**Aims :** to deepen understanding about how to diagnose and treat bloodstream fungal infections.**Disease(s) :** Respiratory critical care Respiratory infections**Method(s) :** General respiratory patient care Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, Paediatrician, Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Eva Polverino (Barcelona, Spain), Marcus Schultz (Amsterdam, Netherlands)**10:45 Early diagnosis**
David W. Denning (Manchester (Greater Manchester), United Kingdom)**11:15 Fungal infections in immunocompromised patients**
Élie Azoulay (Paris, France)**11:45 Choosing the right antifungal agent**
Marc Leone (Marseille, France)**12:15 The evidence regarding early antifungal treatment**
Andrea Cortegiani (Palermo, Italy)

10:45 - 12:45

Symposium: It's my favourite cell that affects your asthma
Asthma phenotyping and endotyping

Aims : to provide an overview of how mast cells, eosinophils, neutrophils, innate lymphoid cells and airway epithelial cells contribute to the clinical manifestations of asthma. The possible mechanisms by which these cells affect smooth muscle function and bronchial hyper-responsiveness will be discussed along with the therapeutic implications of these novel insights.

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Translational

Target audience : Clinical researcher, General practitioner, Scientist (basic, translational)

Chairs : Guy Brusselle (Ghent, Belgium), Pieter S. Hiemstra (Leiden, Netherlands)

10:45 Role of mast cells in asthma and bronchoconstriction
Hans Jürgen Heinrich Hoffmann (Århus, Denmark)

11:15 Role of eosinophils in asthma and bronchoconstriction
Florence Schleich (Liège, Belgium)

11:45 Role of neutrophils in asthma and bronchoconstriction
Jodie Simpson (New Lambton, Australia)

12:15 Role of innate lymphoid cells and the epithelium in asthma and bronchoconstriction
Cezmi A. Akdis (Davos, Switzerland)

10:45 - 12:45

Symposium: Recent advances in primary ciliary dyskinesia

Aims : to present the general characteristics of primary ciliary dyskinesia (PCD), the recent findings regarding diagnostic tools and the international studies; and to promote further collaboration.

Disease(s) : **Paediatric respiratory diseases Respiratory infections**

Method(s) : Epidemiology General respiratory patient care Imaging Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Bülent Taner Karadag (Istanbul, Turkey), Jane Lucas (Southampton (Hampshire), United Kingdom)

10:45 Genetics of PCD
Heymut Omran (Münster, Germany)

11:15 Diagnosis of PCD
Eric G. Haarman (Amsterdam, Netherlands)

11:45 Clinical characteristics of PCD
Claudia E. Kuehni (Bern, Switzerland)

12:15 Management of PCD in young people and adults
Pierre-Régis Burgel (Sorbonne Paris Cité, France)

10:45 - 12:45

Symposium: New challenges in tackling known diseases with the 10 ERS Principles for Lung Health

Aims : Respiratory diseases are among the leading causes of death and disease in the world. The five respiratory diseases that have the biggest impact are COPD, asthma, lower respiratory tract infections, tuberculosis and lung cancer. The ERS recently published its “10 Principles for Lung Health”. These Principles indicate the diverse actions that the respiratory healthcare community can take to improve lung health, thereby helping the United Nations to achieve its ambitious targets, namely, the reduction of noncommunicable diseases, the induction of sustainable development and the elimination of tuberculosis. However, these actions cannot be viewed in isolation from broader societal challenges and public health topics such as migration and climate change. The aim of this session is to present the key elements of the 10 Principles for Lung Health and to describe the new and emerging challenges, namely, migration and climate change, that may limit the achievements of these Principles.

Disease(s) : Airway diseases Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Allergist, Critical/Intensive care physician, Lung function technologist, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee**Chairs :** Guy F Joos (Ghent, Belgium), Ildikó Horváth (Budakeszi, Hungary)**10:45 Lower respiratory infection and antimicrobial resistance**
Tobias Welte (Hannover, Germany)**11:15 COPD and asthma: the main noncommunicable diseases that should be tackled?**
Antonio Spanevello (Milan, Italy)**11:45 Respiratory health in migrant and refugee populations**
Juan Celedon (Pittsburgh, United States of America)**12:15 Environment, health and climate change: what respiratory professionals need to know**
Isabella Annesi Maesano (Paris, France)**10:45 - 12:45****Hot topics: Recent advances in respiratory disorders with oropharyngeal dysphagia****Aims :** Swallowing disorders are common in respiratory diseases and vice versa, but these combined conditions have been largely ignored to date. To address this, the ERS and the ESSD started a collaboration during the ERS Annual Meeting in London in September 2016. This collaboration aims to promote the development of programs for all patients who have both swallowing and respiratory disorders.**Disease(s) :** Respiratory infections Sleep and breathing disorders**Method(s) :** Physiology**Tag(s) :** Clinical**Target audience :** Clinical researcher, Critical/Intensive care physician, Physiologist, Physiotherapist, Radiologist, Trainee, Adult pulmonologist/Clinician**Chairs :** Thomas Similowski (Paris Cedex 13, France), Paolo Palange (Rome, Italy)**10:45 When swallowing disorders meet respiratory diseases: a clinical point of view**
Eric Verin (ROUEN, France)**11:15 Dysphagia and sleep disorders: from physiology to clinical applications**
Anita Simonds (London, United Kingdom)**11:45 Functional assessment of respiration in patients with progressive neurological diseases**
Andrea Aliverti (Milan, Italy)**12:15 Swallowing dysfunction and aspiration pneumonia: a clinical perspective**
Pierre Clavé (Barcelona, Spain)**10:45 - 12:45****Session: Pulmonary endoscopy****Interstitial lung and obstructive diseases****Aims :** Interstitial lung diseases and obstructive lung diseases constitute a significant part of the workload of pulmonologists. Cryobiopsy is increasingly being used to diagnose these diseases and will be discussed. Endoscopy is a therapeutic option for patients with obstructive lung disease. The techniques that will be demonstrated in this session are the insertion of valves or coils, thermoplasty and cryobiopsy.**Disease(s) :** Thoracic oncology**Tag(s) :** Clinical**Chairs :** Samy Lachkar (Rouen Cedex, France), Daniela Gompelmann (Heidelberg, Germany)**10:45 First procedure: emphysema and valves**
Ralf Eberhardt (Heidelberg, Germany)**11:15 Second procedure: emphysema and coils**
Dirk-Jan Slebos (Groningen, Netherlands)**11:45 Third procedure: asthma and thermoplasty**
Pascal Chanez (Marseille, France)**12:15 Fourth procedure: cryobiopsy**
Venerino Poletti (Forli, Italy)

10:45 - 12:45

Year in review: Scientific Year in Review**Lung cancer development and response to treatment: the role of chronic lung inflammation and the microbiome**

Aims : To present and discuss the role of inflammation and microbial composition in the development of lung cancer and its response to treatment.

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Pathologist, Scientist (basic, translational), Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Silke Meiners (München, Germany), Joachim G.J.V. Aerts (Rotterdam, Netherlands)

10:45 **Determinants of lung cancer evolution: immune escape and inflammation**
Sam Janes (London, United Kingdom)

11:15 **The microbiome, cancer development and response to therapy**
Speaker to be confirmed

11:45 **The link between inflammation and cancer**
Georgios Stathopoulos (München, Germany)

12:15 **The link between inflammation and lung cancer: lessons from chronic obstructive pulmonary disease**
Esther Barreiro Portela (Barcelona, Spain)

10:45 - 12:45

Poster discussion: Asthma and allergy in adults and children and their biomarkers

Disease(s) : Airway diseases Respiratory critical care Respiratory infections

Method(s) : Epidemiology Physiology Public health General respiratory patient care Respiratory intensive care

Chairs : Eva Rönmark (Lulea, Sweden), Judith Garcia Aymerich (Barcelona, Spain)

Cost variations of asthma over 10 years in adults

Laura Portas (Bolzano (BZ), Italy), Lucia Calciano, Angelo Guido Corsico, Lucia Cazzoletti, Isa Cerveri, Margaret W Gerbase, David Gislason, Rune Gronseth, Joachim Heinrich, Rain Jögi, Ane Johannessen, Alessandro Marcon, Isabelle Pin, Margarethe Wacker, Deborah Jarvis, Christer Janson, Simone Accordini

Possible predictors for allergic sensitization at school age in umbilical cord blood, a prospective birth cohort study

Andras Laszlo Soti (Bern, Switzerland), Jakob Usemann, Kathryn Ramsey, Johanna Manuela Kurz, Bettina Sarah Frauchiger, Bianca Schaub, Urs Frey, Philipp Latzin, Oliver Fuchs

Increased prevalence of allergic rhinitis in young men in Western Sweden

Styliana Vasileiadou (Göteborg, Sweden), Emma Goksör, Goeran Wennergren, Roxana Mincheva, Bright Nwaru, Bo Lundbäck, Linda Ekerljung

Physical activity in middle-aged and older asthmatics

Emmely W. de Roos (Rotterdam, Netherlands), Chantal Koolhaas, Johannes In 't Veen, Bruno Stricker, Guy Brusselle, Lies Lahousse

Characteristics and outcomes of chronic cough in individuals with asthma: a population-based study

Morten Dahl (Køge, Denmark), Yunus Çolak, Shoaib Afzal, Peter Lange, Lars Laursen, Børge Nordestgaard

Associations between Fluorescent Oxidation Products (FIOPs) level and change in asthma outcomes

Miora Andrianjafimasy (Villejuif cedex, France), Zeina Akiki, Farid Zerimech, Nicole Le Moual, Valérie Siroux, Orianne Dumas, Régis Matran, Rachel Nadif

Outdoor air pollution, fluorescent oxidation products and persistent asthma: the EGEA study

Anaïs Havet (Villejuif, France), Zhen Li, Farid Zerimech, Margaux Sanchez, Valerie Siroux, Nicole Le Moual, Bert Brunekreef, Nino Küenzli, Benedicte Jacquemin, Raphaëlle Varraso, Régis Matran, Rachel Nadif

New sensitization to *Aspergillus fumigatus* in adult asthma over a 10-year observation period

Kentaro Watai (Sagamihara (Kanagawa prefecture), Japan), Yuma Fukutomi, Hiroaki Hayashi, Maki Iwata, Kisako Nagayama, Yuto Nakamura, Jun Tanaka, Yuto Hamada, Kai Ryu, Yasuhiro Tomita, Chihiro Mistui, Yosuke Kamide, Kiyoshi Sekiya, Akio Mori, Koichiro Asano, Masami Taniguchi

Molecular Epidemiology of *Klebsiella pneumoniae*: multiclonal dissemination of CTX-M-15 Extended Spectrum β -lactamase

Cátia Caneiras (Lisboa, Portugal), Sagrario Mayoralas Alises, Luis Lito, José Melo Cristino, Aida Duarte

Prevalence of adventitious lung sounds in a large population sample.

Juan Carlos Aviles Solis (Trondheim, Norway), Cristina Jácome, Hans Pasterkamp, Hasse Melbye

Lung function in adults conceived by assisted reproductive technologies.

Liam Welsh (Melbourne (VIC), Australia), Sharon Lewis, Joanne Kennedy, Markus Juonala, John Mcbain, Sarath Ranganathan, Jane Halliday

Incidence and remission of asthma in adults: results from the West Sweden Asthma Study

Eivind Christian Borna (Moss, Norway), Bright I Nwaru, Roxana Mincheva, Emma Goksör, Linda Ekerljung

Adolescent smoking by parents and asthma in their children: repeat cross-sectional surveys in England

James Potts (London, United Kingdom), Cecilie Svanes, Simone Accordini, Deborah Jarvis

A retrospective observational study to characterize severe eosinophilic asthma in Taiwan

Sumitra Shantakumar (Singapore, Singapore), Yi-Hsing Chen, Yu-Fan Ho, Li-Wen Tuan, Tsu-Mei Lin

Severe asthma among adults: Prevalence and clinical characteristics

Helena Backman (Lulea, Sweden), Sven-Arne Jansson, Caroline Stridsman, Berne Eriksson, Linnea Hedman, Britt-Marie Eklund, Thomas Sandstrom, Anne Lindberg, Bo Lundback, Eva Ronmark

Domestic exposure to irritant cleaning agents and asthma in women

Pierre Lemire (La Chapelle Gauthier, France), Orianne Dumas, Sebastien Chanoine, Sofia Temam, Gianluca Severi, Marie-Christine Boutron-Ruault, Jan-Paul Zock, Valerie Siroux, Raphaelle Varraso, Nicole Le Moual

Maternal stress at work and in private life during pregnancy and offspring asthma

Kathrine Pape (København Ø, Denmark), Camilla Sandal Sejbæk, Hans Bay, Henrik Albert Kolstad, Jørn Olsen, Karin Sørig Hougaard, Kirsten Skamstrup Hansen, Line Rosendahl Meldgaard Pedersen, Niklas Worm Andersson, Reiner Rugulies, Xiaoqin Liu, Vivi Schlünssen

10:45 - 12:45

Poster discussion: New insights in testing lung and respiratory muscle functions**Disease(s) :** Airway diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology**Method(s) :** Imaging Physiology**Chairs :** Pierantonio Laveneziana (Paris Cedex 13, France), Marieke L. Duiverman (Groningen, Netherlands)**The use of functional respiratory imaging to investigate the impact of an oscillating positive expiratory pressure device on lung dynamics and drug deposition**

Jason Suggett (London (ON), Canada), Vlad Kushnarev, Glenn Leemans, Cedric Van Holsbeke, Dennis Belmans, Jan De Backer

The positive and negative predictive values of an oscillometry upper limit of normal amongst the CanCOLD Cohort

Ronald Dandurand (Beaconsfield (QC), Canada), Pei Zhi Li, Palmina Mancino, Jean Bourbeau

Oscillometry from the CanCOLD Cohort: correlation with spirometry and patient reported outcomes

Ronald Dandurand (Beaconsfield (QC), Canada), Pei Zhi Li, Palmina Mancino, Jean Bourbeau

Early experience of oxygen enhanced magnetic resonance imaging (OE-MRI) in ataxia telangiectasia (A-T)

Andrew Prayle (Nottingham (Nottinghamshire), United Kingdom), Marta Tibiletti, Caroline Youle, Shahideh Safavi, Saleh Alenazi, Jan Alappadan Paul, Andrew Cooper, Brett Haywood, Michael Barlow, Rob Dineen, Matthew Hurley, Geoff J M Parker, Andrew Bush, Ian Hall, Jayesh Bhatt

Measuring lung inhomogeneity in asthma using a novel non-invasive technique

Nayia Petousi (Oxford (Oxfordshire), United Kingdom), Nicholas Smith, Nick Talbot, Grant Ritchie, Ian Pavord, Peter Robbins

Suppression of thoracic movements with intrapulmonary percussive ventilation in healthy subjects

Nicolas Audag (Bruxelles, Belgium), Geneviève Van Ooteghem, Aurora Carrasco, Xavier Geets, Giuseppe Liistro, Grégory Reyckler

Further evidence of a sexual dimorphism in central airway size of adult non-smokers

Troy Cross (Rochester, United States of America), Steven Chase, Courtney Wheatley, Robert Wentz, Bruce Johnson

Changes in diaphragm stiffness assessed with ultrasound shear wave elastography reflect changes in transdiaphragmatic pressure

Damien Bachasson (Paris, France), Martin Dres, Marie-Cécile Nierat, Jonne Doorduyn, Jean-Luc Gennisson, Jean-Yves Hogrel, Thomas Similowski

The relationship between diaphragmatic mobility and chest wall expansion in cerebral palsy

Surussawadi Bennett (Khon Kaen, Thailand), Nittaya Tanrangka, Michael Bennett

Mobility, shortening velocity and diaphragmatic thickness between infants born at term lower than and above 6 months of age: a pilot study

Shirley Campos (Recife (PE), Brazil), Rayane Nunes, Helga De Souza, Fernanda Silva, Paulo Magalhães, Leticia Melo, Armêle Dornelas De Andrade, Cyda Reinaux

Parasternal intercostal muscle ultrasound measurements correlate with disease severity in chronic obstructive pulmonary disease: a pilot study

Peter Wallbridge (Melbourne (VIC), Australia), Selina Parry, Sourav Das, Gary Hammerschlag, Louis Irving, Mark Hew, Daniel Steinfurt

Pathophysiological determinants of the response to hypoglossal nerve stimulation in obstructive sleep apnea

Sara Op de Beeck (Wilrijk, Belgium), Ali Azarbarzin, Marijke Dieltjens, Marc Willemen, Johan A. Verbraecken, Paul H. Van De Heyning, Andrew Wellman, Scott A. Sands, Olivier M. Vanderveken

Multiparametric analysis of sniff nasal inspiratory pressure test in middle stage amyotrophic lateral sclerosis

Jéssica Danielle Medeiros da Fonsêca (Santa Cruz, Brazil), Antonio Sarmento, Andrea Aliverti, Layana Marques, Francesca Pennati, Mario Emilio Dourado-Júnior, Guilherme Fregonezi, Vanessa Resqueti

Effects of posture on peak cough flow and respiratory muscle activation in Duchenne muscular dystrophy

Vanessa Resqueti (Natal (RN), Brazil), Layana Marques, Guilherme Fregonezi, Priscila Santos, Antonio Sarmento, Ana Marcelino, Natália Lopes, Andrea Aliverti, Mario Emilio Dourado Jr

Longitudinal study about the relationship between sarcopenia and lung function

Eun Young Heo (Seoul, Republic of Korea), Goh Eun Chung, Ji Won Yoon, So Hee Oh, Deog-Keom Kim, Hee Soon Chung, Seung Ho Choi

Prediction of Post Op Complication in Patients with Valvular Heart Surgery Based On O2 Challenge Test and A-a Gradient

Behshid Ghadrdoost (Tehran, Islamic Republic of Iran), Hassan Allah Sadeghi, Sarina Sadeghi

Pulmonary function in very long-term survivors after allogeneic stem cell transplantation (aSCT)

Ole Henrik Myrdal (Oslo, Norway), Phoi Phoi Diep, Ellen Ruud, Johny Kongerud, Liv Ingunn Bjoner Sikkeland, May B. Lund

The clinical implementation of haemoglobin measurement for gas transfer

Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Jay Gadher, James Stockley, Brendan Cooper

10:45 - 12:45

Poster discussion: How far are we in terms of predicting mortality and exacerbations in COPD?**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care Physiology Public health**Chairs :** Alexander Mathioudakis (Manchester, United Kingdom), Chair to be confirmed**Short Physical Performance Battery and long term prognosis following severe acute exacerbation of COPD: a prospective cohort study**

Ruth Barker (Aylesbury (Buckinghamshire), United Kingdom), Samantha S C Kon, Sarah E Jones, Matthew Maddocks, Wei Gao, Claire M Nolan, Suhani Patel, Hoi Yee Kwan, Stuart F Clarke, Michael I Polkey, Paul Cullinan, William D-C Man

Prognosis of COPD patients admitted to the ICU in middle income countries

Ivan Kopitovic (Novi Sad, Republic of Serbia), Marija Vukoja, Moldovan Sabo, Zhigang Chang, Yimin Li, Harpreet Singh, Ozlem Cakin, Srdjan Gavrilovic, Ana Andrijevic, Manuel Hache, Rahul Kashyap, Yue Dong, Ognjen Gajic

Predictive value of CD14 and CD31 microparticles for the survival of COPD during 7 years

István Ruzsics (Pécs, Hungary), Margit T kés-Füzesi, Marianna Matancic, Veronika Sárosi, Gábor Woth, Tihamér Molnár

Cluster phenotyping as an approach to identify COPD patients at risk of poor prognosis.

Kristian Brat (Brno, Czech Republic), Marek Plutinsky, Vladimir Koblizek, Jaromir Zatloukal, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Dmitry Rakita, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Pavlina Musilova, Milada Sipkova, Eva Kocova, Barbora Novotna, Ondrej Kudela, Michal Kopecky, Katerina Neumannova, Michal Svoboda, Jiri Jarkovsky, Zuzana Zbozinkova, Jan Svancara, Jaroslav Lnenicka, Vladimir Rihak

Predicting hospital readmissions in severe COPD patients using an electronic-nose.

Ana Rodrigo Troyano (Barcelona, Spain), Jordi Giner, Diego Sousa, Jose Luis Merino, Ana Alonso, Anna Feliu, Vicente Plaza, Borja Garcia-Cosio, Alver Agustí, Oriol Sibila

Vitamin-D deficiency & anaemia in patients with acute exacerbations of COPD (AECOPD); morbidity & mortality.

Niamh Cafferky (Sunderland, United Kingdom), Hussun-Ara Shah, Stephen Murphy

Neural respiratory drive (NRD) to predict long term mortality after an acute exacerbation of COPD (AECOPD)

Maxime Patout (Mont-Saint Aignan, France), Leonor Meira, Rebecca D'Cruz, Georgios Kaltsakas, Gill Arbane, Eui-Sik Suh, Nicholas Hart, Patrick Brian Murphy

Elevated circulating MMP-9 is associated with increased exacerbation risk in COPD: results from SPIROMICS and COPDgene

James Michael Wells (Vestavia Hills, United States of America), Margaret M. Parker, Robert A. Oster, Russell P. Bowler, Mark T. Dransfield, Surya P. Bhatt, Michael H. Cho, Victor Kim, Jeffrey L. Curtis, Fernando J. Martinez, Robert Paine, Wanda O'Neal, Wassim W. Labaki, Robert J. Kaner, Igor Barjaktarevic, Meilan K. Han, Edwin K. Silverman, James D. Crapo, R. Graham Barr, Prescott Woodruff, Peter J. Castaldi, Amit Gaggar

Implementation of the GOLD 2017 disease classification in a real-life COPD cohort

Marek Plutinsky (Brno, Czech Republic), Kristian Brat, Vladimir Koblizek, Patrice Popelkova, Jaromir Zatloukal, Tomas Dvorak, Barbora Novotna, Petr Vanik, Pavlina Musilova, Petr Safranek, Lucie Heribanova, Vladimir Rihak, Milada Sipkova, Dmitry Rakita, Eva Kocova, Katerina Neumannova, Michal Kopecky, Ondrej Kudela, Michal Svoboda, Jan Svancara, Zuzana Zbozinkova, Jaroslav Lnenicka

A service evaluation of the accuracy of the Gold Standard Framework Proactive Indicator Guidance (GSF PIG) in predicting 12 month mortality in patients with a diagnosis of Chronic Obstructive Pulmonary Disease (COPD).

(,), Dennis Wat, Sarah Sibley, Julie Crane

Phenotype-based therapy of COPD: Effect on the rate of COPD exacerbations

Jaromir Zatloukal (Olomouc, Czech Republic), Eva Volakova, Vladimir Koblizek, Michal Svoboda, Patrice Popelkova, Marek Plutinsky, Kristian Brat, Barbora Novotna, Petr Safranek, Tomas Dvorak, Dmitry Rakita, Milada Sipkova, Rastislav Simek, Eva Kocova, Michal Kopecky, Lucie Heribanova, Pavlina Musilova, Blanka Snelerova, Zuzana Liptakova, Katerina Neumannova, Zuzana Zbozinkova

GOLD 2017 versus GOLD 2011 - comparison of the risk of exacerbations and mortality in COPD patients

Iliya Krachunov (Pleven, Bulgaria), Nikolay Kyuchukov, Zlatina Ivanova, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov

Impact of stable state symptoms on the future burden of COPD exacerbations

Alexander Mackay (Basel, Switzerland), Konstantinos Kostikas, Stefan-Marian Frent, Pascal Pfister, Pankaj Goyal, Pritam Gupta, Donald Banerji, Francesco Patalano, Jadwiga A. Wedzicha

COPD exacerbation phenotypes in a five year hospitalisation cohort

Simon Brill (London, United Kingdom), Timothy Jones, Jan Brown, John Hurst, Rama Vancheeswaran

Association between bacterial load and inflammatory gene expression in COPD exacerbations

Hannah O'Farrell (Chermside, Australia), Janet Shaw, Rayleen Bowman, Kwun Fong, Ian Yang

Impact of moderate and severe exacerbations in severe COPD patients

Necdet B Gunsoy (London, United Kingdom), Katie Pascoe, Yumi Asukai, Claire Gait, Dmitry Galkin

VALIDATION OF AN ASSESSMENT TOOL FOR CONTROL IN COPD: ANALYSIS OF CLINICAL VARIABLES.

Pablo Catalan Serra (Valencia, Spain), Bernardino Alcázar, Marc Miravittles, Maribel Marzo, Juan José Soler-Cataluña

10:45 - 12:45

Poster discussion: Current practices in and attitudes to screening for tuberculosis, and a discussion about genetic diversity**Disease(s) :** Respiratory infections**Method(s) :** General respiratory patient care Public health Epidemiology Cell and molecular biology Imaging**Chairs :** Daniela Maria Cirillo (Milano (MI), Italy), Alan Altraja (Tartu, Estonia)**From policy to practice in Europe: a TBNET survey on the delivery of LTBI screening and treatment amongst migrants**

Matthew Burman (London, United Kingdom), Ananna Rahman, Graham Bothamley, Christophe Lange, Heinke Kunst

Cost-Effectiveness of Tuberculosis Screening for Migrant Children in Low-Incidence countries

Jakob Usemann (Basel, Switzerland), Markus Ledergerber, Günther Fink, Nicole Ritz

Preventing the spread of TB among trans-Mediterranean migrants: the role of therapeutic education

Alessandro Etrusco Mastinu (Asti (AT), Italy), Tiziana Stobbione, Rudina Lika

Increasing foreign born tuberculosis cases in Turkey and their detailed analysis with 2016 data.

Suha Özkan (Ankara, Turkey), Erhan Kabasakal, Ay egül Y ld r m, Funda Baykal, Zeki K l çaslan, eref Özkara

Risk factors for tuberculosis in patients with history of incarceration

Soumaya Ben Saad (Ariana, Tunisia), Nourelhouda Mbarek, Ines Mejri, Fatma Tritar

Treatment of latent tuberculosis infection among healthcare workers at a tertiary hospital in Korea

Eun Hye Lee (Seoul, Republic of Korea), Ji Eun Park, Mi Hwa Shin, Sang Hoon Lee, Ah Young Leem, Song Yee Kim, Ji Ye Jung, Moo Suk Park, Young Sam Kim, Joon Chang, Young Ae Kang

Stigma towards tuberculosis patients amongst healthcare workers: Assessing a survey study

Mehmet Sinan Bodur (Diyarbakir, Turkey), Mahsuk Taylan, Haluk Calisir

The risk factors of latent tuberculosis infection among health care workers in South Korea, an intermediate tuberculosis burden country

Jae Seuk Park (Cheonan, Republic of Korea), Gu Hyun Hong, Doh Hyung Kim, Kim Donati (kim.donati@uliege.be / ULiège, Liège), Catherine Gerard (catherine.gerard@uliege.be / ULiège, Liège), Bernard Duysinx (bduysinx@chu.ulg.ac.be / CHU, Liège), Agnes Noel (agnes.noel@ulg.ac.be / ULiège, Liège), Didier Cataldo (didier.cataldo@uliege.be / ULiège/CHU, Liège)

The knowledge and attitudes of hospital staff about tuberculosis

Serap Argun Baris (Kocaeli, Turkey), Ersin Alkilinc, Elif Karasal, Hasim Boyaci, Ilknur Basyigit

Occupational tuberculosis screening for healthcare workers in a UK centre

Mimi Li (Stockton-on-Tees (Cleveland), United Kingdom), Mark Schwec, Nigel Clerk, George Antunes

Effectiveness of X-ray tuberculosis screening in countries with a high burden of tuberculosis

Denis Karostik (Saint-Petersburg, Russian Federation), Irina Kamyshanskaya, Alexander Vodovатов

Cost-effectiveness of two latent tuberculosis infection screening strategies

Raquel Duarte (Porto, Portugal), Ana Sofia Sousa, Ana Isabel Ribeiro, Álvaro Almeida, Ana Maria Correia, Carlos Carvalho

Genetic diversity of M. tuberculosis isolates from patients with drug-resistant TB in Japan

Nobuyuki Kobayashi (Kiyose (Tokyo), Japan), Fuminori Mizukoshi, Tohru Miyoshi-Akiyama, Fumiko Kirikae, Akiko Ichinose, Keiji Funatogawa, Teruo Kirikae, Ken Ohta

Study of molecular-genetic mutations of tuberculosis mycobacteria in patients with pulmonary TB in Azerbaijan

Irada Akhundova (Baku, Azerbaijan), Agigat Kadirova, Rafig Abuzarov, Nuriya Salimova, Gulzar Aliyeva, Mehriban Seyfeddinova

Drug resistance profile of Mycobacterium tuberculosis isolated in Da Nang, Vietnam

Nguyen Hang (Ha Nô i, Vietnam), Minako Hijikata, Naoto Keicho, Shinji Maeda, Le Duc, Nguyen Diem, Nguyen Yen, Ikumi Matsushita, Seiya Kato

Genetic characteristics of M.tuberculosis strains circulating in Belarus

Natalia Yatskevich (Minsk, Belarus), Henadz Hurevich, Alena Skrahina, Alena Nikolenka, Aksana Zalutskaya, Valiantsina Lobik, Hanna Ramaneika, Tatsiana Bushma

Molecular-genetic characteristic of Mycobacterium tuberculosis isolated from people living in closed administrative-territorial formation in Ural region, Russia

Diana Vakhrusheva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Umpeleva, Natalya Eremeeva, Ludmila Golubeva, Ksenya Belousova

Universal genotyping of Mycobacterium tuberculosis (MTb) in Singapore, 2011-2017

Yee Tang Wang (Singapore, Singapore), Leo K Y Lim, Li Yang Hsu, Li-Hwei Sng, Vernon J M Lee, Cynthia B E Chee

10:45 - 12:45

Poster discussion: Telehealth, home rehabilitation and specific adaptations to exercise interventions in different settings**Disease(s) :** Sleep and breathing disorders | Airway diseases | Thoracic oncology | Respiratory infections | Interstitial lung diseases | Respiratory critical care**Method(s) :** General respiratory patient care | Transplantation | Physiology | Respiratory intensive care**Chairs :** Christian Osadnik (Melbourne, Australia), Maria Koulopoulou (London, United Kingdom)**Patient experiences of home-based rehabilitation during treatment for inoperable lung cancer.**

Lara Edbrooke (Melbourne (VIC), Australia), Sanchia Aranda, Catherine Granger, Suzanne Kapp, Linda Denehy

Can exercise capacity be improved after home exercise in COPD patients?

Silvia Regina Valderramas (Curitiba (PR), Brazil), Demetria Kovelis, Camila Mazzarin, Samia Kalil Biazim, Anna Raquel Silveira Gomes

Barriers and enablers of COPD telerehabilitation: a qualitative study taking a frontline staff perspective

Christina Damhus (Copenhagen V, Denmark), Christina Emme, Henrik Hansen

How does a physiotherapy-led remote monitoring service for home mechanical ventilation impact upon patient experience?

Denise Gibson (Southampton (Hampshire), United Kingdom)

Longitudinal, home-based study of lung function, saturation and disease-related symptoms in COPD

Karin Wadell (Umeå, Sweden), Urban Wiklund, Fredrik Öhberg, Eva Bergmann, Åsa Holmner, Anders Blomberg

Impact of single-limb (SL) versus two-limb (TL) low load/high-repetition resistance training (LLHR-RT) on clinical outcomes in people with COPD – a randomized controlled trial.

Andre Nyberg (Umeå, Sweden), Didier Saey, Mickaël Martin, François Maltias

Impact of partitioning exercises on quadriceps muscle endurance and muscle fiber-type distribution following low-load/high-repetition resistance training (LLHR-RT) in people with advanced COPD.

Mickaël Martin, Andre Nyberg, Didier Saey, François Maltias

Interval versus continuous cycling in advanced interstitial lung disease

Lisa Wickerson (Toronto (ON), Canada), Dina Brooks, John Granton, Lianne Singer, Dmitry Rozenberg, Darlene Reid, Sunita Mathur

Comparison of continuous flow versus demand oxygen delivery systems in COPD patients: a systematic review and meta-analysis

Rainer Gloeckl (Schoenau am Koenigssee, Germany), Christian Osadnik, Lisa Bies, Daniela Leitl, Rembert Koczulla, Klaus Kenn

Effects of high-intensity exercise training: what about the asthma-COPD overlap syndrome?

Antenor Rodrigues (Londrina (PR), Brazil), Felipe Vilça Cavalari Machado, Leticia Belo, Lorena Paltain Schneider, Juliana Fonseca, Thamyres Spositon, Fernando Caleffi, Andrea Morita, Igor Lopes Brito, Ana Carolina Andreello, Thais Paes, Carlos Augusto Camillo, Nidia Aparecida Hernandez, Fabio Pitta

Design of pulmonary rehabilitation during acute exacerbations of COPD

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Ana Filipa Marques Rego Machado, Pedro Matos Silva

Community-based pulmonary rehabilitation during acute exacerbations of COPD

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Ana Machado, Ana Oliveira, Carla Valente, Chris Burtin

Efficacy of a comprehensive education program including inhaler training and COPD management during hospitalization of AECOPD, a randomized controlled clinical

Irene Torres Sanchez (Santa Fe, Spain), Maria Granados-Santiago, Laura López-López, María Del Mar Lucena-Aguilera, Ramón Romero-Fernández, Marie Carmen Valenza

Enhancing the understanding of the time course of AECOPD.

Ana Luisa Araújo Oliveira (Vila Nova de Famalicão, Portugal), Vera Afreixo, Carla Valente, LiLia Andrade, Alda Marques, New Haven, CT, USA, New Haven), Nikolaos Xylourgidis (nikosxylourgidis@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Guoying Yu (guoyingyu@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Jose D. Herazo-Maya (joseherazomaya@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Leonard Bizenhofer (leonardbizenhofer@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Anton Bennett (bennett@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven), Naftali Kaminski (naftalikaminski@gmail.com / Department of Internal Medicine, Section of Pulmonary, Critical Care and Sleep Medicine, Yale School of Medicine, New Haven, CT, USA, New Haven)

Acute exacerbation in COPD and relationship between cardiovascular risk and functional profile

Alessandro Heubel (Bauru, Brazil), Erika Kabbach, Jéssica Barbosa, Aline Agnoletto, Nathalia Dias, Audrey Borghi-Silva, Meliza Roscani, Renata Mendes

Comparing the effects of pulmonary rehabilitation in patients with uncontrolled and partially controlled asthma

Ilknur Naz (Izmir, Turkey), Hulya Sahin

The effect of pulmonary rehabilitation on health-related quality of life in patients with pulmonary sarcoidosis

Katerina Neumannova (Olomouc, Czech Republic), Monika Zurkova, Jakub Zatloukal, Vladimira Lostakova, Lia Hubackova, Vitezslav Kolek

10:45 - 12:45

Poster discussion: Pathobiology of pulmonary hypertension

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Chairs : Christophe Guignabert (Paris, France)

LSC - 2018 - Pulmonary vascular remodeling mediated by ADORA2B in pulmonary artery smooth muscle cells

Tinne C. J. Mertens (Houston, United States of America), Ankit Hanmandlu (ankit.hanmandlu@utexas.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Ly Tu (Ly.Tu@inserm.fr / INSERM UMR_S 999, Université Paris-Sud, LE PLESSIS-ROBINSON), Carole Phan (phan.carole@gmail.com / INSERM UMR_S 999, Université Paris-Sud, LE PLESSIS-ROBINSON), Scott Collum (scott.d.collum@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Ning-Yuan Chen (ning-yuan.chen@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Jonathan Davies (jldavies@texaschildrens.org / Department of Pediatrics, Baylor College of Medicine, Houston), Ashrith Guha (gashrith@houstonmethodist.org / DeBakey Heart & Vascular Center, Houston Methodist Hospital, Houston), Holger Eltzschig (holger.eltzschig@uth.tmc.edu / Department of Anaesthesiology, McGovern Medical School, UTHealth, Houston), Michael Blackburn (michael.r.blackburn@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Christophe Guignabert (guignabert@gmail.com / INSERM UMR_S 999, Université Paris-Sud, Houston), Harry Karmouty-Quintana (harry.karmouty@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston)

LSC - 2018 - Alternative Polyadenylation (APA) modulates extracellular matrix deposition in pulmonary hypertension

Scott Collum (Houston, United States of America), Tingting Weng (Tingting.Weng@uth.tmc.edu / UTHealth, Houston), Adriana Hernandez (Adriana.M.Hernandez@uth.tmc.edu / UTHealth, Houston), Tinne Mertens (Tinne.C.Mertens@uth.tmc.edu / UTHealth, Houston), Ning-Yuan Chen (Ning-Yuan.Chen@uth.tmc.edu / UTHealth, Houston), Ashrith Guha (gashrith@houstonmethodist.org / DeBakey Heart & Vascular Center, Houston), Keith Youker (kayouker@houstonmethodist.org / DeBakey Heart & Vascular Center, Houston), Eric Wagner (ejwagner@UTMB.EDU / UTMB, Galveston), Leng Han (Leng.Han@uth.tmc.edu / UTHealth, Houston), Michael Blackburn (Michael.R.Blackburn@uth.tmc.edu / UTHealth, Houston), Harry Karmouty-Quintana (Harry.Karmouty@uth.tmc.edu / UTHealth, Houston)

NMR serum metabolomics for understanding the pathophysiology of COPD associated PH: A pilot study

Koel Chaudhury (Kharagpur (West Bengal), India), Priyanka Choudhury, Nilanjana Ghosh, Mamata Joshi, Parthasarathi Bhattacharyya

KCNK3 channel inactivation leads to pulmonary vascular alterations in rat

Mélanie Lambert (Le plessis robinson, France), Veronique Capuano, Angele Boet, Aurelie Hautefort, Thomas Bertero, Boris Manoury, David Montani, Marc Humbert, Frederic Perros, Fabrice Antigny

Implication of the histone methyltransferase EZH2 in pulmonary arterial hypertension

Olivier Boucherat (Québec (QC), Canada), Karima Habbout, Steeve Provencher, Sébastien Bonnet

Functional changes in peripheral blood derived outgrowth endothelial progenitor cells from PAH patients in response to hypoxia

Rebecca Harper (Adelaide (SA), Australia), Suzanne Maiolo, Michaelia Cockshell, Claudine Bonder, Paul Reynolds

Pulmonary Arterial Hypertension Affects the Rat Gut Microbiome

Francisco Perez Vizcaino (Madrid, Spain), Maria Callejo, Gema Mondejar-Parreño, Bianca Barreira, José Luis Izquierdo-Garcia, Daniel Morales-Cano, Sergio Esquivel-Ruiz, Laura Moreno, Angel Cogolludo, Juan Duarte

A novel piperidine attenuates pulmonary arterial hypertension via regulating BMP2 and PTGS2 levels

Jun YANG (, China), Yanjiang Xing, Fang Zhou, Xin Zhao, Rafia Al-Lamki, Mingxia Du, Guangdong Shang, Nicholas W Morrell

The BRD4-PLK1 Axis Drives Vascular Remodeling in PAH

Olivier Boucherat (Québec (QC), Canada), Eve Tremblay, Sandra Martineau, Ravi Jahagirdar, Ewelina Kulikowski, Steeve Provencher, Sébastien Bonnet

Role of CHK1 in Pulmonary Arterial Hypertension

Olivier Boucherat (Québec (QC), Canada), Alice Bourgeois, Sandra Breuils-Bonnet, Steeve Provencher, Sébastien Bonnet

Mutations in the bone morphogenic protein receptor 2 promoter in heritable pulmonary arterial hypertension

Christina Eichstaedt (Heidelberg, Germany), Jie Song, Rebecca Rodríguez Viales, Zixuan Pan, Christine Fischer, Katrin Hinderhofer, Ekkehard Grünig

Immune repertoire-based signatures in pre-capillary pulmonary hypertension

Sebastien J. Dumas (Le Plessis-Robinson, France), Morad Nakhleh, David Montani, Barbara Girerd, Andreij Seferian, Peter Dorfmueller, Isabelle Klingel-Schmitt, Matthieu Vocelle, Anais Courtier, Orchidee Filipe-Santo, Gilles Parmentier, Solene Perez, Caroline Superbielle, Sophie Caillat-Zucman, Darteville Philippe, Gerald Simonneau, Frederic Perros, Marc Humbert, Sylvia Cohen-Kaminsky

Long noncoding RNA H19 in the pathogenesis of right ventricular failure with pulmonary arterial hypertension

Junichi Omura (Osaka, Japan), Sandra Breuils-Bonnet, Olivier Boucherat, Steeve Provencher, Sébastien Bonnet

Outgrowth, proliferative speed and angiogenic capacity of Endothelial Colony Forming Cells (ECFC) correlate with disease severity and right ventricular (RV) adaptation in Pulmonary Arterial Hypertension (PAH) patients

Josien Smits (Amsterdam, Netherlands), Dimitar Tasev, Robert Szulcek, Stine Andersen, Steffen Ringaard, Janus Hyldebradt, Asgar Andersen, Anton Vonk-Noordegraaf, Pieter Koolwijk, Harm-Jan Bogaard

Uric acid contributes to the progression of pulmonary hypertension in rodents and humans

Laurent Savale (Le Kremlin-Bicêtre, France), Satoshi Akagi, Ly Tu, Raphaël Thuillet, Jennifer Bordenave, Thimoté Quatremare, Amélie Cumont, Carole Phan, Alice Huertas, Marc Humbert, Yuichi Tamura, Chrstophe Guignabert

Fine structural modifications of heparan sulfate sulfation patterns in lung are associated with functional effects in Precapillary Pulmonary Hypertension

Patricia ALBANESE (Creteil, France), Sébastien Dumas, Benoit Ranchoux, Sara Shamdani, Sandrine Chantepie, Minh Bao Huynh, David Montani, Barbara Girerd, Peter Dorfmueller, Elie Fadel, Philippe Darteville, Frederic Perros, Marc Humbert, Dulce Papy-Garcia, Sylvia Cohen-Kaminsky

Pharmacological activation of Nur77 enhances BMP signalling and inhibits vascular remodelling in pulmonary arterial hypertension

Konda Babu Kurakula (Leiden, Netherlands), Xiao-Qing Sun, Chris Happé, Marie-José Goumans, Harm Jan Bogaard

NMDA receptor activation promotes vascular remodeling and pulmonary arterial hypertension

Sebastien J. Dumas (Le Plessis-Robinson, France), Gilles Bru-Mercier, Audrey Courboulain, Marceau Quatredeniens, Catherine Rucker-Martin, Fabrice Antigny, Morad Nakhleh, Benoit Ranchoux, Elodie Gouadon, Maria-Candida Vinas, Matthieu Vocelle, Nicolas Raymond, Peter Dorfmueller, Elie Fadel, Frederic Perros, Marc Humbert, Sylvia Cohen-Kaminsky

10:45 - 12:45

Oral presentation: Novel findings in biomarkers of tobacco use, exposure, hazards and genetics**Disease(s) :** Respiratory infections Airway diseases**Method(s) :** Public health Cell and molecular biology Epidemiology General respiratory patient care**Chairs :** Elif Dagli (Istanbul, Turkey), Charlotta Pisinger (Glostrup, Denmark)

- 10:45 Tobacco consumption, systemic inflammation, and airflow limitation: a Mendelian randomization analysis of 98085 individuals**
Shoaib Afzal (Herlev, Denmark), Yunus Çolak, Peter Lange, Børge G. Nordestgaard
-
- 11:00 Smoking causes early biological aging: a deep neural network analysis of common blood test results**
Neil Skjodt (Lethbridge (AB), Canada), Polina Mamoshina, Kirilli Kochetov, Franco Cortese, Anna Kovalchuk, Alex Aliper, E Putin, Morten Scheibye-Knudsen, Charles R Cantor, Alex Zhavoronkov, Olga Kovalchuk
-
- 11:15 PLASMA/SALIVA AND GENOTYPIC/PHENOTYPIC DIFFERENCES OF NICOTINE METABOLITE RATIO.**
Gianfranco Puppo (Pisa (PI), Italy), Francesco Pistelli, Stefano Fogli, Marzia Del Re, Marco Lazzeretti, Ferruccio Aquilini, Romano Danesi, Laura Carrozzi, Antonio Palla
-
- 11:30 Assessment of the effect of exposure to environmental tobacco smoke on hair heavy metal levels in children**
Fatma Nazan Çobano lu (Ankara, Turkey), Fatih Gunay, Nisa Eda Cullas Ilarslan, Filiz Bakar, Kiymet Deniz, Yusuf Kagan Kadioglu, Sibel Kiran, Nazan Cobanoglu
-
- 11:45 Cigarette smoking acutely decreases the serum levels of the COPD biomarker sRAGE**
Simon D. Pouwels (Groningen, Netherlands), Frank Klont, Marcel D. Kwiatkowski, Valerie R. Wiersma, Péter Horvatovich, Rainer Bischoff, Nick H.T. Ten Hacken
-
- 12:00 The associations between an IL-2 gene polymorphism and smoking in patients with recurrent pulmonary tuberculosis (RTB)**
Dmytro Butov (Kharkiv, Ukraine), Mihailo Kuzhko, Tatiana Butova
-
- 12:15 Identification of smokingstatus from routine blood test results using deep neural network analysis.**
Neil Skjodt (Lethbridge (AB), Canada), Polina Mamoshina, Kirill Kochetov, Franco Cortese, Anna Kovalchuk, Alex Aliper, E Putin, Morten Scheibye-Knudsen, Charles R. Cantor, Alex Zhavoronkov, Olga Kovalchuk

10:45 - 12:45

Oral presentation: Progress in rare interstitial lung diseases**Disease(s) :** Interstitial lung diseases**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology**Chairs :** Francesco Bonella (Düsseldorf, Germany), Sergio Harari (Milano (MI), Italy)

- 10:45 Genetic landscape of pulmonary langerhans cell histiocytosis**
Fanélie Jouenne (Paris, France), Gwenael Lorillon, Carine Laurent-Issartel, Aurélie Sadoux, Véronique Meignin, Cristina Leschi, Emmanuelle Bugnet, Samia Mourah, Abdellatif Tazi
-
- 11:00 Chemotherapy in patients with pulmonary Langerhans cell histiocytosis**
El bieta Radzikowska (Warszawa, Poland), Elzbieta Wiatr, Katarzyna Blasnska-Przerwa, Kazimierz Roszkowski-Sliz
-
- 11:15 Fatal cases of pulmonary alveolar proteinosis: a nationwide surveillance in Japan**
Yoshikazu Inoue (Osaka, Japan), Etsuro Yamaguchi, Yasuhiro Setoguchi, Toshio Ichiwata, Masahito Ebina, Kazutoshi Cho, Ryushi Tazawa, Haruyuki Ishii, Takahiko Kasai, Masanori Akira, Toru Arai, Kanji Uchida, Hiroshi Kida, Konosuke Morimoto, Masanori Kitaichi, Chikatoshi Sugimoto, Koh Nakata, Kanako Katayama, Naoko Takeuchi, Akiko Matsumuro
-
- 11:30 Characterization of the gene network driving the whole lung lavage (WLL) outcome in Pulmonary Alveolar Proteinosis (PAP).**
Ilaria Campo (Pavia (PV), Italy), Michele Zorzetto, Francesco Bonella, Francesca Mariani, Elena Paracchini, Zamir Kadija, Mario Grassi, Federica Meloni
-
- 11:45 Vascular endothelial growth factors and matrix metalloproteinases serum levels for LAM diagnosis in patients with sporadic LAM and tuberous sclerosis**
Silvia Terraneo (Arosio (CO), Italy), Fabiano Di Marco, Gianluca Imeri, Lisa Giuliani, Silvia Ancona, Paola Cetrangolo, Enzo Grasso, Stefano Centanni, Elena Lesma

12:00 **A national registry for childhood interstitial and diffuse lung diseases in the United States.**
Lisa Young (Nashville, United States of America), Rebekah Nevel, Alicia Casey, Martha Fishman, Sebastian Welsh, Deborah Liptzin, James Hagood, Geoffrey Kurland, Daniel Craven, Elizabeth Fiorino, Jane Taylor, Samuel Goldfarb, Carol Conrad, Christin Kuo, Gail Deutsch, Aliva De, Michael Powers, Robin Deterding

12:15 **Pulmonary interstitial Glycogenosis – a systematic analysis of new cases**
Elias Seidl (München, Germany), Julia Carlens, Simone Reu, Martin Wetzke, Julia Ley-Zaporozhan, Frank Brasch, Waldtraut Wesselak, Andrea Schams, Daniela Rauch, Luise Schuch, Matthias Kappler, Petra Schelstraete, Monika Wolf, Floria Stehling, Eric Haarmann, Dorine Borensztajn, Moniek Van De Loo, Sune Rubak, Bernd Hinrichs, Nicolaus Schwerk, Matthias Griesse

10:45 - 12:45

Oral presentation: General thoracic surgery

Disease(s) : Airway diseases Thoracic oncology Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Surgery Cell and molecular biology

Chairs : Cagatay Tezel (Istanbul, Turkey), Laureano Molins Lopez-Rodo (Barcelona, Spain)

10:45 **Tumor marker assessment in cytologically negative pleural effusions from lung cancer by Machine Learning-based approach**
Stefano Elia (Roma (RM), Italy), Gianni D'Angelo, Alessandro De Stefano, Renato Massoud, Roberto Sorge, Claudio Cortese

11:00 **Is there still a diagnostic indication for surgical lung biopsy in Interstitial Lung Diseases? A Comparative study between Cryobiopsy and Surgical Biopsy on 677 patients.**
Stefano Sanna (forli, Italy), Claudia Ravaglia, Marta Mengozzi, Desideria Argnani, Anna Mariantonia Parisi, Sara Tomassetti, Jury Brandolini, Venerino Poletti, Maurizio Salvi

11:15 **Relationship between emphysematous lung volume and pulmonary function changes for lobectomized patients.**
Masanori Yokoba (Sagamihara (Kanagawa prefecture), Japan), Tsuyoshi Ichikawa, Shinya Harada, Tomoya Fukui, Satoshi Igawa, Hisashi Mitsufuji, Jiichiro Sasaki, Masaru Kubota, Katsuhiko Naoki, Yukitoshi Sato, Masato Katagiri

11:30 **Systematic Review and Meta-Analysis of Endoscopic Lung Volume Reduction Using Endobronchial Valves in Severe Emphysema: Are They Better?**
Luca Bertolaccini (Bologna (BO), Italy), Fabrizio Minervini, Piergiorgio Solli, Benedetta Bedetti, Alberto Pesci, Roberto Crisci, Marco Scarci

11:45 **Connection in between the parameters of pulmonary rehabilitation and complication rate in thoracic surgery**
Attila Vagvolgyi (Budakeszi, Hungary), Zsolt Rozgonyi, Maria Kerti, Zsuzsanna Balogh, Csaba Feher, Miklos Molnar, Paul Vadasz, Janos Tamas Varga

12:00 **Multicentre Validation of a Prediction Score of Prolonged Air Leak for VATS Lobectomies**
Luca Bertolaccini (Bologna (BO), Italy), Benedetta Bedetti, Davide Patrini, Yaron Shargall, Piergiorgio Solli, Emanuele Pironcini, Roberto Crisci, Marco Scarci

12:15 **Uniportal Videothoroscopic Surgery on awake patients**
Kalliopi Athanassiadi (Athens, Greece), Ioannis Alevizakis, Ioanna Sigala, Niki Gianniou, Afroditi Antoniou, Dimitrios Magoulitis, Ioannis Kalomenidis, Spiros Zakyntinos

10:45 - 12:45

Oral presentation: Imaging biomarkers and quantitative imaging

Disease(s) : Airway diseases

Method(s) : Imaging Physiology

Chairs : Aleksandar Grgic (Homburg, Germany), Johan Coolen (Leuven, Belgium)

10:45 **Airway tapering in bronchiectatic and healthy airways**
Kin Quan (London, United Kingdom), Joseph Jacob, Rebecca J. Shipley, David J. Hawkes, John R. Hurst

11:00 **Association of airways visibility on computed tomography with symptoms and lung function in COPD**
Naoya Tanabe (Kyoto, Japan), Susumu Sato, Shigeo Muro, Tsuyoshi Oguma, Atsuyasu Sato, Toyohiro Hirai

11:15 **Using DPM CT analysis to assess the contribution of small airways disease in COPD**
Kristoffer Ostridge (Southampton (Hampshire), United Kingdom), Kerry Gove, Miranda Kirby, Sam Peterson, Steven Mceleney, Chris McCrae, Outi Vaarala, Karl Staples, Tom Wilkinson

- 11:30 Quantitative computed tomography imaging in asthma and chronic obstructive pulmonary disease.**
Andrzej Obojski (Wrocław, Poland), Mateusz Patyk, Martyna Parkitna-Patyk, Dąbrowska Sokołowska-Dąbek, Urszula Zaleska-Dorobisz
- 11:45 PRM metrics predict COPD progression**
Paula Belloni (Half Moon Bay, United States of America), Dorothy Cheung, Xiaoying Yang, Alex De Crespigny, Alexandre Coimbra
- 12:00 Regional detection of edema following segmental LPS challenge using functional MR imaging**
Jens Vogel-Claussen (Hannover, Germany), Julius Renne, Heike Biller, Marcel Gutberlet, Christoph Czermer, Marilisa Schiweck, Kathrin Hohl, Frank Risse, Maria Sarno, Abhya Gupta, Jens Hohlfeld
- 12:15 Assessing regional lung ventilation with 19F-MRI of inhaled perfluoropropane**
Benjamin Pippard (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Mary Neal, Adam Maunder, Ian Forrest, Ian Sabroe, Rod Lawson, A John Simpson, Jim Wild, Pete Thelwall

10:45 - 12:45**Oral presentation: CTD-ILD and hypersensitivity pneumonitis: risk stratification and management**Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care

Chairs : Elisabetta Renzoni (London, United Kingdom), Julie Morisset (Montréal (QC), Canada)

- 10:45 A prognostic staging system for rheumatoid arthritis-associated interstitial lung disease**
Jin Woo Song (Seoul, Republic of Korea), Hocheol Kim, Minkyu Han, Jacob Joseph, Gary Cross, Joseph Barnett, Dong Soon Kim
- 11:00 Prognostic impact of bronchoalveolar lavage lymphocytosis in patients with chronic Hypersensitivity Pneumonitis**
Julia Wälscher (Heidelberg, Germany), Benjamin Gross, Jacques Bruhwyler, Julie Morisset, Claus Peter Heussel, Felix Lasitschka, Felix Herth, Michael Kreuter
- 11:15 Lung involvement and clinical characteristics in anti-MDA5 positive connective tissue diseases**
Federica Meloni (Pavia (PV), Italy), Jose M Cifrian, Alberto Pesci, Ricardo Coelho, Mayra Mejia, Francesco Bonella, Julie Perrin, Paolo Ceruti, Raquel García-Sevill, Elena Bargagli, Sandrine Hirschi, Veronica Codullo, Lorenzo Cavagna
- 11:30 Genetic variant in MMP2 increases the risk to develop autoantibodies in patients with Hypersensitivity Pneumonitis**
Ivette Buendia Roldán (México D.F., Mexico), Luis Santiago Ruiz, Gloria Perez Rubio, Mayra Mejia, Martha Montaña, Ramces Falfán Valencia
- 11:45 Cystic lesion in myeloperoxidase anti-neutrophil cytoplasmic antibody (MPO-ANCA)- positive interstitial pneumonia: radiological and pathological analysis**
Erina Tabata (Kanagawa, Japan), Tamiko Takemura, Tomohisa Baba, Eri Hagiwara, Hiroaki Nakagawa, Takuma Katano, Goshi Matama, Naoto Aiko, Kohsuke Isomoto, Ryota Ohtoshi, Ryota Shintani, Shinko Sadoyama, Satoshi Ikeda, Hideaki Yamakawa, Takashi Niwa, Tsuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Shigeru Komatsu, Tae Iwasawa, Takashi Ogura
- 12:00 The effect of Rituximab treatment on progression of Rheumatoid arthritis-associated interstitial lung disease**
Sukhmani Sra (London, United Kingdom), Katherine Myall, Boris Lams, Sangita Agarwal, Alex West
- 12:15 Safety of benzodiazepines and opioids in interstitial lung disease: national prospective study**
Sabrina Bajwah (London, United Kingdom), Joanna Davies, Hanan Tanash, David Currow, Magnus Ekstrom

10:45 - 12:45**Oral presentation: Quality, reference values and standards**Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Physiology

Chairs : Jane Kirkby (Sheffield, United Kingdom), Maureen P. Swanney (Christchurch, New Zealand)

- 10:45 Development and pilot evaluation of a quality grading system for paediatric spirometry**
Lucy Perrem (Toronto (ON), Canada), Felix Ratjen, Sharon Dell, David Wilson
- 11:00 Impact of shorter time interval between duplicate DLCO measurements**
Azar Kianzad (Amsterdam, Netherlands), Jan Fijn, Pieter Zanen, Ivo Van Der Lee

- 11:15 Hypoxic challenge testing in the UK and Australia & New Zealand**
Harry Griffin (Whitchurch, United Kingdom), Ashvin Isaac, William Noffsinger, Bhajan Singh, Helen Purcell
- 11:30 Spirometry reference values for Australian Aboriginal and Torres Strait Islander (Indigenous) children and young adults**
Tamara Blake (South Brisbane, Australia), Mark Chatfield, Anne Chang, Helen Petsky, Margaret McElrea
- 11:45 Evaluation of the ERS'93 reference equations of Total Lung Capacity**
Kevin De Soomer (Burcht, Belgium), Birgitte Hansen, Hilde Vaerenberg, Hilde Cuijpers, Karla Leemans, Ellie Oostveen
- 12:00 The impact of a new reference value set for diffusing capacity for patients with idiopathic pulmonary fibrosis.**
Monique Wapenaar - De Korver (Vlaardingen, Netherlands), J.R. Miedema, C.J. Lammering, M.S. Wijsenbeek
- 12:15 The impact of changing to the GLI reference equations on transfer factor results in children referred from a Haematology/Oncology service.**
Paul Burns (Glasgow (Glasgow), United Kingdom), James Paton

10:45 - 12:45**Oral presentation: Pulmonary embolism: long-term sequelae and advances in therapies****Disease(s) :** Pulmonary vascular diseases**Method(s) :** Epidemiology Imaging Respiratory intensive care General respiratory patient care**Chairs :** Carlos Andres Quezada Loaiza (Las Rozas (Madrid), Spain), Francis Couturaud (Brest, France)

- 10:45 Variants of genes related to cardiovascular disease in patients with pulmonary thromboembolism**
Ayse Gul Zamani (Konya, Turkey), Adil Zamani, Celalettin Korkmaz, Sebnem Yosunkaya, Mahmut Selman Yildirim
- 11:00 Percutaneous catheter-directed thrombectomy in patients with severe pulmonary embolism**
Costantino Del Giudice (Paris, France), Nadia Aissaoui, Arthur Neuschwander, Anne Roche, Benjamin Planquette, Paul Achouh, Guy Meyer, Marc Sapoval, Olivier Sanchez
- 11:15 Tomographic features associated with excessive ventilatory responses during exercise in chronic pulmonary thromboembolic hypertension**
Andrei Augusto Assis de Campos Cordeiro (São Paulo (SP), Brazil), Pulcheri Roberta, Camila Loureiro, Eloara Ferreira, Angelo Cepeda, Carolina Messina, Rudolf Oliveira, Verrastro Carlos, Luiz Eduardo Nery, Jaqueline Ota-Arakaki
- 11:30 Pulmonary manifestations of antiphospholipid syndrome: A retrospective analysis of 67 patients**
Sevinc Sarinc Ulasli (Ankara, Turkey), Sevinc Sarinc Ulasli, Deniz Köksal, Oguz Karcioğlu, Berkan Armagan, Alper Sari, Elif Babaoglu, Ali Akdogan, Sule Apras Bilgen
- 11:45 Frequency of chronic thromboembolic pulmonary hypertension screening after pulmonary embolism in cancer patients.**
Laurent Bertoletti (Saint Etienne Cedex, France), Judith Catella-Chatron, Adel Merah, Elodie De Magalhaes, Nathalie Moulin, Sandrine Accassat, Cécile Duvillard, Patrick Mismetti
- 12:00 Persistent exercise limitation after successful pulmonary endarterectomy: frequency and determinants**
Angelo Guido Corsico (Pavia (PV), Italy), Rita Di Domenica, Andrea Maria D'Armini, Valentina Conio, Amelia Grosso, Erica Gini, Federica Albicini, Maurizio Pin, Antonio Sciortino, Stefano Ghio, Catherine Klersy, Isa Cerveri
- 12:15 Pulmonary vascular disease(PC) and risk of mortality in patients with idiopathic pulmonary fibrosis(IPF)**
Elena Rodriguez Jimeno (Madrid, Spain), Fernando Pedraza Serrano, Alicia Oliva Ramos, Gema Sánchez Muñoz, Virginia Gallo González, Rodrigo Jiménez García, Ana López De Andrés, Valentín Hernández Barrera, Luis Puente Maestu, Javier De Miguel Díez

12:30 - 17:00**Game Zone: GAME ZONE - SESSION 6****12:50 - 14:40****Thematic poster: Drug-resistant tuberculosis and the sequelae of pulmonary tuberculosis****Disease(s) :** Respiratory infections Respiratory critical care Pulmonary vascular diseases Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Epidemiology Public health Respiratory intensive care**Chairs :** Alberto Garcia-Basteiro (Maputo, Mozambique), André Santos-Silva (Porto, Portugal), Chair to be confirmed

Experience in the use of Bedakville in the therapy of multidrug-resistant tuberculosis and HIV infection.
Elena Ershova (St.-Petersburg, Russian Federation), Irina Chernokhaeva, Maria Pavlova, Anna Starshinova, Nadezhda Sapozhnikova

Bedaquiline in the treatment of patients with co-infection HIV/tuberculosis
Armine Galstyan (, Russian Federation), Sergey Evgenievich Borisov, Michail Sinitin

Bedaquiline in treatment of TB/HIV co-infection patients with extremely-drug resistance of MBT
Goar Balasaniantc (Leningrad Oblast, Russian Federation)

To evaluate the outcome of tuberculosis at a tertiary care hospital in Karachi-Pakistan
Syed Muhammad Zubair (karachi, Pakistan), Mariyam Gohar, Talha Shahzad, Afshan Yaseen, Muhammad Irfan

Spreading of resistance to group A anti-tuberculosis drugs among TB patients in Astana city
Goar Balasaniantc (Leningrad Oblast, Russian Federation), Zhanna Rakisheva, Anna Zepke, Akmaral Akisheva, Nataliya Solovjeva

Evaluation of 123 Cases with MDR TB (Multidrug Resistant Tuberculosis) Treatment
Aylin Babal k (Istanbul, Turkey), Ayse Rumeysa Hazine, Gul Erdal Donmez, Olga Akkan, Fatma Kutluhan, Ahmet Bal Kc , Gulay Catmabacak, Kaya Koksalan, TüLin Kuyucu

Nature, Magnitude and Risk Factors of Adverse Drug Reactions in Multidrug Resistant TB Patients in Eritrea
Mulugeta Russom (Asmara, Eritrea), Katia Verhamme, Leila Karimi, Hagos Ahmed

Accompanying therapy of patients with extensive drug-resistant (xdr) lung tuberculosis
Ludmila Shovkun (Rostov-on-Don, Russian Federation), Dmitry Kudlay, Nikolay Nikolenko, Irina Franchuk

MDR-TB treatment efficacy by results of Xpert MTB/RIF assay in the Stavropol region of the Russian Federation
Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Yelena Chumakova, Vasiliy Odinets

Community based therapy for children with Multidrug-Resistant Tuberculosis in Khyber Pakhtunkhwa Peshawar, Paksitan
Arshad Javaid (Peshawar, Pakistan), Mazhar Ali Khan, Mir Azam Khan

Use of shortened chemotherapy regimens in treatment of adolescents with MDR/XDR TB
Evgeniia Viechelli (Moscow, Russian Federation)

Adverse effects of chemotherapy in patients with multidrug-resistant tuberculosis with alcohol abuse and without one
Alena Aleksa (Grodno, Belarus), Ilja Gelberg, Siargej Wolf, Janina Artsukevich, Andrej Tsiunchyk, Anatoly Masilevich, Yuriy Shejfer

Use of line probe assays for the diagnosis of drug-resistant tuberculosis in Hospital for respiratory diseases “St. Sofia”, Sofia, Bulgaria
Vladimir Milanov (Sofia, Bulgaria), Svetlana Velizarova, Albena Spasova, Natalia Gabrovska, Tsvetanka Dimitrova-Milanova, Gergana Mihaylova, Maria Nachkova, Dimitar Kostadinov

Variability of primary resistant M.tuberculosis strains in TB service institutions
Anton Rogozhin (Kharkov, Ukraine), Petr Poteiko, Olha Konstantynoska, Oleksandr Liashenko, Oleksii Solodiankin

Construing the role of Proteasome Accessory Factor-C in fluoroquinolone resistance in pulmonary tuberculosis
APOORVA NARAIN (Lucknow (Uttar Pradesh), India), Ekta Dhamija, Kanchan Srivastava, Kishore K Srivastava, Surya Kant

A case series of pyrazinamide mono-resistant mycobacterium tuberculosis using whole genome sequencing for diagnosis and cluster linkage.
Darryl Braganza Menezes (Birmingham (West Midlands), United Kingdom), Sebastian Lugg, Gemma Hawthorne, Esther Robinson, Martin Dedicoat

Ability of genotypical method to make assesment of tuberculosis infection hotbed
Olga Hovardovska (Kharkiv, Ukraine), Olga Schevchenko

12:50 - 14:40

Thematic poster: Occupational and environmental lung diseases: inhaled air quality and health effects

Disease(s) : Airway diseases Respiratory infections Respiratory critical care Interstitial lung diseases

Method(s) : Public health Epidemiology General respiratory patient care Physiology Imaging

Chairs : Holger Dressel (Zürich, Switzerland), Paul Cullinan (London, United Kingdom), Chair to be confirmed

Protective effects of nootkatone against particles-induced lung injury caused by diesel exhaust is mediated via the NF- κ B pathway

Abderrahim Nemmar (Al-Ain, United Arab Emirates), Suhail Al-Salam, Sumaya Beegam, Priya Yuvaraju, Badreldin H Ali

Seasonal variation of exacerbation and patient-reported outcomes (PROs) in chronic obstructive pulmonary disease (COPD)

Tsung Yu (Tainan, Taiwan), Anja Frei, Gerben Ter Riet, Milo Puhon

Symptoms of moderate exercise in subzero temperatures - An experimental exposure study

Linda Eklund (Spånga, Sweden), Filip Schagatay, Rita Sjöström, Lars Söderström, Helen Hanstock, Thomas Sandström, Nikolai Stenfors

Exposure to air pollution and incidence of pneumothorax

Maher Maoua (Sousse, Tunisia), Haifa Aroui, Sana Aissa, Asma Chouchane, Mariem Hafsia, Kacem Imen, Sana El Guedri, Aicha Brahem, Houda Kalboussi, Olfa Elmaalel, Souheil Chatti, Ahmed Abdelghani, Mohamed Benzarti, Najib Mrizek

Biomass smoke exposure and respiratory health in Madagascar

Rondro-Nirina Raharimanana (Majunga 40, Madagascar), Andrianandrasana Herizo Rajaonary, Daniella Randriamanana, Jocelyn Rakotomizao, Joelson Rakotoson, Michel Tiaray Harison, Njaka Andriamahanina, Ange Andrianarisoa, Andrianaivo Ralison, Denis Charpin, Brigitte Rahoelina, Jean De Dieu Marie Rakotomanga, Pierre L'Her, Jean-Marie Tschopp, Raelina Andriambololona, Chantal Raherison-Semjen

Influence of the duration of working in a textile factory on respiratory functions and sleep quality

Buse Sortoglu (Istanbul, Turkey), Irem Kurt, Semiramis Ozyilmaz, Ertugrul Safran, Hülya Nilgün Gürses

Acute effects of gaseous ambient air pollution on cardiorespiratory admissions in China: a time series analysis

Katherine Newell (Oxford (Oxfordshire), United Kingdom), Christiana Kartsonaki, Om Kurmi, Haidong Kan, Zhengming Chen, Hubert Lam

Seasonality of Pulmonary Tuberculosis in Sousse (Tunisia): Analysis of time series

Aissa Sana (Sousse, Tunisia), Maoua Maher, Sfaxi Raoudha, Benzarti Wafa, Gargouri Imen, Abdelghani Ahmed, Garrouche Abdelhamid, Hayouni Abdelaziz, Mrizek Nejib, Benzarti Mohamed

Asbestos exposure still exists: Do not miss the radiological findings

Abdulsamet Sandal (Ankara, Turkey), Seval Müzeyyen Ecin, Adem Koyuncu, Gamze Durhan, Meltem Gülsün Akpınar, Ahmet Ural Demir, Lütfi Çöplü

Profile of high altitude pulmonary edema(HAPO) among young healthy reinductees.

Mahaveera Bnbnm Prasad (Bengaluru (Karnataka State), India)

Periodic workplace screenings : are pulmonary function tests performed with right technique ?

Ipek Ozmen (Süreyyapaşa, Turkey), Savaş Kanbur, Elif Yıldırım, Reyhan Yıldız, Birsan Ocaklı, Peri Arbak

Socioeconomic and quality of life impact of work-related asthma in São Paulo, Brazil

Lavinia Clara Del Roio (São Paulo (SP), Brazil), Mario Terra-Filho, Ubiratan Paula Santos

Exposure-response relations in occupational rhinitis in textile workers : time of onset.

Maher Maoua (Sousse, Tunisia), Houda Rouis, Ahmed Abdelghani, Sana Aissa, Sana Guedri, Imene Kacem, Aicha Brahem, Houda Kalboussi, Olfa Elmaalel, Souheil Chatti, Nejib Mrizek

Worker in a tatami factory: Case report of asthma in a complex and multiple occupational exposure

Daniel Bruno Takizawa (São Paulo (SP), Brazil), Philippe Colares, Gabriela Lins Medeiros De Assunção, Elisa Maria Siqueira Lombardi, Rafael Futoshi Mizutani, Gustavo Faibischew Prado, Mario Terra-Filho, Ubiratan De Paula Santos

Long-term respiratory effects of exposure to welding fumes: Quebec apprentice cohort study

Eva Suarathana (Montréal (Québec), Canada), Meshack Achore, Mahsa Taghiakbari, Catherine Lemiere, Mounia Rhazi, Denyse Gautrin, Mariam El-Zein

AVERNESS OF POLISH PULMONOLOGISTS ABOUT THE IMPACT OF AIR POLLUTION ON HEALTH

Tadeusz Zielonka (Warsaw, Poland)

Influence of Smoking, Environmental Factors and Life Style on Lung Function in a Large German Cohort

Rainer G. Wiewrodt (Münster, Germany), Bianca Höpfner, Charlotte Aries, Lars Henning Schmidt, Arik Bernard Schulze, Karlheinz Blackert, Marion Wencker, Felix J. Herth

Tapioca starch powder as a new cause of occupational asthma in bakers

Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Joan Pilling, Jennifer Hoyle

Risk factors of respiratory symptoms in urban Pakistani population

Zohaib Akhter (karachi, Pakistan), Asaad Ahmed Nafees, Unaib Rabbani, Shama Razzaq, Muhammad Irfan

The 6-minute walk test as a prognostic marker in patients with silicosis

Victoria Arnalich Montiel (Vigo, Spain), Jose Alberto Fernandez Villar, Jose Jesus Blanco Perez

12:50 - 14:40

Thematic poster: COPD exacerbations and bronchiectasis

Disease(s) : Respiratory infections Airway diseases

Method(s) : General respiratory patient care Respiratory intensive care Epidemiology Cell and molecular biology Imaging

Chairs : Melissa McDonnell (Oranmore (Co Galway), Ireland), Yelda Varol (Izmir, Turkey), Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom), Miriam Barrecheguren Fernandez (Barcelona, Spain)

The Aetiology of Acute Exacerbations in Chronic Obstructive Pulmonary Disease (AECOPD): A Systematic Literature Review (SLR)

Hana Müllerová (Uxbridge (Middlesex), United Kingdom), Jessica Willson, Eveline Bunge, Katie Pascoe, Denisa King

Bronchiectasis in exacerbation of COPD: differences between genders

Elena Rodriguez Jimeno (Madrid, Spain), Gema Sánchez Muñoz, Alicia Oliva Ramos, Fernando Pedraza Serrano, Virginia Gallo González, Ana López De Andrés, Rodrigo Jiménez García, Valentín Hernández Barrera, Luis Puente Maestu, Javier De Miguel Díez

Chronic obstructive pulmonary disease (COPD) patients with bronchiectasis: clinical features?

Marwa Kacem (tunis, Tunisia), Imen Bachouche, Fatma Chermiti, Nidhal Belloumi, Yasmine Hdidène, Soraya Fenniche

Clinical and exacerbation characteristics may predict treatment response in acute exacerbations of COPD

Breda Cushen (Dublin 11, Ireland), Garrett Greene, Elaine Mac Hale, Lorraine Tompkins, Imran Sulaiman, Fiona Boland, Emer Kelly, Richard W Costello

Bronchiectasis in COPD: increased susceptibility of the airways to aggressive agents?

Monica Corso Pereira (Campinas (SP), Brazil), Silvia Ms Silva Doria, Marcos Melo Moreira, Paulo Roberto Tonidandel, Eduardo Melo De Capitani, Ilma A Paschoal

Pneumonia in Chronic Obstructive Pulmonary Disease (COPD) - is it a separate entity?

Abdi Ali (Wrexham (Clwyd), United Kingdom), Javed Ibrahim, Junaid Ali, Muneer Radzali, Jamal Ahmed, Harmesh Moudgil, Emma Crawford, Annabel Makan, Koottalai Srinivasan, Nawaid Ahmad

Definition and characterization of an inflammatory phenotype in patients with COPD - results from the COSYCONET study

Frederik Seiler (Saarbrücken, Germany), Franziska C. Trudzinski, Sebastian Fährndrich, Henrik Watz, Rudolf A. Jörres, Armin Koch, Tobias Welte, Claus F. Vogelmeier, Frank Biertz, Robert Bals

Predictors of lung function decline: a retrospective study in COPD patients

Francesco Spelta (Verona (VR), Italy), Michela Pizzini, Lucia Cazzoletti, Valentina Rigoni, Francesco Zamboni, Pietro Ferrari, Giorgia Zamboni, Marcello Ferrari

Pathogenic bacteria for exacerbation of Chronic Obstructive Pulmonary Disease

Yan Chen (Richmond (VIC), Australia), Lin Chen, Xue He, Tiao Li, Lijuan Luo

Cytokines profile of blood and sputum in COPD exacerbation

Sophia V. Nesterovich (Tomsk, Russian Federation), Ekaterina B. Bukreeva

12:50 - 14:40

Thematic poster: Clinical markers of asthma

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Public health Endoscopy and interventional pulmonology Cell and molecular biology

Chairs : Christophe Leroyer (Brest, France), Chair to be confirmed

Loss of smell: a clinical marker of severe asthma

Jose Antonio Castillo Vizuite (Sitges (Barcelona), Spain), Cesar Picado, Vicente Plaza, Gustavo Rodrigo, Berta Juliá, Cristina Fernandez, Joaquim Mullol

Chronic hyperventilation in Asthma

Duco Deenstra (Nijmegen, Netherlands), Hanneke Van Helvoort, Noortje Koolen, Remco Djamin, Jeanine Antons, Alex Van 'T Hul

One-year follow-up of asthma patients in a randomised controlled trial of high-intensity training. Are there lasting effects?

Adrian Bentzon (Copenhagen, Denmark), Linda Loehde, Louise Toennesen, Celeste Porsbjerg, Morten Hostrup, Vibeke Backer

Correlation between reduced forced expiratory flow between 25% and 75% (FEF 25-75%) and a positive methacholine challenge test (MCT) in adults with non-obstructive baseline spirometry.

Irfan Shafiq (Abu Dhabi, United Arab Emirates), Ali Wahla, Mateen Uzbek, Niyas Parappurath, Zaid Zoumot

Clinical and histologic effect of bronchial thermoplasty after 1 year

Roberto Piro (Reggio Emilia (RE), Italy), Carla Galeone, Francesco Menzella, Patrizia Ruggiero, Mirco Lusuardi, Nicola Facciolongo

Quality of sleep in asthmatic patients

Abel Pallares Sanmartin (Vigo (Pontevedra), Spain), Ana Sogo Sagardia, Maria Victoria González Gutiérrez, Astrid Crespo Lessman, Nuria Marina Malanda, Ruben Andújar Espinosa, Marta Ferrer Galván, Ana Boldova Loscertales, Susana Herrera Lara, Laura Vigil Gimenez, Jose Serrano Pariente, Carolina Cisneros Serrano, Antolin López Viñas, Cesar Picado Vallés, Vicente Plaza Moral

Evaluation of pulmonary function after bronchial thermoplasty in the treatment of severe uncontrolled asthma using forced oscillation technique.

Yukiko Shimoda (Shinjyuku, Japan), Motoyasu Ikura, Keita Sakamoto, Masao Hashimoto, Satoru Ishii, Shinyu Izumi, Masayuki Hojo, Haruhito Sugiyama

Factors that determine the success of step-up therapy in uncontrolled asthmatic patients in clinical practice

Alexandra Suliana Mogrovejo Calle (Valencia, Spain), Eva Martínez Moragón, Julio Delgado Romero, Manuel Pérez Estrada Cornejo, Ignacio García Nunez, Andrea Crespo Sedano, Antonia Soto Vanegas

Measures of adherence in patients with severe asthma prescribed systemic steroids in the U-BIOPRED cohort

Fahad Alahmadi (manchester (Greater Manchester), United Kingdom), Andrew Simpson, Christina Gomez, Craig Wheelock, Dominick Shaw, Louise Fleming, Graham Roberts, John Riley, Stewart Bates, Ana R Sousa, Richard Knowles, Aruna Bansal, Julie Corfield, Ioannis Pandis, Kai Sun, Per Bakke, Massimo Caruso, Pascal Chanez, Babro Dahlén, Ildiko Horvath, Norbert Krug, Paolo Montuschi, Thomas Sandstrom, Florian Singer, Scott Wagers, Ian Adcock, Ratko Djukanovic, Kian Chung, Peter J Sterk, Sven-Erik Dahlen, Stephen J Fowler

The association of vigorous physical activity with 10-year adult asthma incidence

Melissa Russell (Melbourne (VIC), Australia), Shyamali Dharmage, Elaine Fuertes, Deborah Jarvis, Michael Abramson, Joachim Heinrich, Ane Johannessen, Benedicte Lenaert, Alessandro Marcon, Nicole Probst, Chantel Raherison, Giulia Squillacioti, José-Luis Sánchez-Ramos, Johan Sommar, Judith Garcia Aymerich

Immediate bronchodilation response in FEV1 as a diagnostic criterion of adult asthma

Leena Esteri Tuomisto (Seinäjoki, Finland), Pinja Ilmarinen, Lauri Lehtimäki, Minna Tammola, Hannu Kankaanranta

Clinical outcomes in non-eosinophilic versus eosinophilic asthma after 12 months specialist management

Morten Hvidtfeldt (København V, Denmark), Asger Sverrild, Vibeke Backer, Celeste Porsbjerg

Two phenotypes of severe asthma identified by cluster analysis

Olga Kharevich (Minsk, Belarus), Irina Lapteva, Elena Lapteva

Changes of the blood pressure in asthmatics of different age groups in response to short-time cold air airway challenge

Anna G. Prikhodko (Blagoveshchensk (Amur Oblast), Russian Federation), Juliy M. Perelman

Switch from Symbicort Turbuhaler to Bufomix Easyhaler; a real-life prospective study in asthma patients

Paula H. Ryttilä (Espoo, Finland), Jörgen Syk, Ines Vinge, Mikael Sörberg

Patterns of sensitization to furry animal allergen components in adult asthma and indicators of severity

Bright Nwaru (Gothenburg, Sweden), Bright Nwaru, Shintaro Suzuki, Linda Ekerljung, Sigrid Sjölander, Roxana Mincheva, Erik Rönmark, Eva Rönmark, Magnus Borres, Bo Lundbäck, Jan Lötval

Incremental cost-effective ratio effect of Omalizumab treatment for Severe Allergic Asthma at Danish university Hospital.

Søren Bagge Petersen (Ålborg, Denmark), Ulla Møller Weinreich

Dynamic hyperinflation predicts impaired daily life activity in asthma

A.N. van der Meer (Leeuwarden, Netherlands), K. De Jong, E.H. Bel, A. Ten Brinke

SABA overuse in the Portuguese prescription database

Ana Sá-Sousa (Porto, Portugal), Rute Almeida, Alberto Freitas, João Almeida Fonseca

Association between vitamin D deficiency and risk of uncontrolled asthma development

Vitaly I. Kupaev (Samara, Russian Federation), Maria S. Nurdina

12:50 - 14:40

Thematic poster: COPD and extrapulmonary comorbidities**Disease(s) :** Airway diseases Sleep and breathing disorders**Method(s) :** General respiratory patient care Epidemiology Physiology Imaging**Chairs :** Lowie Vanfleteren (Horn, Netherlands), Therese Lapperre (København NV, Denmark), Beatriz Abascal Bolado (Santander (Cantabria), Spain), Chair to be confirmed**A study of the comorbidity of COPD and type 2 diabetes mellitus**

Tatyana Makarova (Moscow, Russian Federation), Vyacheslav Kobylansky, Olga Pivovarova, Anna Sotnikova

Role of BMI in the clinical course of COPD patients with type 2 diabetes mellitus

Plamen Titorenkov (Sofia, Bulgaria), Milena Encheva, Aleksandra Chervenivanova, Petar Chipev, Dora Marinova, Kosta Kostov

The "sweet" side of the Overlap Syndrome

Silvano Dragonieri (Bari (BA), Italy), Giorgio Castellana, Lorenzo Marra, Valentina Di Lecce, Pierluigi Carratù, Onofrio Resta

Metformin predispose acute exacerbations of COPD patients with insulin-dependent diabetes mellitus>

Kuan-Yuan Chen (Taipei, Taiwan), Li-Nien Chien, Chien-Hua Tseng, Kang-Yun Lee

The effect of comorbidities on long-term survival in COPD

Selma Aydo an Ero lu (stanbul, Turkey), Halil Ibrahim Yakar, Ethem Y ld z, Murat Kavas, Dildar Duman, Hakan Günen

Comorbidities in COPD - Impact on mortality

Sara Xavier pires (Porto, Portugal), Penélope Almeida, Márcia Cravo, Maria Inês Costa, Tiago Oliveira, Sara Vieira Silva, Pedro Leuschner

Effect of comorbidities on severity and clinical parameters of COPD

Seoung Ju Park (Jeonju, Republic of Korea), Seung Yong Park, Chin Kook Rhee, Kwang Ha Yoo

Evaluation of Co-morbidities among Different Chronic Obstructive Pulmonary Disease Phenotypes

Mohamed Shahat Badawy (Luxor, Egypt), Alaa Rashaad, Rasha Mohamed

COPD: CT Thorax - friend or foe?: Clinical utility of CT in diagnosing co-morbidities.

Sundeeep Kaul (London, United Kingdom), Akanksha Vohra, Samavia Raza, Paras Dalal

Effects of comorbidities on physical activity in chronic obstructive pulmonary disease

Makoto Yoshida (Fukuoka, Japan), Atsushi Moriwaki, Hisayuki Osoreda, Tetsuya Hiramoto, Tomoaki Iwanaga, Hiromasa Inoue

A MULTILATERAL APPROACH TO COPD COMORBIDITIES

Alexandru Corlateanu (Chisihau, Republic of Moldova), Serghei Covantev, Eugenia Scutaru, Doina Rusu, Olga Corlateanu, Victor Botnaru

Gastro-oesophageal reflux, reflux-associated respiratory symptoms and severity of Chronic Obstructive Pulmonary Disease in Sri Lankan patients.

Channa Ranasinha (Colombo 7, Sri Lanka), D Lakmali Amarasiri, Suresh Chaturanta, Heshara N Hettige, Dilshani G Hitige, Nadun U Gunasekera, Kb Madubashani Wickramaratna, M Ghazzaly Nizamdeen, Kirthi D Gunasekera

Medication Effect on Acute Exacerbation and Mortality in Patients with Coexistent COPD and GERD

Vincent Yi-Fong Su (Taipei, Taiwan)

The association of respiratory health and cardiovascular risk with structural brain disease in patients with COPD

Daniel Burrage (London, United Kingdom), Sachelle V Ruickbie, Mohani P K Bajaj, Cathy A Spilling, James W Dodd, Thomas R Barrick, Paul W Jones, Emma H Baker

Impact of non-alcoholic fatty liver disease on late cardiovascular events and death in Chronic Obstructive Pulmonary Disease

Damien Viglino, Anaïs Plazanet, Sébastien Bailly, Meriem Benmerad, Ingrid Jullian-Desayes, Renaud Tamisier, Vincent Leroy, Jean-Pierre Zarski, Maxime Maignan, Marie Joyeux-Faure, Jean-Louis Pépin

COPD: clinical, personality characteristics and psychological defences in development of disadaptive types of attitude to illness

Yanina Galetskayte (Moscow, Russian Federation), Svetlana Ovcharenko, Ekaterina Nikitenko, Sergey Enikolopov, Beatrice Volel

Sex differences in COPD comorbidities

Ilaria Aredano (Parma (PR), Italy), Francesca de Blasio, Davide Dassetto, Francesco Coni, Renza Ambrosiano, Anna Maria Rella, Roberta Di Tria, Caterina Bucca

Clinical characteristics and related risk factors of depression in patients with early COPD

Yong Suk Jo (Seoul, Republic of Korea), Min Hye Kang, Jeong Mi Lee, Seoung Woo Han

Severe mental illness in COPD patients: findings from the primary care 2015-17 COPD audit

Viktoria McMillan (London, United Kingdom), Juliana Holzhauer-Barrie, Noel Baxter, Jennifer Quint, Philip Stone, Christopher M Roberts

Anxiety and depression on exacerbation COPD patients

Juliana Gjerazi (Fier, Albania), Irma Tashi, Jolanda Daka, Jul Bushati, Perlat Kapiszyzi

12:50 - 14:40

Thematic poster: Respiratory epidemiology: from infectious diseases to lung cancer

Disease(s) : Respiratory infections Respiratory critical care Pulmonary vascular diseases Sleep and breathing disorders Thoracic oncology Airway diseases

Method(s) : Epidemiology Public health General respiratory patient care Respiratory intensive care

Chairs : Per Sigvald Bakke (Bergen, Norway), Jennifer Quint (Wimbledon, United Kingdom), Giovanni Viegi (Pisa (PI), Italy)

Outdoor air pollution and lung function in middle-aged adults of the ELISABET study

Anaïs Havet (Villejuif, France), Sébastien Hulo, Damien Cuny, Florent Occelli, Natalie Cherot-Kornobis, Jonathan Giovannelli, Régis Matran, Philippe Amouyel, Jean-Louis Edmé, Luc Dauchet

Two years' follow-up with real life quantitative measurement of ambulation under oxygen therapy in patients with chronic respiratory disease (ACTIMETRE study).

Lionel Lerousseau (Antibes Cedex, France), Ari Chaouat, Gilles Jebrak, Alain Palot, Daniel Piperno, Serge Verdier, Gilles Giannoli, Didier Perrin, Eric Leutenegger

Population prevalence of hypercapnic respiratory failure in south-western Sydney, Australia

Yewon Chung (Sydney (NSW), Australia), Frances Louise Garden, Guy Barrington Marks, Hima Vedam

Risk Assessment for Obstructive Sleep Apnea Syndrome and Excessive Daytime Sleepiness in a Greek nursing staff population using the Berlin Questionnaire and Epworth Sleepiness Scale

Sotirios Zarogiannis (Larisa, Greece), Alexia Alexandropoulou, George Vavougiou, Chrissi Hatzoglou, Konstantinos Gourgoulis

Hospitalizations for pulmonary hypertension in Switzerland 2002-2015

Fabian Aigner, Florent Baty, Sebastian Tonko, Otto Dagobert Schoch, Martin Brutsche

Change in age distribution of critically ill patients in an aging society

Song-I Lee (Seoul, Republic of Korea), Chae-Man Lim

A systematic review of comorbidities and outcomes of patients with pleural infection

(,), Maged Hassan, John Corcoran, Elinor Harriss, Rachelle Asciak, Rachel Mercer, Rob Hallifax, Najib Rahman

Survival impact of comorbidity in German Lung Cancer patients - a claims data-based 'Comorbidome'

Larissa Schwarzkopf (Neuherberg, Germany), Monika Murawski

Cardiopulmonary diseases and lung cancer mortality due to PM2.5 exposure in 11 Polish Agglomerations in 2006-2015

Artur Badyda (Warszawa, Poland), Piotr D browiecki

Vaccination rates against pneumococcal and influenza infection in hospitalized cardiologic and pneumologic patients need to be improved.

Elisabeth Smolle (Graz, Austria), Tanja Roebfleiter, Holger Flick

Burden of influenza and impact of seasonal vaccination in Europe - a ten year forecast.

Devashri Mukherjee (Bangalore (Karnataka), India), Nicole Zhang, Lade Ayodele

The etiological role of common respiratory viruses in acute respiratory infections in older adults: A systematic review and meta-analysis

Ting Shi (Edinburgh (Edinburgh), United Kingdom)

The prevalence and clinical profile of non-tuberculous mycobacterial pulmonary infection in Singapore

Cheryl Khoong (Singapore, Singapore), Akash Verma, John Abisheganaden, Albert Lim

Etiology of bronchiectasis in Finland

Jarkko Mäntylä (Espoo, Finland), Witold Mazur, Arja Viinanen, Minna Purokivi, Paula Kauppi

The incidence of acute respiratory viral infections and pneumonia in the Central administrative district of Moscow.

Tatiana Bilichenko (Moscow, Russian Federation), Maryana Tubekova, Olga Gruzdeva, Larisa Astachova

Lung cancer incidence trends in Croatia: emergency for public health interventions

Marina Poli Vižintin (Zagreb, Croatia), Ingrid Tripkovi, Suzana Kukulj, Zvonimir šOstar

Obstructive Sleep Apnea (OSA) Assessment in the elderly. Preliminary results.

Pierluigi Intiglietta (Bari (BA), Italy), Giulia Gaudioso, Giorgio Castellana, Lorenzo Marra, Giancarlo Logroscino, Onofrio Resta

Childhood TB deaths in a Romanian County, 1998-2015; causes and significance

Adriana Sorete Arbore (Iasi, Romania), Violeta Cojocariu

Smoking and lung cancer in Albania

Daniela Xhemalaj (Tirana, Albania), Perlat Kapisyzi, Hasan Hafizi, Silva Bala, Ilir Peposhi, Marius Krushova, Alma Andoni, Asela Hasa, Elona Hila

12:50 - 14:40

Thematic poster: Clinical and functional monitoring in airway disease

Disease(s) : [Airway diseases](#)

Method(s) : General respiratory patient care Physiology Epidemiology Cell and molecular biology

Chairs : Sunny Jabbal (Dundee (Angus), United Kingdom), Paul Kirkham (Wolverhampton (West Midlands), United Kingdom), Sara Jane Bonvini (London, United Kingdom), Chair to be confirmed

Asthma control: how does patient perception relate to ACT and CARAT scores?

Telmo Guerreiro (Moita, Portugal), Inês Barreto, Catarina Teles Martins, Cristina Bárbara

Association of Asthma Control Test (ACT) and Asthma Control Questionnaire (ACQ) with asthma exacerbation

Manabu Uematsu (Fukushima, Japan), Junpei Saito, Suguru Sato, Atsuro Fukuhara, Yasuhito Suzuki, Ryuichi Togawa, Yuki Sato, Takefumi Nikaido, Yoshinori Tanino, Mitsuru Munakata, Yoko Shibata

Assessment of the broncodilator response using different methods: impulse oscilometry vs spirometry.

Idoia Salinas Garrido (Bilbao, Spain), Nuria Marina Malanda, Borja Ortiz De Urbina Antia, Ana Gomez Larrauri, Mikel Santiago Burruchaga, Juan B. Galdiz Iturri

Tachyphylaxis and cough reflex sensitivity

Nicholas James (Cottingham, United Kingdom), Wesley Cheung, Caroline E Wright, Alyn H Morice

Methacholine challenge test with impulse oscillometry versus spirometry: which is more sensitive in detecting airway hyper-responsiveness (AHR?)

Akbar Sharifi (Tabriz, Islamic Republic of Iran), Masoud Nazemiyeh

Investigation of shortened lung clearance index (LCI) in the Bronch-UK Clinimetrics study.

Katherine O'Neill (Belfast (Belfast), United Kingdom), Gokul R. Lakshmipathy, Curtis Neely, Denise Cosgrove, Kathryn Ferguson, J. D. Chalmers, Mary Carroll, Anthony Desoyza, Timothy Gatheral, A. T. Hill, John. R. Hurst, Michael. R. Loebinger, J. S. Elborn, Judy M. Bradley

Small airway impairment in severe asthmatic patients

Marco Contoli (Ferrara (FE), Italy), Luca Morandi, Federico Bellini, Sara Soave, Giacomo Forini, Giulia Gnesini, Alberto Papi

Exhaled breath profiling by electronic nose enabled discrimination of allergic rhinitis and extrinsic asthma.

Silvano Dragonieri (Bari (BA), Italy), Vitaliano Quaranta, Pierluigi Carratu, Teresa Ranieri, Onofrio Resta

Electronic monitoring devices: the saviour of poor control in asthma?

Ireti Adejumo (Nottingham (Nottinghamshire), United Kingdom), Dominick Shaw

Small airways disease evaluation in patients with mild/moderate asthma and correlation with bronchial hyperresponsiveness and disease control

Maria Kipourou (Thermi Thessaloniki, Greece), Pavlos Michailopoulos, Evangelos Ntinapogias, Konstantinos Kostikas, Stelios Loukides, Konstantinos Katsoulis

A correlative analysis between spirometry and MostGraph using the 23306 data from 3979 patients in clinical practice.

Yuki Nakamura (Matsusaka City, Mie Prefecture, Japan), Kentaro Ito, Kazuki Furuhashi, Yuta Suzuki, Haruko Saiki, Tadashi Sakaguchi, Yoichi Nishii, Osamu Hataji

Airway hyperresponsiveness to mannitol is an independent marker of asthma control and disease phenotype

Asger Sverrild (København NV, Denmark), Christian Westergaard, Anna Von Bülow, Pernille Udesen, Simon Francis Thomsen, Vibeke Backer, Celeste Porsbjerg

Usefulness of mannitol challenge testing for diagnosing asthma in everyday clinical practice

Charlotte Suppli Ulrik (Virum, Denmark), Signe Knag Pedersen, Amalie Sturis Ustrup, Camilla Boslev Bårnes

Earlier use of fractional exhaled Nitric Oxide (FeNO) and challenge testing improves speed and accuracy of asthma diagnosis. MacLeod J, Respiratory Physiology, Bradshaw TA, Respiratory Medicine, Royal Infirmary of Edinburgh

Jill MacLeod (Edinburgh (Edinburgh), United Kingdom), Tracey Bradshaw

Multiple Breath Washout (MBW) training, certification and quality control during the iBEST-1 trial in bronchiectasis (BE).

Katherine O'Neill (Belfast (Belfast), United Kingdom), Michael M. Tunney, Gerhild Angyalosi, Charles Haworth, Michael R. Loebinger, Judy M. Bradley, J. Stuart Elborn

A novel point of care test for sputum sample stratification prior to the quantitative measurement of active neutrophil elastase

Darragh McCafferty (Belfast (Belfast), United Kingdom), Kelly Moffitt, Charlene Robb, Diane Ramsay, Ashleigh Kennedy, Timothy Ferguson, Brian Walker

Repeatability of PExA SPA and albumin as small airways dysfunction candidate biomarkers in Asthma.

Marcia Soares (Leicester (Leicestershire), United Kingdom), Hatice Koca, Anna-Carin Olin, Salman Siddiqui

Evaluating the accuracy of commercially available finger pulse oximeters in a hospital setting

Rory Mcdermott (London, United Kingdom)

Fractional exhaled nitric oxide (FeNO) suppression with directly observed inhaled corticosteroid therapy: does it make a difference to patient outcomes?

Shoaib Faruqi (Cottingham, United Kingdom), Joanne Thompson, Terry Robinson, Karen Watkins, Helena Cummings, Nicola Jackson, Anoop Prakash, Michael Crooks

12:50 - 14:40

Thematic poster: Treatments that can serve as an alternative to positive airway pressure (PAP)

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Imaging Surgery Epidemiology Public health

Chairs : Oana Claudia Deleanu (Bucuresti, Romania), Josep M Montserrat (Barcelona, Spain), Chair to be confirmed

Positional obstructive sleep apnea in the European Sleep Apnoea Database (ESADA) study

Izolda Bouloukaki (Heraklion (Crete), Greece), Athanasia Pataka, Paschalis Steiropoulos, Ludger Grote, Marisa Bonsignore, Jan Hedner, Oreste Marrone, Ozen Basoglu, Johan Verbraecken, Carolina Lombardi, Gianfranco Parati, Zoran Dogas, Sophia Schiza

Sleep apnea syndrome and its association with serum vitamin D level

Ammar Wissem (tunis, Tunisia), Dabboussi Selsabil, Mhamdi Samira, Moatamri Zied, Aichaouia Chiraz, Khadhraoui Mohsen, Rzaieg Cheikh

Is Vitamin D Deficiency Associated With Obstructive Sleep Apnea Syndrome?

Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Nouran Azab, Rabab Wahsh, Yaser Gabashy, Heba Sharaf Eldean

One year vitamin D and parathyroid hormone influence in patients with OSAS and CPAP treatment

Daniela Krasimirova (Sofia, Bulgaria), Daniela Petrova, Ognian Georgiev, Radoslav Bilyukov, Tzanko Mondeshki, Martin Nikolov, Adelina Tzakova, Ventsislava Pencheva Genova, Bilyana Stancheva, Sevda Naydenska, Petko Shoshkov

Postural effects on nasal resistance in obstructive sleep apnoea (OSA) and efficacy of a novel oral appliance

Benjamin Tong (Randwick, Australia), Carolin Tran, Andrea Ricciardiello, Michelle Donegan, Nicholas Murray, Alan Chiang, Jason Amatoury, Danny Eckert

Oral appliance is a useful treatment for obstructive sleep apnoea irrespective of disease severity

Hoi Yee Kwan (Kowloon, Hong Kong), Wai Kuen Tang, Sai On Ling, Yik Ning Poon, Anthony Pak Yuen Yau, Chie Wai Yim, Thomas Yan Wing Mok

Mandibular advancement splint for treatment of obstructive sleep apnea

Ana Cristina Alves Ferreira (Vila do Conde, Portugal), Pedro Ramalho, Catarina Ferreira, Fátima Teixeira, Fátima Carvalho

Clinical Impact of 2 types of Mandibular Retention Devices (MRD) - Narval CAD/CAM vs Narval nonCAD/CAM – on OSA: ESTAMPS STUDY

Adeline Kerbrat (Paris, France), Olivier Vinuesa, Elodie Aversenq, Laurent Morin, Florent Lavergne, Jean-Baptiste Kerbrat

Effect of Long Term Oral Appliance Therapy on Obstruction Pattern in Patients with Obstructive Sleep Apnea

Dong-Kyu Kim (Chuncheon-si, Gangwon-do, Republic of Korea)

Cardiovascular effects of a mandibular advancement device versus continuous positive airway pressure in moderate obstructive sleep apnea

Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Ewout Houwerzijl, Wouter Jacobs, Jan Van Der Maten, Boudewijn Stegenga, Huib Kerstjens, Peter Wijkstra

Oral Appliances (OAs) treatment in Obstructive Sleep Apnea (OSA) : a three years experience

Paolo Righini (Torino (TO), Italy), Alessandro Oliva, Valter Gallo, Giovanni Maria Ferrari, Massimo Comune, Marco Ottavio Gilardino, Roberto Prota

Combined CPAP and oral appliance (OA) therapy reduces PAP requirements and pharyngeal pressure (Pepi) swings in OSA

Benjamin Tong (Randwick, Australia), Carolin Tran, Andrea Ricciardiello, Michelle Donegan, Nicholas Murray, Alan Chiang, Jason Amatoury, Danny Eckert

Obstructive sleep apnea after pharyngeal flap surgery in children

Alessandro Amadeo (Paris, France), Ines Trabelsi, Sonia Khirani, Benoit Michel, Arnaud Picard, Brigitte Fauroux

Polygraphic patterns predictive of success of upper airway surgery in obstructive sleep apnea patients

Anna Monzani (Campana (MI), Italy), Paola Faverio, Alberto Braghiroli, Massimo Godio, Paolo Aluffi Valletti

Long term follow-up of OSA patients implanted with hypoglossal nerve stimulator; PSG results and patients compliance. A Greek Single-Institution Experience.

Angelos Chatziavramidis (Thessaloniki, Greece), Vasilis Tsaousis, Iordanis Konstantinidis, Konstantinos Markou, Athanasios Gounidis, Vasiliki Paschidou

Impact of Inspiratory Muscle Training on Obstructive Sleep Apnea in Coronary Artery Disease Patients. The RICAOS study: preliminary results.

Pierre Labeix (Saint-Etienne, France), Mathieu Berger, Hayet Iddir, Frederic Roche, David Hupin

Effect of Tongue Motor Task Training on Serotonergic Excitatory Drive to Genioglossus Electromyographic Activity in Rats

Wenyang Li (Québec (QC), China), Hongyu Jin, Ying Zou, Wei Wang

The Different Effect of Tongue Motor Task Training (TTT) and Strength Training (ST) on the Modulation of Genioglossus Corticomotor Excitability in Rats

Wenyang Li (Québec (QC), China), Hongyu Jin, Ying Zou, Wei Wang

Soft cervical collar in obstructive sleep apnea, a pilot study

Philippe Bordier (Pessac, France), Aurelia Lataste, Sebastien Orazio

Effects of energy restricted diet on sleep and metabolic parameters in obese Obstructive Sleep Apnea patients

Camila De Melo (São Paulo (SP), Brazil), Marcus Vinicius Dos Santos, Mariana Pantaleão Del Re, Sandra Maria Lima Ribeiro, Hanna Karen Moreira Antunes, Sonia Maria Togeiro, Sergio Tufik, Marco Túlio De Mello

12:50 - 14:40

Thematic poster: Tobacco use, attitudes and cessation training among healthcare professionals and prevention programmes**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Public health Epidemiology General respiratory patient care**Chairs :** Esra Uzaslan (Bursa, Turkey), Chair to be confirmed**Prevalence and knowledge about smoking among teachers in Romania**

Doina Adina Todea (Cluj-Napoca (Cluj), Romania), Eugenia Corina Budin, Corina Marginean

Opinion ,habits and and impact of new antitobacco law on romanian medicine students

Florin Dumitru Mihaltan (Bucuresti, Romania), Teodor Cristian Blidaru, Horea Constantin Chirila, Ruxandra Ulmeanu

Student in medicine and e cigarette

Florin Dumitru Mihaltan (Bucuresti, Romania), Andrei Voicu , Ruxandra Ulmeanu

Smoking rate among patients and caregivers seen in the respiratory emergency department of a tertiary hospital

Stamatoula Tsikrika (Athens, Greece), Martha Andritsou, Ioannis Kalomenidis, Spyros Zakynthinos, Paraskevi Katsaounou

Pre-post pilot study of a one day smoking cessation training for health care professionals in charge with high risk smokers

Letitia Trofor (Iasi, Romania), Ioana Buculei Porosnicu, Sophia Papadakis, Constantine Vardavas, Antigona Trofor, Panagiotis Behrakis

How can we improve smoking cessation practices on the acute medical unit?

Oscar Atkins (Bristol (Avon), United Kingdom), Kunaal Kaushik, Ricky Sharma

Comparing primary care and hospital physicians' knowledge, behaviour and attitudes towards smoking cessation and effectiveness of a training seminar

Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Inês Oliveira, Ana Alves Santos, Rafaela Campanha, Inês Ribeiro, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira

Comparing smoking cessation knowledge and attitudes between junior and senior doctors prior a one-day training intervention

Inês Lourenço Farias Carrilho De Oliveira (Almada, Portugal), Joana Carvalho, Ana Alves Santos, Rafaela Campanha, Inês Ribeiro, Cátia Guimarães, Marta Fradinho, Cristina Matos, Fernando Nogueira

A national-wide survey of tobacco control curricula in medical schools

Sofia Belo Ravara (Covilhã, Portugal), Vera Afreixo, Carlos Albuquerque, Mónica Condinho, Marília Santos Rua, Pedro Aguiar, Jorge Bonito

Tobacco and e-cigarette use, and exposure to SHS among health sciences students: a national cross-sectional study

Sofia Belo Ravara (Covilhã, Portugal), Vera Afreixo, Mónica Condinho, Marília Santos Rua, Carlos Albuquerque, Pedro Aguiar, Jorge Bonito

Prevalence and determinants of cigarette smoking among university students

Dilek Karado an (Artvin, Turkey), Yalç N Kanbay, öZgür öNal, Deniz Say Ahin

The Beliefs About Benefits and Negative Effects of Cigarette Smoking among University Students

Ipek Yeldan (Istanbul, Turkey), Rustem Mustafaoglu, Ezgi Turkmen

Effect of passive cigarette smoke inhalation on college students

Daryna Semotyuk (Lviv, Ukraine), Khrystyna Volnytska, Olha Tolokh, Taras Semotiuk

Tobacco smoking problems at children and students.

Evelina Lokshina (Chernogolovka, Russian Federation), Eugenia Tolstova, Tatiana Rychkova, Olga Zaytseva

Smoking - family structure of origin and other determining factors

Keyla Medeiros Maia Silva (Cuiaba (MT), Brazil), Cor Jesus Fernandes Fontes, Ubiratan Paula Santos

The practical evaluation of the prophylactic anti-smoking multi-modal program in adolescents

Natalya Alexandrovna Mokina (Samara (Samara Oblast), Russian Federation), Igor Ivanovich Berezin, Vasilij Fedorovich Pjatin, Artyom Konstantinovich Sergeev, Egor Dmitrievich Mokin

The influence of peer smoking in smoking behaviour of adolescents

Dimitra Mpousiou (Agios Dimirios (Athens), Greece), Dimitra Lamprou, Michael Toumpis, Martha Andritsou, Areti Karathanasi, Dimitris Fouskakis, Theodora Katsaounou, Efthymios Zervas, Paraskevi Katsaounou

Smoking cessation counselling - taking family in a stride

Manu Chopra (Ranchi (Jharkhand), India), Vasu Vardhan, Meenakshi Chopra

Disclosure of smoking in adolescents: a feasibility study

Colette Datt (St Albans (Hertfordshire), United Kingdom), John Moreiras, Amir Hakim, Myra Stern

The effect of parental smoking and smoking inside the house in the adolescents attitude towards smoking

Dimitra Mpousiou (Agios Dimirios (Athens), Greece), Dimitra Lamprou, Michael Toumpis, Theodora Katsaounou, Dimitris Fouskakis, Marina Moscholaki, Areti Karathanasi, Christina Gratzou, Efthymios Zervas, Paraskevi Katsaounou

12:50 - 14:40

Thematic poster: Tests and trends in asthma**Disease(s) :** Respiratory critical care Airway diseases Sleep and breathing disorders**Method(s) :** Physiology General respiratory patient care Cell and molecular biology Epidemiology Endoscopy and interventional pulmonology Imaging Public health**Chairs :** Jean-Marie Nguyen Quang (Paris, France), Chair to be confirmed**Time trends in clinical characteristics of patients with severe asthma: data from the Belgian Severe asthma register (BSAR)**

Stephanie Dobbelaere (Sint-Amandsberg, Belgium), Florence Schleich, Renaud Louis, Olivier Vandenplas, Alain Michils, Charles Pilette, Rudi Peche, Guy Joos, Guy Brusseele

Accuracy of objective tests for diagnosing adult asthma in symptomatic patients: A systematic literature review and hierarchical Bayesian latent-class meta-analysis.

Hiroyuki Sano (Osakasayama, Japan), Katsuyuki Tomita, Akiko Sano, Osamu Nishiyama, Takashi Iwanaga, Yuji Tohda

Clinical predictors of the effectiveness of tiotropium in adults with symptomatic asthma: the real-life data

Wen-Chien Cheng (Taichung, Taiwan), Chih-Yen Tu, Bing-Ru Wu, Chih-Yu Chen, Wei-Chun Chen, Te-Chun Hsia, Wei-Chih Liao, Chia-Hung Chen, Wu-Huei Hsu

Comorbidities in asthma, what impact?

hager kchouk (tunis, Tunisia), Haifa Zaibi, Jihen Ben Ammar, Dorra Karray, Mohamed Ali Baccar, Saloua Azzabi, Bisma Dhahri, Hichem Aouina

Targeting PDE3 Abrogates the Hallmarks of Asthma in Asthma Models

Alex Kleinjan (Choose State, Netherlands), Jan Beute, Keerthana Ganesh, Melanie Lukkes, Menno Van Nimwegen, Steve Hockman, Vince Manganiello, Rudi Hendriks

Knowledge of pulmonologists, allergists, ENTs and paediatricians related to maintenance asthma treatment

Désirée Larenas-Linnemann (mexico, Mexico), Margarita Fernandez, Mónica Rodríguez-González, Carmen Cano-Salas, Jorge Luna-Pech, José Antonio Ortega-Martell, Blanca Del Rio-Navarro, Erika Del Carmen López-Estrada, Jade Romero, Juan Carlos Vargas, Jorge Salas

Is bariatric surgery effective for severe asthma? An outcome review at a tertiary centre

Alexandra Nanzer-Kelly (London, United Kingdom), Norlan Lau, Kevin Haire, Attika Sabharwal

The bronchial asthma and upper respiratory tract multimorbidity in children

Natalia POPOVA (Moscow, Russian Federation), M Glukhova, S Krasilnikova, Tush, Eliseeva, O Khaletskaya, L Murakaeva, Igor Klimanov, I Balabkin

Influence of sex in inhaler technique, adherence to treatment and control of Asthma.

Gonzalo Jimenez Galvez (, Spain), Aurelio Arnedillo Muñoz, María Pérez Morales, Alberto Levy Naón, Auxiliadora Romero Falcón, Ana Gómez-Bastero Fernández

Who should do the asthma control test: Patient? Physician?

SEVDA COMERT (Istanbul, Turkey), Seda Beyhan Sa men, Coskun Dogan, Elif Torun Parmaks z, Ali Fidan, Banu Salepci, Nesrin K ral

The influence of the environment on the asthma

Arfaoui Hajar (Casablanca, Morocco), Wiam Elkhatabi, Hasna Jabri, Hicham Afif

How to detect sleep disorders in patients treated for asthma and allergic rhinitis?

mariem ferchichi (TUNIS, Tunisia), Houda Snene, Nozha Ben Salah, Khalil Zayen, Achraf Ben Tkhet, Dorra Bejar, Ines Cherif, Dorra Aouida, Jalloul Daghfous, Nadia Mehiri, Bechir Louzir

Relationship between omalizumab efficacy and baseline allergen profile impacts patient-reported outcomes in allergic asthma

Jian Kang (Shenyang (Liaoning), China), Jing Li, Lingfei Kong, Jing Yang, Lu Wang, Michael Humphries, Ioannis Kottakis, Robert Fogel, Xiao Hoong Lau, Nanshan Zhong

A national audit of severe life-threatening asthma in Singapore

Anthony Yii (Singapore, Singapore), Ser Hon Puah, Hui Fang Lim, Tunn Ren Tay, Lay Ping Neo, Andrew Li, Priscilla Lau, Rae-Ann Tan, Li Leng Tan, John Abisheganaden, Tow Keang Lim, Mariko Siyue Koh

Effects of endotoxin inhalation and it with ICS/LABA inhalation on diaphragm muscle contractile properties in mice

Chiyohiko Shindoh (Sendai, Japan), Yuriko Shindoh, Masahito Miura

Dependence of quality of life on cellular patterns of inflammation in asthma patients

Natalia Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Anna Prikhodko, Leonid Nakhamchen

Phenotyping asthma patients in the ED: 6 months experience in Naples

Francesca Simioli (Napoli (NA), Italy), Maria Martino, Antonio Molino, Anna Agnese Stanziola, Lucia Gallinaro, Maria D'Amato

Unraveling adenosine and AMP induced dyspnea sensation in asthma

Claire A. Cox (Groningen, Netherlands), Ilse M. Boudewijn, Sebastiaan J. Vroegop, Siebrig Schokker, Anne J. Lexmond, Hendrik W. Frijlink, Paul Hagedoorn, Judith M. Vonk, Martijn P. Farenhorst, Nick H.T. Ten Hacken, Huib A.M. Kerstjens, Maarten Van Den Berge

Virtual Patient Journeys: A novel aid for teaching asthma to medical students

Joseph Salem (London, United Kingdom), Junaid Fukuta

Fixed airway obstruction in patients with severe asthma

Galina Sergeeva (St. Petersburg, Russian Federation), Alexander Emelyanov, Evgenia Leshenkova, Antonina Znakhurenko, Nana Asatiani

12:50 - 14:40

Thematic poster: Improvements in the assessment of paediatric physiology**Disease(s) :** Sleep and breathing disorders Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Epidemiology Physiology Imaging Public health**Chairs :** Nicole Beydon (Paris, France), Melania Evangelisti (Roma (RM), Italy), Jenny Hallberg (Stockholm, Sweden)**Forced Expiratory Flows and Volumes in a Swedish Cohort of Healthy Term Infants**

Paraskevi Kosma (Sundbyberg, Sweden), Charlotte Palme-Kilander, Matteo Bottai, Henrik Ljungberg, Jenny Hallberg

Comparison of bronchodilator responsiveness between forced oscillation technique and spirometry

(,), Sindhu Sivagnanasithiyar, Georgios Kaltsakas, Richard Iles

Detection of heterogeneous lung emptying by shape of forced expiratory flow-volume curve in asthmatic children

David Richard (Nancy, France), Sabrina Khelil, Stéphanie Metche, Aurelie Tatopoulos, Sébastien Kiefer, Claude Bonabel, Cyril Schweitzer, François Marchal, Silvia Demoulin-Alexikova, Iulia Ioan

Pulmonary Function in Young Wind Instrument Players

Elpida Hatziagorou (Thessaloniki, Greece), Aikaterini Kousta, Alexandra Hristara – Papadopoulou, John Tsanakas

Reference values of impulse oscillometry and their correlation with predictors in healthy Turkish preschool children

Zeynep Seda Uyan (Istanbul, Turkey), Ilkay Er, Ayla Gunlemez, Canan Baydemir, Fatih Kilicbay, Refika Ersu

Global Lung function Initiative (GLI) prediction equations fit the normal lung function in Bulgarian and Romany children

Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Blagoi Marinov, Stefan Kostianev

Longitudinal assessment of lung function in patients with pectus excavatum (PE)>

Daniel Trachsel (Basel, Switzerland), Emanuela Zannin, Raffaele Dellacà, Frank Martin Haecker, Thierry De Trey

Respiratory function in adolescents with idiopathic disorders of the spinal column.

Athina Papadopoulou (Athens, Greece), Katerina Mikelatou, Achileas Boutis, Emmanouil Tsafantakis, Despina-Zoe Mermiri

Assessment of respiratory function in adolescents with idiopathic scoliosis treated with brace.

Athina Papadopoulou (Athens, Greece), Katerina Mikelatou, Achilleas Boutis, Emmanouil Tsafantakis, Despina-Zoe Mermiri

Exercise may improve airway clearance and alleviate hyperinflation in children with Cystic Fibrosis

Kate H Regan (Edinburgh (Edinburgh), United Kingdom), Sarah Blacklock, Donald Urquhart

Short- and mid-term reproducibility of lung clearance index in children with cystic fibrosis and healthy controls

Bettina Sarah Frauchiger (Bern, Switzerland), Sylvia Nyilas, Kathryn Ramsey, Philipp Latzin, Sophie Yammine

Normative data for the new setup of the SF6 multiple-breath washout in unsedated infants

Johanna Manuela Kurz (Bern, Switzerland), Andras Laszlo Soti, Bettina Sarah Frauchiger, Insa Korten, Pinelopi Anagnostopoulou, Kathryn Ramsey, Philipp Latzin

A transition evening is a popular and effective way to deliver high quality transition in respiratory paediatrics

Alison Scott (Tadcaster, United Kingdom), Emma Sheppard, Nichola Butler, Anita Critchlow

Measures of nocturnal oxyhemoglobin desaturation in children with obstructive lung disease or sleep-disordered breathing

Athanasios G. Kaditis (Athens, Greece), Georgia Katsouli, Anastasia Polyarchou, Marina Tsaoussoglou, Polytimi Panaghiotopoulou-Gartagani

Sleep clinical record and polysomnography scores in adolescents with sleep disordered breathing

Melania Evangelisti (Roma (RM), Italy), Martina Forlani, Marco De Pozzo, Maria Elena Liverani, Maria Pia Villa

Unsupervised polysomnography in children: a technical and economic study

Silke Anna Theresa Weber (Botucatu (SP), Brazil), Iury Lima, José Vicente Tagliarini

Assessment of Signal Integrity in Paediatric Cardiorespiratory Sleep Studies

Ansel Godinho (London, United Kingdom), Kylie Russo, Aidan Lavery, Martin Samuels, Francois Abel

Obstructive Sleep Apnea syndrome (OSAS): A threatening ghost for β Thalassemia Major Children

Luci Suliman (Mansoura, Egypt), Suzy Abdelmabood

Retrospective analysis of sleep breathing disorders in mucopolysaccharidosis type IVA

Giulia Facchina (Caorle (VE), Italy), Alessandro Amaddeo, Sonia Khirani, Genevieve Baujat, Syril James, Sylvain Breton, Brigitte Fauroux

Results of nocturnal oximetry in native and non-native children and adolescents residents at 2,418 m.

Juan Carrillo (Santiago, Chile), Manuel Vargas, Pablo Vargas, Khanty Loyola

12:50 - 14:40

Thematic poster: Role of microbial exposure and inflammation in lung injury**Disease(s) :** Respiratory critical care Respiratory infections Airway diseases Sleep and breathing disorders Pulmonary vascular diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology Physiology General respiratory patient care Respiratory intensive care**Chairs :** Rahul Mahida (Birmingham (West Midlands), United Kingdom), Martin Witzenzath (Berlin, Germany)**LSC - 2018 - Guidance cues in the pulmonary environment propel in vivo dynamic movement of group 2 innate lymphoid cells after inflammation**

Franz Puttur (London, United Kingdom), Laura Denney (l.denney@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Lisa G. Gregory (l.gregory@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Juho Vuononvirta (j.vuononvirta@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Robert Oliver (r.oliver@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), James E. Pease (j.pease@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London), Matthew F. Krummel (matthew.krummel@ucsf.edu / Department of Pathology, University of California, San Francisco, Parnassus Ave, San Francisco, California, USA, San Francisco), Leo M. Carlin (l.carlin@imperial.ac.uk / Cancer Research UK Beatson Institute, Garscube Estate, Bearsden, Glasgow, UK, Glasgow), Clare M. Lloyd (c.lloyd@imperial.ac.uk / Inflammation, Repair & Development Section, National Heart & Lung Institute, Imperial College London, London, UK, London)

LSC - 2018 - Differential effect of ARDS on alveolar macrophage efferocytosis compared to bacteria l phagocytosis

Rahul Mahida (Birmingham (West Midlands), United Kingdom), David Thickett (d.thickett@bham.ac.uk / University of Birmingham, Birmingham)

Differential effect of M1 and M2 macrophages on airway epithelial cell innate immunity and wound repair

Sander van Riet (Leiden, Netherlands), Padmini Khedoe, Annemarie Van Schadewijk, Pieter Hiemstra

Calcineurin-inhibition drives IL13 and IL5 production in differentiating and memory T cells in a Ca++-dependent manner

Karin Björhall (Mölndal, Sweden), Ulf Gehrmann, Johan Jirholt

Lung epithelial microvesicles induced by pneumolysin contain mitochondrial cargo

Eleftheria Letsiou (Berlin, Germany), Luiz Gustavo Teixeira Alves, Diana Fatykhova, Matthias Felten, Sarah Berger, Tim Mitchell, Andreas Hocke, Martin Witzenzath

Role of microtubule-associated signaling in Staphylococcus aureus-induced lung injury.

Anna Birukova (Baltimore, United States of America), Pratap Karki, Yufeng Tian, Nicolene Sarich, Yunbo Ke, Konstantin Birukov

Inoculation Pneumonia Caused by Coagulase Negative Staphylococcus in Mice

Yinggang Zhu (, China), Mengmeng Shi, Antoine Monsel, Jean-Jacques Rouby, Jieming Qu

Curcumin and curcuminoids attenuate RIP3-related cell death in Streptococcus pneumoniae-induced injury via up-regulating SIRT1 expression

Changchong Li (Wenzhou (Zhejiang), China), Lu Yu, Shunhang Wen, Xiaoguang Hu

Impaired Alveolar Macrophage Efferocytosis in ARDS causes accumulation of apoptotic neutrophils & prolonged inflammation

Rahul Mahida (Birmingham (West Midlands), United Kingdom), David Thickett

Neutrophil extracellular traps promoted alveolar macrophages pyroptosis in LPS induced ALI/ARDS

Haitao Lee (Changsha City, China), Pinhua Pan

Effects of autophagy on LPS-induced lung inflammation and acute lung injury (ALI) in vitro and in vivo

Lian Liu (Chengdu (Sichuan), China), Dan Xu, Tao Wang, Zhicheng Yuan, Luqi Dai, Fuqiang Wen

Anti - IL17 treatment control responses in lung injury induced by elastase

Aurelio C. Garrido (SAO PAULO, Brazil), Silvia Fukuzaki, Renato F. Righetti, Tabata M. Santos, Leandro N. Camargo, Luciana R. C. R. B. Aristoteles, Flavia C. R. Souza, Beatriz M. Saraiva-Romanholo, Edna A. Leick, Carla M. Prado, Milton A. Martins, Iolanda F. L. C. Tiberio

Monosodium urate crystals exacerbate acute lung injury induced by lipopolysaccharide.

Laura Moreno (Madrid, Spain), Daniel Morales-Cano, Sergio Esquivel-Ruiz, Andrea Martínez-Ramas, Bianca Barreira, María Callejo-Arranz, Gema Mondejar-Parreño, Angel Cogolludo, Francisco Pérez-Vizcaino

CD101 eosinophil serves as an early response to suppress endotoxin-induced acute lung injury

Chen Zhu (, China), Lingren Zhou, Qingyu Weng, Zhihua Chen, Songmin Ying, Huahao Shen, Wen Li

iTRAQ-based proteomic analysis reveals mitochondrial 'damage'-associated molecular patterns are involved in pulmonary inflammation in Lypopolysaccharide-induced acute lung injury

Zhicheng Yuan (ChengDu, China), Tao Wang, Fuqiang Wen

The effect of combined therapy using rosuvastatin and dihydroartemisinin in a pulmonary malaria mouse model.

CAMILA BATISTA (NITEROI, Brazil), Helena D'Anunciação De Oliveira, Ana Maria Garcia-Darze, Maiara Lima, Érica Amorim, Adriano Silva, Hugo Caire Castro-Faria-Neto, Tatiana Maron-Gutierrez

Effects of ASA and DHA therapy on malaria associated ARDS

Helena Oliveira (Rio De Janeiro (RJ), Brazil), Camila Batista, Maiara Lima, Erica Amorim, Adriano Silva, Tatiana Maron-Gutierrez, Hugo Castro-Faria-Neto

The role of prostaglandins in the realization of respiratory effects of interleukin-1β in case of hypercapnia.

Galina A. Danilova (St. Petersburg, Russian Federation), Nina P. Aleksandrova

OSTEOPONTIN PROTECTS AGAINST LUNG INJURY CAUSED BY EXTRACELLULAR HISTONES

Gopinath Kasetty (Lund, Sweden), Praveen Papareddy, Ravi Kv Bhongir, Mohamad Ali, Michiko Mori, Malgorzata Wygrecka, Jonas S Erjefält, Lena Palmberg, Anna Hultgardh, Heiko Herwald, Arne Egesten

Aerobic exercise inhibits acute lung injury: from mouse to human evidence

Regiane Albertini (São José dos Campos, Brazil), Nicole Cristine Rigonato-Oliveira, Breanne Mackenzie, Andre Luis Bachi, Manoel Oliveira-Junior, Alana Santos-Dias, Adilson Andrade-Sousa, Humberto Delle, Nilsa Damaceno-Rodrigues, Larissa Dulle, Marcela Benetti, Christiane Malfitano, Katia De Angelis, Ana Paula Ligeiro De Oliveira, Asghar Abbasi, Hinnak Northoff, Rodolfo Vieira

12:50 - 14:40

Thematic poster: COPD: immune regulation and therapeutic targets

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Chairs : Robert Bals (Homburg (Saar), Germany), Colin Bingle (Sheffield (South Yorkshire), United Kingdom), Ilona Elisabeth Kammerl (München, Germany), Gimano Amatngalim (Utrecht, Netherlands)

Eicosanoids and eosinophilic inflammation of airways in stable COPD.

Natalia Celejewska-Wójcik (Kraków, Poland), Aleksander Kania, Karolina Górka, Pawe Nasta ek, Anna Gielicz, Lucyna Mastalerz, Marek Sanak, Krzysztof S adek

Differential inflammasome activation in alveoli and bronchioles in response to cigarette smoke or double stranded DNA

Sandra Hodge (Adelaide (SA), Australia), Tran Hai, Eugene Roscioli, Rhys Hamon, Miranda Ween, Greg Hodge, Hubertus Jersmann

Characterization of Microparticles in the lung of smokers

Erica Bazzan (Padova (PD), Italy), Claudia Maria Radu, Graziella Turato, Mariaenrica Tinè, Davide Biondini, Marco Damin, Paolo Simioni, Manuel Cosio, Marina Sietta

Tiotropium inhibits acetylcholine-induced generation of proinflammatory microparticles by human pulmonary epithelial cells

Tommaso Neri (Pisa (PI), Italy), Valentina Scalise, Ilaria Passalacqua, Roberto Pedrinelli, Pierluigi Paggiaro, Alessandro Celi

COPD-related epithelial inflammation drives EMT in primary epithelial ALI-cultures

François Carlier (Watermael-Boitsfort, Belgium), Bruno Detry, Yves Sibille, Charles Pilette

Enhanced adverse health effects upon in vivo exposure to multi-walled carbon nanotubes in chronic obstructive pulmonary disease

Fabian Blank (Bern, Switzerland), Seraina Beyeler, Carlos Wotzkow, Amanuel Sengal, Peter Wick, Stefan Tschanz, Beat Haenni, Christophe Von Garnier

Lung cells from people with COPD are hyperresponsive to E-cigarette vapour

Jack Bozier (Glebe, Australia), Dia Xenaki, Ian Adcock, Brian Oliver

Cigarette smoking and high fat diet combination: a multi-organ approach to decipher their impact on health

Gaëlle Rémy (Lille Cedex, France), Jeanne Alard, Emilie Dubois-Deruy, Morgane Baron, Corinne Grangette, Florence Pinet, Isabelle Wolowczuk, Philippe Gosset, Muriel Pichavant

Primary human bronchial epithelial cell responses to diesel and novel biodiesel emissions

Annalicia Vaughan (Arana Hills, Australia), Svetlana Stevanovic, Mohammad Jafari, Rayleen Bowman, Kwun Fong, Zoran Ristovski, Ian Yang

Bifidobacterium breve significantly reduces cigarette smoke-induced COPD in C57Bl/6 mice

Flavio Aimbire (Sao Jose Dos Campos (SP), Brazil), Jorge Luis Carvalho, Ana Karolina Sá, Aurileia Britto, Munique Ferreira, Elen Anatriello, Alexandre Keller

The Effect of Cordycepin and Simvastatin on Cigarettes Smoke Extract Induced Cytokine and Chemokine Production in Human Bronchial Epithelial Cells

Mohammed Alshehri (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Abdullah Alqarni, Alice Pasini, Linhua Pang

RAGE Partially Mediates Cigarettes Smoke Extract induced Cytokine and Chemokine Production in Human Bronchial Epithelial Cells

Mohammed Alshehri (Nottingham (Nottinghamshire), United Kingdom), Oliver Brand, Abdullah Alqarni, Alice Pasini, Linhua Pang

Vanadium pentoxide induced epithelial innate cytokines IL-25, IL-33, and thymic stromal lymphopoietin (TSLP) through activating MAPK pathway

Ching-Hsiung Lin (Changhua City, Taiwan), Sheng-Hao Lin, Yi-Rong Li, Hsiu-Hui Chang, Yu-Yun Ching

Activation of MAPKs in bronchial-epithelial NCI-H292 cells co-treated with extracellular Hsp70 and bacterial components or cigarette smoke extract

Anita Somborac Ba ura (Zagreb, Croatia), Andrea Hulina, Marija Grdi Rajkovi, Andrea eri, Sanja Popovi -Grle, Lada Rumora

Extracellular Hsp70 modulates inflammatory response in PBEC cells from COPD patients

Andrea Hulina Tomaškovi (Zagreb, Croatia), Lada Rumora, Miroslav Samaržija, Marnix Jonker, Irene Heijink

Combined effect of extracellular Hsp70 and cigarette smoke extract on cytokine secretion from bronchial-epithelial NCI-H292 cell line

Marija Grdi Rajkovi (Zagreb, Croatia), Andrea Hulina, Anita Somborac Ba ura, Dubravko Jeli, Andrea Vuki Dugac, Lada Rumora

TGF-β1 affects epithelial vitamin D metabolism and expression of host defence peptides

Jasmijn A. Schrupf (Leiden, Netherlands), Dennis K. Ninaber, Anne M. Van Der Does, Pieter S. Hiemstra

The effect of dietary fatty acids on inflammation in primary lung mesenchymal cells

Sandra Rutting (Sydney (NSW), Australia), Jay Horvat, Lisa Wood, Phil Hansbro, Brian Oliver

RAGE blocking ameliorates cigarette smoke extract-induced human alveolar type II epithelial cell injury via RAGE-mediated redox sensitive DAMP signaling through Nrf2

Hanbyeol Lee (Chuncheon, Republic of Korea), Jooyeon Lee, Se-Ran Yang

BPI Fold-Containing Family A Member 1 (BPIFA1) regulates lung neutrophil recruitment and interferon signaling during acute inflammation

Sara Khanal (New Haven, United States of America), Naiqian Niu, Luai Huleihel, Jose Herazo-Maya, Naftali Kaminski, Lauren Cohn, Clemente Britto

12:50 - 14:40

Thematic poster: Asthma, rhinitis and COPD: cells, mediators, biomarkers and genetics

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : General respiratory patient care Cell and molecular biology Epidemiology Public health

Chairs : Konstantinos Samitas (Athens, Greece), Enrico Marco Heffler (Torino (TO), Italy), Ibon Eguiluz Gracia (Malaga, Spain)

Red cells distribution width as a potential biomarker in COPD.

Sara Ramponi (Cingia de' Botti (CR), Italy), Maurizio Marvisi, Laura Balzarini, Chiara Mancini, Chiara Marvisi

The expression of selected biomarkers at the systemic and local level in patients with COPD

Patrycja Nejman-Gryz (Warszawa, Poland), Magdalena Papli ska-Goryca, Ma gorzata Proboszcz, Katarzyna Górka, Marta Maskey-Warzechowska, Rafa Krenke

Eosinophils from healthy children (1-3 years) and adults express high levels of prostaglandin D2 receptor 2 (DP2)

Veit Johannes Erpenbeck (Basel, Switzerland), Pamela A Groh, Kristi L Curtsinger, Cross Sarah, Ieuan Jones, Surendra Machineni, Maciej Cabanski, Alessandra Vitaliti, Ying Pluess-Li, Aurelie Verles, Baskaran Dharmalingam, G K Khurana Hershey

IDENTIFICATION OF A DISTINCT EOSINOPHIL SUBPOPULATION IN INDUCED SPUTUM FROM ATOPIC ASTHMATICS

Eder Fredy Mateus Medina (Barcelona, Spain), Ruben Osuna Gomez, Cristina Ujaldón Miró, Astrid Crespo Lessman, Alba García Moral, Elena Curto Sánchez, Lorena Soto Retes, Vicente Plaza Moral, David Ramos Barbón

Eosinophil-derived neurotoxin (EDN) in healthy and asthmatic volunteers

Simon Young (Melbourn, United Kingdom), Bert Rutten, Nisha Kurian, Rabia Hidi, Glen Hughes

Increased sputum B cells in severe eosinophilic asthma: a local auto-inflammatory process

Hui Fang Lim (Singapore, Singapore), Sheau Yng Lim, Manali Mukherjee, Nadia Suray Tan, Wai Shiu Fred Wong, Veronique Angeli

Effect of MTHFR C677T polymorphism on allergic airway disease in asthma patients

Marina Lampalo (Zagreb, Croatia), Irena Jukic, Jasna Bingulac-Popovic, Ana Hecimovic, Nikola Ferara, Sanja Popovic-Grle

19 bp del DHFR POLYMORPHISM IN BRONCHIAL ASTHMA

Margarida Castro (Lisbon, Portugal), Joana Ferreira, Diogo Sarmento, Carla Carvalho, Andreia Matos, Manuel Bicho

Polymorphism of genes (IL4, IL5) as genetic predisposition to asthma in children

Svetlana Smirnova (Krasnoyarsk, Russian Federation), Marina Smolnikova, Olga Konopleva

Comparative analysis of the morphological features of the mucous membrane in various clinical forms of rhinitis

Sadyk Gusniev (Moscow, Russian Federation), Tatyana Barkhina, Michail Guschin, Sergey Polner

Estimation of prevalence of grass pollen sensitization among patients with seasonal allergic rhinitis in Armenia

Irina Morsikyan (Yerevan, Armenia), Armen Nazanyan, Ovsanna Asatryan, Sevan Iritsyan, Bella Kalashyan, Anna Garukyan, Artur Shukuryan

PREVALENCE OF SENSITIZATION TO AVIAN OR FUNGAL PROTEINS IN DIFFERENT WORK ENVIRONMENTS.

M^a Jesus Cruz Carmona (Barcelona, Spain), Tomás Montalvo, Iñigo Ojanuren, Christian Romero-Mesones, MariA-Dolores Untoria, Silvia Sánchez-Díez, Juan-Carlos Senar, Sandra Franco-Gutierrez, Victor Peracho-Tobena, Ferran Morell, Xavier Muñoz

Penicillium oxalicum, a dominant airborne fungal spore allergen from West Bengal, India

Partha Karak (Kolkata (West Bengal), India), Sharmistha Das, Kashinath Bhattacharya

Clinical peculiarities of seasonal respiratory allergy in children

Olena Kuznietsova (Zaporizhzhia, Ukraine), Svitlana Nedelska

Peculiarities of cytokine concentration in patients with nasal polyposis and asthmatic triad

Svetlana Smirnova (Krasnoyarsk, Russian Federation), Anna Lazareva, Oksana Kolenchukova

The role of certain regulatory cytokines in the immunopathogenesis of extrinsic allergic alveolitis

Gulbahor Fazilova (Samarkand, Uzbekistan), Gulbahor Fazilova, Jamshid Ismailov, Nematilla Aralov

Immunological features of active herpesviral infection in bronchial asthma

Anna Konishcheva (Moscow, Russian Federation), Valentina Gervazieva

Serum leptin – is it associated with levels of airway responsiveness?

Louise Lindhardt Toennesen (Copenhagen, Denmark), Celeste Porsbjerg, Charlotte Suppli Ulrik, Lotte Harmsen, Vibeke Backer

The diagnostic value of biomarkers in allergic and non-allergic asthma phenotype

Marina Lampalo (Zagreb, Croatia), Irena Jukic, Jasna Bingulac-Popovic, Nikola Ferara, Sanja Popovic-Grle

Relationship between HLA-DQA1, -DQB1 gene polymorphism and susceptibility to pollen allergy in Russians

Bella Shamgunova (Astrakhan', Russian Federation), Natalia Astafieva, Ludmila Zaklyakova, Denis Kobzev

12:50 - 14:40

Thematic poster: Genetics in chronic pulmonary diseases**Disease(s) :** Airway diseases Interstitial lung diseases Respiratory infections Thoracic oncology**Method(s) :** Cell and molecular biology General respiratory patient care Epidemiology**Chairs :** Guillaume Beltramo (Dijon, France), Arnaud Mailleux (Paris, France)**Genetic and epigenetic analysis of the 17q12-21 locus in the Saguenay–Lac-Saint-Jean (SLSJ) asthma familial cohort.**

Lucile Pain (Chicouimi, Canada), AndréAnne Morin, Anne-Marie Boucher-Lafleur, Jolyane Meloche, Catherine Laprise

The role of genes IL10 (rs1800872) and TNF (rs2239704) in the pathogenesis of bronchial asthma and tuberculosis

Irina Zhalsanova (Tomsk, Russian Federation), Elena Bragina, Maxim Freidin, Nadezhda Babushkina, Anna Garaeva, Olga Kolokolova, Densema Gomboeva, Nataliya Tarasenko, Valery Puzyrev

Clinical and transcriptomic profiles of severe asthmatics with high or low expression of the glucocorticoid receptor and importin-7.

Pankaj Bhavsar (London, United Kingdom), Ranga Mullegama, Stelios Pavlidis, Kian Fan Chung, Ian Adcock

-444 A/C polymorphism in the leukotriene-C4 synthase gene in patients with bronchial asthma

Vladyslava Kmyta (Sumy, Ukraine), Nataliia Cherednichenko, Liudmyla Prystupa

Genetic association of circadian clock genes and the risk of childhood asthma

Wojciech Langwi ski (Poznan, Poland), Paulina Sobkowiak, Beata Narozna, Irena Wojsyk-Banaszak, Monika Dmitrzak-Weglarz, Anna Breborowicz, Aleksandra Szczepankiewicz

The role of GSTT1 and GSTM1 gene polymorphisms in bronchial asthma

Margarida Castro (Lisbon, Portugal), Joana Ferreira, David Sarmento, Carla Carvalho, Andreia Matos, Manuel Bicho

The detection of EGFR mutations in liquid biopsy by allele-specific qPCR – the comparative evaluation of two common diagnostic tests

Adam Szepechinski (Warszawa, Poland), Katarzyna Duk, Piotr Wojcik, Maciej Bryl, Piotr Rudzinski, Włodzimierz Kupis, Grzegorz Czyzewicz, Piotr Kopinski, Tadeusz Orłowski, Joanna Chorostowska-Wynimko

Utilisation of biomarker testing to guide therapy in non-small cell lung cancer in a regional lung cancer service

vijayalakshmi karunanithi (Stevenage (Hertfordshire), United Kingdom), Thida Win

The predictive role of TLR4 +3725 G/C polymorphism in community-acquired pneumonia (CAP) severity course among young respondents with cytomegaloviral persistence (CMVP)

Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine), Larisa Moroz, Tetyana Konstantynovych

New inbred mouse strains for the studying M. tuberculosis – host interactions

Boris Nikonenko (Moscow, Russian Federation), Nadezhda Logunova, Irina Bocharova, Alexander Apt

High-Coverage Whole Exome Sequencing Identifies Novel Frameshift Deletion of LRBA Gene in Monozygotic Twin with Common Variable Immunodeficiency.

Asiah Kassim (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Adiratna Mat Ripen, Hamidah Ghani, Chai Teng Chear, Saharuddin Mohamad

Mechanical cyclic stretch of the respiration and in vitro microvascular remodeling

Soheila Zeinali (Bern, Switzerland), Emily K. Thompson, Thomas Geiser, Olivier T. Guenat

Age-related gene and microRNA expression changes in the airways of healthy individuals

Roy R. Woldhuis (Groningen, Netherlands), Jennie Ong, Ilse M. Boudewijn, Anke Van Den Berg, Joost L. Kluiver, Klaas Kok, Martijn M. Terpstra, Victor Guryev, Maaïke De Vries, Corneel J. Vermeulen, Wim Timens, Maarten Van Den Berge, Corry-Anke Brandsma

Premature aging in Zmpste24 deficient mice protects them from bleomycin induced lung fibrosis through upregulation of antifibrotic microRNAs

Annie Pardo (México D.F, Mexico), Jazmin Calyeca, Raul J Olmos, Rogelio Jasso, Yalbi Balderas-Martínez, Quetzali Rivera, Moises Eduardo Selman Lama

PD-L1 expression on alveolar macrophages and in plasma of IPF patients – original research

Dragana M. Jovanovi (Beograd, Republic of Serbia), Jelena Kotur-Stevuljević, Jelena Marković, Olivera Lonarević, Marioara Simon, Marina Roksandi-Milenković, Ivana Vukanić, Milica Kontić, Natalija Samardžić, Vesna Eriman, Spasoje Popević, Sofija Glumac, Vesna Škodrić-Trifunović, Sanja Škodrić-Radojević, Branislav Ilić

HLA class II alleles and haplotypes are associated to the presence autoantibodies and mortality in Hypersensitivity Pneumonitis patients.

Ramcés Falfán Valencia (Mexico, Mexico), Ivette Buendía-Roldán, Luis Santiago-Ruiz, Gloria Pérez-Rubio, Enrique Ambrocio-Ortiz, Mayra Mejía, Geovanni Benítez, Martha Montaña, Moisés Selman

A disintegrin and metalloproteinase with thrombospondin motifs 18 (ADAMTS18) is a novel regulator of BPD

Tiantian Lu (Shanghai, China), Ning Yang, Bi-Sen Ding, Suying Dang, Wei Zhang

12:50 - 14:40

Thematic poster: Difficult-to-treat respiratory infections**Disease(s) :** Respiratory infections Respiratory critical care**Method(s) :** Epidemiology General respiratory patient care Respiratory intensive care Public health Endoscopy and interventional pulmonology Cell and molecular biology Imaging**Chairs :** Carlos M. Luna (Ciudad Autónoma Buenos Aires, Argentina), Stephanie Everaerts (Leuven, Belgium), Oriol Sibila (Barcelona, Spain), Chair to be confirmed**Major infections after cardiac surgery and antibiotic management practises in a tertiary care centre**

Supraja Kalyanaraman (Chennai (Tamil Nadu), India), Rohit Anusha, Durairajan Suresh, Soundar Sharmila, Kangusamy Bhoopathi

The aetiology of thoracic empyema in the Australian Capital Territory: An old enemy with a new army.

Budhima Nanayakkara (Cooma (NSW), Australia), Jian Tai, Joe Lemberger, Carol Huang

The impact of 2016 guideline on clinical practice for the management of hospital-acquired and ventilator-associated pneumonia in Taiwan

Chia-Lin Yang (Douliu, Taiwan), Yen-Fu Chen, Chi-Ying Lin

Analysis of causes of death and mortality risk factors in elderly patients hospitalized due to pneumonia

Yuri Suzuki (Tokyo, Japan), Noriko Sakuma, Masakazu Kohno, Toshihiko Sakai, Hirokazu Tojima

Paragonimus westermani infection manifested as pulmonary cavity and adrenal gland mass: case report

Hyun Jung Kim (Daegu, Republic of Korea), Yong-Shik Kwon

Outcomes of Fibrinolytic therapy for acute empyema.

Takahisa Koizumi (Niigata, Japan), Hiroshi Moriyama, Tatsuhiko Hirono, Tetsuro Ohdaira, Takehiro Watanabe

Clinical analysis of pulmonary Mycobacterium kansasii disease

Yoshihiro Kobashi (Kurashiki (Okayama), Japan), Ryo Shirai, Shigeki Kato, Mikio Oka

Safety and efficacy of reduced dose intrapleural alteplase and DNAase for pleural infection

Hugh Ip (London, United Kingdom), Alex West, Deirdre Wallace, Farinaz Noorzad, Liju Ahmed

Microbiology of pleural infection according to setting

Maged Hassan, Tamsin Cargill, Eihab Bedawi, John Corcoran, Elinor Harriss, Rachelle Asciak, Rachel Mercer, Rob Hallifax, Najib Rahman

Features of hospital-acquired pneumonia in gerontological patients of the Altai Regional Clinical Hospital.

Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Aleksandra Balitskaya, Antonina Berdyugina, Valeriy Elykomov, Andrew Zateev, Igor Babushkin

Predictors for length of hospital stay in patients with community-acquired Pneumonia.

Houda Rouis (Tunis, Tunisia), Hamida Kwas, Ines Zendah, Ibtihel Khouaja, Amel Khattab, Habib Ghédira

Predictive factors for methicillin-resistant Staphylococcus aureus (MRSA) infection in a MRSA screening protocol.

Daniel Oliveira Reis (Ovar, Portugal), Margarida Costa Silva, Carla Ribeiro, Eloísa Silva, Margarida Dias, Daniel Pires Coutinho, Teresa Shiang, Gabriela Abreu, Inês Sanches, Manuela Vanzeller

Epidemiology and outcome of ventilator associated pneumonia in an tertiary care ICU of India.

Shuvranu Ghosh (New Delhi (Delhi), India), Amit Dhamija, Debashish Dhar, Arup Basu, Neeraj Goel

MYCOBACTERIUM KANSASII LUNG INFECTIONS COMPARED TO OTHER NONTUBERCULOUS MYCOBACTERIA

Sandra Pedrero Tejada (Santurtzi (Vizcaya), Spain), Eva Tabernero Huguet, Borja Ortiz De Urbina Antia, Idoia Salinas Garrido, Beatriz Gonzalez Quero, Eunáte Arana Arri, Elena Urrea Zalbidegoitia, Rafael Zalacain Jorge

Additional diagnostic value of chest CT in patients with suspected pneumonia.

Takuto Sueyasu (Fukuoka, Japan), Kazunori Tobino, Masanobu Okahisa, Kojin Murakami, Yuki Goto, Miyuki Munechika, Kohei Yoshimine, Saori Nishizawa

Pulmonary actinomycosis in Brazil: a retrospective case series

Philippe Figueiredo Braga Colares, Tomás Béder, Roberta Karla Sales, Ellen Pierre Oliveira, Felipe Marques Costa, André Nathan Costa

Low respiratory tract infection (LRTI) in ALS patients. A regional referring centre experience

Paola Pierucci (Sydney (NSW), Australia), Enrico Buonamico, Pierluigi Intiglietta, Giuseppe Cassano, Pierluigi Carratù, Silvano Dragonieri, Onofrio Resta

Whole-blood test for the diagnosis of lung Cystic Echinococcosis

Linda Petrone (Roma (RM), Italy), Valentina Vanini, Vincenzo Schininà, Elisa Busi Rizzi, Edoardo Pozio, Giuseppe Cardillo, Marco Di Martino, Antonella Teggi, Delia Goletti

Clinical profile and outcome of patients with sputum positive Acinetobacter baumannii infection

Parakkal Sukumaran (Kottayam (Kerala), India), Beena Thomas, Sethu Babu, Seema Oommen

12:50 - 14:40

Thematic poster: Aspects of pulmonary rehabilitation and chronic care

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases Respiratory infections

Method(s) : General respiratory patient care Physiology Epidemiology Imaging

Chairs : Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Neil Greening (Leicester (Leicestershire), United Kingdom), Carolyn Rochester (New Haven, United States of America), Maud Koopman (Maastricht, Netherlands)

The efficiency of pulmonary re-rehabilitation

Ebru Karaçay Ye ilö lu (Ankara, Turkey), Ipek Candemir, Pinar Ergün, Dicle Kaymaz, Neşe Demir, Fatma Engül

The effect of community lung rehabilitation guidance on the quality of life of patients with COPD.

Fangbo Zhao (Changchun (Jilin), China), Shuang Wang, Hongjing Lin

Severe legs symptoms at the end of a 6-min walk test: evidence of low physical activity in COPD?

Clara Martín Ontiyuelo (Sant Cugat del Vallès (Barcelona), Spain), Anna Rodó-Pin, Antonio Sancho Muñoz, Concepción Ballano Castro, Laura Gutiérrez Marín, Lluís Molina Ferragut, Joaquim Gea Guiral, Diego Agustín Rodríguez Chiaradía

Obstructive sleep apnea syndrome in cardiac rehabilitation patients

David HUPIN (Saint-Etienne, France), Vincent Pichot, Mathieu Berger, Jérémy Raffin, Pierre Labeix, Delphine Maudoux, Jean-Claude Barthélémy, Frédéric Roche

Objectively measured physical activity and sedentary behaviour of 287 individuals with COPD before starting pulmonary rehabilitation

Wolfgang Geidl (Erlangen, Germany), Johannes Carl, Samuel Cassar, Nicola Leibert, Michael Wittmann, Rupert Wagner, Konrad Schultz, Klaus Pfeifer

Outcomes post hip fracture for patients with COPD

Lewis Buss (Nottingham, United Kingdom), Tricia McKeever, Jessica Nightingale, Ralph Akyea, Benjamin Ollivere, Iain Moppett, Charlotte Bolton

Applying the ESPEN definition of Malnutrition in patients with stable Chronic Pulmonary Obstructive Disease: associations with Mortality and Healthcare use at 2 years

Ester Marco Navarro (Barcelona, Spain), Monique Messaggi-Sartor, Vanessa Dávalos-Yerovi, Anna Guillén-Solà, Esther Barreiro, Diego A. Rodríguez, Eva M. Pascual, Dolores Sánchez-Rodríguez

Impact of initiation of a home oxygen service on oxygen cylinder refills and use of urgent orders

Claire Davey (London, United Kingdom), Emma Barter, Jane Simpson

Effect of Pulmonary Rehabilitation on Functional Exercise Capacity and Hypoxemia in Patients with Interstitial Lung Diseases: a retrospective study

Mauro Maniscalco (Napoli (NA), Italy), Salvatore Fuschillo, Alberto De Felice, Carlo Gaudiosi, Michele Martucci

Anatomical and Functional Repercussions of Sequelae of Pulmonary Tuberculosis: Cross-Sectional Observational Study

Debora Scheucher (Uberlandia (MG), Brazil), Michelle Godoy Canazza Damian, Nicholas Godoy Canazza Damian, Maria Aparecida Gonçalves Gomes, Vinicius Pafume De Oliveira, Robinson Sabino Da Silva, Luiz Ricardo Goulart Filho, Thulio Marquez Cunha

Impact of a long-term respiratory rehabilitation program on patients with COPD.

Pablo Mariscal Aguilar (Madrid, Spain), Jose Andres Tenes Mayen, Yolanda Martínez Abad, Raul Galera, Francisco García Río, Rodolfo Alvarez Sala-Walther, Mercedes Marin, Carlos Carpio

The effects of pulmonary rehabilitation in patients with Combined Pulmonary Fibrosis and Emphysema (CPFE)

Andriana Papaioannou (Vrilissia (Athens), Greece), Effrosyni Manali, Panagiotis Lyberopoulos, Anastasia Papaporfyriou, Maria Kallieri, Sotiris Gyftopoulos, Dimitrios Konstantonis, Eleni Stagaki, Georgia Papadaki, Konstantinos Kostikas, Roula Spetsioti, Ioannis Vogiatzis, Argyro Mazioti, Stelios Loukides, Spyros Papiris

Free diving-based breathing techniques in COPD Rehabilitation

Morten Borg (Brabrand, Denmark), Tue Thastrup, Kurt Larsen, Ole Hilberg, Anders LøKke

Is integrated pulmonary and heart failure rehabilitation effective and safe in primary care?

Alex Woodward (Leicester (Leicestershire), United Kingdom), Sudip Ghosh, Gillain Doe, Dave Clarke, Noel O'Kelly

Relationship between functional capacity, dynamic and static muscle function assessments in people with Chronic Obstructive Pulmonary Disease (COPD)

Sarah Géphine (Ville de Québec, Canada), Erik Frykholm, André Nyberg, Kim-Ly Bui, Francois Maltais, Didier Saey

What are the determinants in Patient Activation Scores in COPD?

Freddy Frost (Liverpool (Merseyside), United Kingdom), Sarah Sibley, Alison Healey, Sam Pilsworth, Dennis Wat

Augmented reality glasses as a new tele-rehabilitation tool for home use: patients' perception and expectations

Jose Cerdán de las Heras (Aarhus C, Denmark), Mikko Tulppo, Antti Kiviniemi, Ole Hilberg, Anders Løkke, Simo Ekholm, Elisabeth Bendstrup

Effectiveness of pulmonary rehabilitation initiated after exacerbation of Chronic Obstructive Pulmonary Disease

Yavuz Havlucu (Manisa, Turkey), Tu ba Göktalay, Lale Cerraho Lu, Necati Balç, Arzu Yorgancı O Lu

Association of caregiver burden and depression in caregivers of patients with chronic respiratory failure secondary to advanced and end stage lung disease

Sehnaz Olgun Yıldıze (Istanbul, Turkey), Huseyin Arikan, Umut Kasapoglu, Derya Kocakaya, Emel Eryüksel, Berrin Ceyhan, Sait Karakurt

Patients profile and pulmonary rehabilitation in interstitial lung disease

Genevieve Courteau Godmaire (Montreal, Canada), Mélina Lalande-Gauthier, Bruno-Pierre Dubé, Julie Morisset, Claude Poirier

12:50 - 14:40

Thematic poster: Paediatric asthma: new insights in its prevalence, treatment and treatment failure

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Epidemiology Public health

Chairs : Giorgio Piacentini (Verona (VR), Italy), Thomas Janssens (Leuven, Belgium), Giuseppe Fabio Parisi (Catania (CT), Italy), Chair to be confirmed

An exploratory questionnaire to assess the confidence levels of practice nurses when managing asthma in children within local General Practices

Anita Critchlow (Hope Valley (South Yorkshire), United Kingdom), Elphick Heather

Improving Paediatric asthma care - a one stop nurse led approach

Sally Hails (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Samantha Moss, Jen Townshend

Can exposure to nitrogen dioxide concentration be reduced by a simple action plan?

Lee Koh (London, United Kingdom), Steve Cunningham, Jonathan Grigg

Acute childhood asthma significance from health care workers' and caregivers' perspective in a low resource setting: a qualitative study.

Cristina Ardura-Garcia (Madrid, Spain), Philip Cooper, John Blakey, Natalia Romero-Sandoval

Physical activity in 6 to 17 years old children with controlled asthma in a pediatric pulmonology tertiary center.

Cyril Schweitzer (Vandœuvre-Les-Nancy, France), Méryl Simermann, Maud André, Aurore Blondé, Stéphanie Metche, Sébastien Kiefer, Iulia Ioan, Silvia Demoulin-Alexikova, Aurélie Tatopoulos

Efficiency of physiotherapy with Caycedian Sophrology on children with asthma: a randomized controlled trial.

Huguette Romieu (Montpellier, France), Francoise Charbonnier, Dora Janka, Aymeric Douillard, Valerie Macioce, Kathleen Lavastre, Hamouda Abassi, Marie-Catherine Renoux, Thibault Mura, Pascal Amedro

Home monitoring of asthmatic children with connected sensors

Nico Willard (Eindhoven, Netherlands), Bert Den Brinker, Marian Dekker, Daniele De Massari, Mareike Klee, Fik Van Lint

Usefulness of portable spirometry in addition to clinical asthma control score (C-ACT) in atopic children before performing an oral food challenge.

Mathilde Jouglet (NANCY, France), Cyril SCHWEITZER, Silvia Demoulin-Alexikova, Amandine Luc, Iulia Ioan, Pascale Dumond, Amandine Divaret-Chauveau

Childhood asthma control and compliance with respect to parental concerns about treatment

Elif Dagli (Istanbul, Turkey), Miray Kosten, Gamze Gul, Hazal Gul Yesil, Merve Gul, Mina Gholami Baroughi

The association of physical activity and sedentary lifestyle with asthma in childhood

Emilija Vlashki (Skopje, FYROM (Macedonia)), Valentina Cvejaska Cholakovska, Mica Kimovska, Lidija Seckova, Tara Ristevska, Joshua Lawson

'In Control' - changing asthma attitudes in adolescents through drama

Gioia Mosler (London, United Kingdom), Katherine Harris, Jonathan Grigg

Role of exhaled breath condensate 8-Isoprostane in asthmatic children treated with laser Acupuncture

Mai Elsheikh, Nagwa Hassan, Asma Alsharkawy, Magda Elseify, Mona Soliman, Ola Dabbous, Manal Abd Al Aziz, Speaker to be confirmed

Patient engagement in a paediatric difficult asthma clinic.

Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Simon Gosling

Validation of the Pediatric Asthma Caregiver Quality of Life Questionnaire (PACQLQ) in young Argentinean children

Luciano Enrique Busi (Trelew (Chubut), Argentina), Valeria Bonamino, Peter David Sly

Self-reported prevalence of asthma symptoms in Kharkiv (Ukraine) according to the International Study of Asthma and Allergies in Childhood (ISAAC)

Yuliia Karpushenko (Kharkiv, Ukraine), Viktoriia Klymenko, Olga Kozhina

The prevalence of asthma and related atopic diseases in Sri Lankan children from 2001 to 2013 utilizing the International Study of Asthma and Allergies in Childhood (ISAAC) questionnaire

Kirthi Dias Gunasekera (Colombo, Sri Lanka), D Lakmali Amarasiri, Amitha Fernando, Rajitha Wickramasinghe

Montelukast: neuropsychiatric adverse drug reactions in Tunisian asthmatic children

sarra ammari (manouba, Tunisia), Anissa Berraies, Besma Hamdi, Emna Ben Jemia, Jamel Ammar, Agnès Hamzaoui

12:50 - 14:40

Thematic poster: Sarcoidosis, interstitial lung diseases and various clinical problems

Disease(s) : Pulmonary vascular diseases Airway diseases Respiratory critical care Respiratory infections Interstitial lung diseases Thoracic oncology

Method(s) : General respiratory patient care Cell and molecular biology Surgery Endoscopy and interventional pulmonology Imaging Respiratory intensive care

Chairs : Maurizio Marvisi (Cremona (CR), Italy), Philippe Camus (Dijon, France), Sara Ramponi (Cingia de' Botti (CR), Italy), Veronica Alfieri (Parma (PR), Italy)

Evaluation of the relationship between personality characteristics with emotional intelligence in sarcoidosis patients

Mitra Safa (TEHRAN, Islamic Republic of Iran), Arda Kiani, Fatemeh Ghassem Boroujerdi, Bamdad Mirab Zadeh Ardekani

Mycophenolate Mofetil as a corticosteroid- sparing agent in patients with sarcoidosis.

Eleni Stagaki (Athens, Greece), Effrosyni D. Manali, Georgia Papadaki, Andriana I. Papaioannou, Ioanna Korbilla, Anastasia Papaportfyriou, Alina Giouleka, Maria Kallieri, Lykourgos Kolilekas, Christina Triantafyllidou, Spyridon Papiris

Thoracic sarcoidosis with heart damage

Andrey Ilin (Blagoveshchensk (Amur Oblast), Russian Federation), Anatoliy Lenshin, Juliy Perelman

Multiple aneurysms of the pulmonary arteries revealing Behçet's disease in a teenager
Comabani Flora Elodie Koudessi (Dakar, Senegal), Nafissatou O. Touré, Fatimata B.R Mbaye

Alpha-1 Antitrypsin Deficiency at Pulmonology appointment in a central hospital
Marta Sofia Nobre Pereira (S. Brás de Alportel, Portugal), Claudia Guerreiro, Djamila Neves, Vanda Areias, Karl Cunha, Helena Ramos, Bruno Santos, Jose Contreras, Isabel Ruivo, Fernanda Nascimento, Ulisses Brito

Preparatory grief, anxiety and depression in IPF patients and their caregivers: A fuller picture of the psychological impact of IPF.
Debra Reynolds-Sandford (Adelaide (SA), Australia), Hubertus Jersmann, Paul Reynolds, Bernhard Baune

Antimicrobial peptides in bronchoalveolar lavage in patients with chronic lung diseases
Kristel Svalland Knudsen (Bergen, Norway), Sverre Lehmann, Rune Grønseth, Eli Nordeide, Abraham C. Van Der Linden, Pieter S Hiemstra, Tomas Mikal Lind Eagan

Tracking crackles of Interstitial Lung Disease during sleep.
Gary Baker (Armidale (NSW), Australia), Mark Norman, Pierre Lonchamp, Colin Sullivan

Follow up of high-risk individuals with lung nodules identified on a CT-screening programme
Marie Stolbrink (Liverpool (Merseyside), United Kingdom), Bryony Sedgwick, Rachel Penfold, Laura Root, Gareth Jones

Mutation analysis of Hereditary Hemorrhagic Telangiectasia disease among eastern Spanish population
Gustavo Juan Samper (Valencia, Spain), Javier Milara Payá, Mercedes Ramon Capilla, Estrella Fernandez Fabrellas, Cristina Sabater Abad, Raquel Rodriguez Lopez, Goitzane Marcaida Benito, Carola Guzman Lujan

Evaluation of Pulmonary Complication in Patient with Valvular Heart Surgery: Clinical and Laboratory Significances
Hasan Allah Sadeghi (Tehran, Islamic Republic of Iran), Behshid Ghadrdoost

Validity of Risk Calculator in predicting post operative respiratory failure in patients undergoing elective/emergency surgery at a tertiary care hospital in South India
Surendran Aneeshkumar (Kollam (Kerala), India), L Sundararajan

Black pleural effusion as the presenting feature of lung cancer.
Tiago Alfaro (Coimbra, Portugal), V Fernandes, C Cruz, C R Cordeiro

Care in the Last Days of Life and Carer Perspectives
Ahmed Haque (Gillingham, United Kingdom), Lisa Vincent-Smith, Larisa Crisan, Andradamaria Bianu

Creating a successful medical team using Whatsapp(TM)
Radu Adrian Crisan-Dabija (Iasi, Romania), Traian Mihaescu

Cavitary nodules in rheumatoid arthritis patients and their prognosis
Derya Kocakaya (Istanbul, Turkey), Aysun Aksoy, Yasemin Yalçınkaya, Nevsun Inanç, Emel Eryüksel, Sait Karakurt

Respiratory manifestations in patients with systemic vasculitis with renal involvement in a tertiary hospital
Stamatoula Tsikrika (Athens, Greece), Vasiliki Papanikolaou, Christalleni Christodoulidou, Stamatoula Gardikioti, Christina Vourlakou, Paraskevi Katsaounou, Spiros Zakynthinos, Theofanis Apostolou

Primary Pulmonary Amyloidosis
Pelin Korkmaz (Istanbul Zeytinburnu, Turkey), Murat Kiyik, Aysin Durmaz, Naciye Mutlu, Huseyin Cem Tigin, Halide Nur Ürer, Kemal Karapinar

Association between diffusion capacity and endothelial function in patients with idiopathic pulmonary fibrosis
Clyo Anahi Chávez Méndez (Mexico, Mexico), L Castillo-Aguilar, A Orea-Tejeda, D González-Islas, G Dávila-Said, C Olivo-Villalobos, M Mejía-Ávila, I Buendía-Roldán, E Navarro-Briseño, V Peláez-Herández, K Balderas-Muñoz, M Rivera-Rodriguez, L Hernández-Urquieta

12:50 - 14:40

Thematic poster: Neonatology and paediatric intensive care

Disease(s) : Respiratory critical care Respiratory infections Airway diseases

Method(s) : General respiratory patient care Imaging Physiology Respiratory intensive care Surgery Epidemiology

Chairs : Anna Lavizzari (Milano (MI), Italy), Sanja Zivanovic (London, United Kingdom), Laura Moschino (Padova (PD), Italy), Katie Hunt (London, United Kingdom)

Pulmonary microbes identified by 16S sequencing of tracheal aspirate samples in two neonatal units in the UK

David Gallacher (Cardiff (South Glamorgan), United Kingdom), Dagmar Alber, Grace Logan, Nigel Klein, Richard Wach, Julian Marchesi, Sailesh Kotecha

Clinical outcome of antenatally detected congenital lung malformations: a non-operative approach.

Colin Robertson (Melbourne (VIC), Australia), Andrew Law, Michelle Fink, Joe Cramer

Influence of gender on lung function in prematurely born young people

Christopher Harris (London, United Kingdom), Alan Lunt, Janet Peacock, Anne Greenough

Anatomical and alveolar dead space in mechanically ventilated newborn infants

Theodore Dassios (London, United Kingdom), Paul Dixon, Ann Hickey, Sotirios Fouzas, Anne Greenough

Long term respiratory and developmental outcomes of children with absent pulmonary valve syndrome

Elizabeth Brett (Birmingham, United Kingdom), Katalin Torok, Tarak Desai, Isobel Brookes, Priti Kenia, Satish Rao, Anna Seale, Prasad Nagakumar

Albuterol delivery by soft mist and pressurized metered dose inhalers during noninvasive ventilation in a model of a spontaneously breathing child

Ariel Berlinski (Little Rock, United States of America), Jeanne Velasco

Physical activity and body composition in Norwegian children born extremely preterm

Mette Engan (Bergen, Norway), Maria Vollsæter, Thomas Halvorsen, Hege Clemm

Early life lung microbiome in preterm infants

David Gallacher (Cardiff (South Glamorgan), United Kingdom), Dagmar Alber, Grace Logan, Nigel Klein, Julian Marchesi, Sailesh Kotecha

Multiple breath washout is not useful in infants with bronchopulmonary dysplasia

Nilay Bas Ikizoglu, Laura De Jong, Bulent Karadag, Irwin Reiss, Liesbeth Duijts, Andre Kroon, Esther Van Mastrigt, Harm Tiddens, Refika Ersu, Marielle Pijnenburg

Bronchodilator response in school-aged preterm-born children who had chronic lung disease in infancy

Kylie Hart (Cardiff, United Kingdom), Michael Cousins, Louise Yendle, Gillian Willetts, Iolo Doull, Mark Williams, Sarah Kotecha, John Henderson, Sailesh Kotecha

Fractional exhaled nitric oxide concentration in school-aged children born who had chronic lung disease in infancy

Kylie Hart (Cardiff, United Kingdom), Michael Cousins, Gillian Willetts, Louise Yendle, Iolo Doull, Mark Williams, Sarah Kotecha, John Henderson, Sailesh Kotecha

Long Term Home Oxygen Therapy for Chronic Neonatal Lung Disease: A four year Service Evaluation at Sheffield Children's Hospital

Anne Bean (York (North Yorkshire), United Kingdom), Sonal Kansra, Julie Bell

Acinetobacter baumannii infection and colonization among pediatric patients in pediatric ICU and other ICUs

BEOM JOON KIM (Suwon-si, Republic of Korea), Woo Ri Bae, Kyunghoon Kim, Hyejin Lee, Eun Ae Yang, Hwan Soo Kim, Yoon Hong Chun, Jong-Seo Yoon, Hyun Hee Kim, Jin Tack Kim

Work of breathing at different levels of volume-targeted ventilation in infants with congenital diaphragmatic hernia

Katie Hunt (London, United Kingdom), Theodore Dassios, Kamal Ali, Anne Greenough

Individualised dietary treatment of congenital chylothorax

Louisa Whitfield-Brown (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Samantha Moss

Caucasian small for gestational age infants with bronchopulmonary dysplasia require longer, and more intensive treatment for their disease than appropriate for gestational age, and non-Caucasian counterparts.

Eleanor Grimley (Nottingham, United Kingdom), Andrew P Prayle, Matthew Hurley, Sarah Spencer, Dushyant Batra, Jayesh M. Bhatt

Lung clearance index and exercise capacity among children and adolescents survivors of bronchopulmonary dysplasia

Elpida Hatziaorou (Thessaloniki, Greece), Eleana Kouroukli, Kosmas Sarafidis, John Tsanakas

12:50 - 14:40

Thematic poster: Epidemiology of the use of traditional and emerging tobacco products and e-cigarettes**Disease(s) :** Airway diseases Thoracic oncology Interstitial lung diseases**Method(s) :** Epidemiology Public health General respiratory patient care Surgery**Chairs :** Elif Dagli (Istanbul, Turkey), Mateusz Jankowski (Katowice, Poland), Paraskevi Katsaounou (Athens, Greece)**Comparison of concomitant use of water pipe and cigarette to exclusive cigarette smoking**

Zahra Hessami (Tehran, Islamic Republic of Iran), Hooman Sharifi, Gholamreza Heydari, Sogol Sobhani

Evaluation of prevalence and severity of nicotine addiction among water pipe tobacco smokers in Tehran

Zahra Hessami (Tehran, Islamic Republic of Iran), Hooman Sharifi, Mahshid Aryanpour, Sogol Sobhani

Assessment of Water Pipe Use in Hospitality Establishments in Istanbul

Elif Dagli (Istanbul, Turkey), Pinar Ay, Osman Elbek, Fusun Yildiz, Tanzer Gezer, Murat Ceyhan, Murat Guner

Assessment of Smoke-Free Compliance in Enclosed Spaces of Hospitality Establishments in Istanbul between 2013 and 2017

Elif Dagli (Istanbul, Turkey), Pinar Ay, Fusun Yildiz, Osman Elbek, Tanzer Gezer, Murat Guner, Murat Ceyhan

Domestic Exposure to Tobacco Smoke in Children

Farshad Sharifi (Tehran, Islamic Republic of Iran), Mehdi Varmaghani, Mohammad Reza Masjedi, Masoume Mansouri, Gita Shafiee, Payam Roshanfekr

Investigating the possibility of net transition in the three stages of smoking Iranian men

Mahshid Aryanpour (Tehran, Islamic Republic of Iran), Seyed Mohammadreza Aryan, Mahmoud Yousefifard, Hooman Sharifi, Zahra Hessami, Mostafa Hosseini, Alireza Oraii, Gholamreza Heydari, Mehdi Kazempour-Dizaji, Hamidreza Jamaati

Prospective survey referring to the smoking habits among high school students in Plovdiv, Bulgaria (2004-2010-2016)

Filip Shterev (Plovdiv, Bulgaria), Zlatka Iankova, Ivan Novakov, Nonka Mateva

Smoking behaviour and age

Elif en (Ankara, Turkey), Fatma Çiftci, Sumeyye Ayoç, Dursun Baygul, Zeynep Pinar Onen

Smoking in a tertiary hospital

Virginia Almadana Pacheco (Sevilla, Spain), Jose Antonio Delgado, Sindy Berenice Cedeño, Pedro Rodriguez, Soledad Monserrat, Agustín Valido

Exclusive e-cigarette use among Parisian school students

Bertrand Dautzenberg (Paris, France), Hugo Torregrossa, Maria Melchior, Nicole Rieu, Pierre Birkui, Murielle Mary-Krause, Marie-Dominique Dautzenberg

An observational study of the use and knowledge about e-cigarettes in young Greek adults

Athanasia Pataka (Thessaloniki, Greece), Serafim Chrysovalantis Kotoulas, Evangelia Panagiotidou, Evangelos Chatzopoulos, Panagiotis Kosmoliaptis, Areti Katsouda, Kyriaki – Rafailia Kavazidi, Niki Mpatou, Emiliza Stefanidou, Paraskevi Argyropoulou

The prevalence of e-cigarette and cigarette smoking among students in Central and Eastern Europe - preliminary results of YUPESS study.

Grzegorz Brozek (Katowice, Poland), Mateusz Jankowski, Andrei Shpakou, Michal Poznanski, Ludmila Klimackaya, Jelena Loginovic, Justina Gereova, Marta Rachel, Ihar Naumau, Kamil Kornicki, Zuzana Kristufkova, Krzysztof Bielewicz, Jan Zejda

Electronic cigarette and quit smoking quest in Twitter: Preliminary study

Mehmet Atilla Uysal (Istanbul, Turkey), Asli Carkoglu, Ahmet Kurnaz

Digital epidemiology: Can Google trends give some information about electronic cigarette usage in Turkey?

Mehmet Atilla Uysal (Istanbul, Turkey), Yelda Niksarlioglu, Asli Carkoglu, Omer Uysal, Ali Cevat Kutluk, Bulent Karadag

Electronic Smoking In Parents In Pregnancy; A Multicenter Cross-Sectional Study

Serap Duru (Ankara, Turkey), Elif Özar Yıldırm, Tul n Sevm, Fusun Topcu, Bilun Gemicio lu, Ipek Ozmen, Birsen Ocakli, Eylem Tuncay, Hilal Alt noz, Yasam Kemal Apak, Yelda Varol, Gulru Polat, Serir Ozkan, Nese Dursunoglu, Derya Sakarya, Pinar Yildiz Gulhan, Ozlem Ercen Diken, Pelin Duru Cetinkaya, Arzu Yorganc oglu, Nursel Turkoglu Selcuk, Fusun Yildiz, Tijen Atacag, Yelda N ksarl oglu, Esra Uzaslan, Nurdan Kokturk

Prevalence, views and experience of e-cigarette use by COPD patients in The Birmingham COPD Cohort

Matthew Swallow (Birmingham, United Kingdom), Amanda Farley, Rachel Jordan, Alexandra Enocson, Andy Dickens, David Fitzmaurice, Peymane Adab

Documentation of electronic nicotine delivery systems (ENDS) in medically admitted patients in Connolly Hospital Dublin. Fiona O'Driscoll, Shahzad Ahmed, Waheed Shah, Professor John Faul, Connolly Hospital Dublin, Dublin.

Waheed Shah (Dublin 11, Ireland), Fiona O'Driscoll, Shahzad Ahmed, John Faul

Electronic nicotine delivery systems - new challenge for tobacco control policy: results from Russian tobacco control policy evaluation study

Marine Gambaryan (Moscow, Russian Federation), Marina Popovich, Michail Starovoytov, Anna Kalinina, Oxana Drapkina, Sergey Boytsov

Electronic cigarettes knowledge and use among smokers attending an intensive smoking cessation intervention programme

Maria Aurora Pinto Mendes (Penafiel, Portugal), Paula Faustino, Teresa Almeida, Manuel Preto, M João Oliveira, Margarida Dias, Daniel Coutinho, Inês Ladeira, Miguel Guimarães, Ivone Pascoal

A new era of smoking: Young peoples perceptions of emerging tobacco products.

Jack Bozier (Glebe, Australia), Juliet Foster, Brian Oliver

12:50 - 14:40

Thematic poster: COPD management

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Imaging General respiratory patient care Respiratory intensive care Public health

Chairs : Alexander Mathioudakis (Manchester, United Kingdom), Mario Cazzola (Roma (RM), Italy), Huib A.M. Kerstjens (Groningen, Netherlands), Ioannis Bonovolias (Thessaloniki, Greece)

Dual bronchodilator response according to bronchitis symptoms in the FLAME study

Alexander Mackay (Basel, Switzerland), Konstantinos Kostikas, Stefan-Marian Frent, Karen Mezzi, Pascal Pfister, Pritam Gupta, Francesco Patalano, Donald Banerji, Jadwiga A. Wedzicha

Indacaterol/glycopyrronium vs tiotropium or glycopyrronium in treatment naive COPD patients: a pooled analysis

Shigeo Muro (Kyoto, Japan), Hajime Yoshisue, Alexander J. Mackay, Konstantinos Kostikas, Petter Olsson, Pritam Gupta, Jadwiga A. Wedzicha

Estimating potential cost savings associated with managing COPD according to GOLD 2017 recommendations in UK primary care: a CPRD study

Alexander Mathioudakis (Manchester, United Kingdom), Jorgen Vestbo, Alicia Gayle, Scott Dickinson, Kevin Morris, Samantha Webster, Chris Poole

Indacaterol/glycopyrronium increases lung ventilation in COPD patients as measured by hyperpolarized 3He MRI

Hanns-Christian Tillmann (Basel, Switzerland), David Singh, Dinesh Saralaya, Rod Lawson, Jim Wild, Jonathan Goldin, Konstantinos Kostikas, Kristin Smith, Surendra Machineni, Denise Yates

Effect of ICS withdrawal on COPD exacerbations in patients on triple therapy at baseline

Gary T. Ferguson (Farmington Hills, United States of America), Asif Shaikh, Kay Tetzlaff, Achim Mueller, Henrik Watz

Health status changes in COPD patients after real-life switch from tiotropium or salmeterol/fluticasone to indacaterol/glycopyrronium using the EQ-5D-3L instrument: results from the POWER study

Syed Anees (Windsor (ON), Canada), Andrew Mcivor, Kenneth R. Chapman, Irvin Mayers, Driss Rochdi, David Prefontaine, Alan Kaplan

Extrafine beclometasone dipropionate, formoterol fumarate, glycopyrronium (BDP/FF/G) and exacerbation recurrence: post-hoc analysis of the TRIBUTE study.

Mario Scuri (Parma (PR), Italy), Leonardo Fabbri, Dave Singh, Jorgen Vestbo, Massimo Corradi, Alessandro Guasconi, Isabella Montagna, Hélène Prunier, Stefano Vezzoli, Stefano Petruzzelli, Alberto Papi

Pharmacological treatment of stable Chronic Obstructive Pulmonary Disease: Where do we stand?

Fatma Chermiti Ben Abdallah (Tunis, Tunisia), Marwa Kacem, Imen Bachouch, Nidhal Belloumi, Yasmine Hdidene, Soraya Fenniche

FF/UMEC/VI versus FF/VI and UMEC/VI in the ELLIPTA device in patients with COPD: Subgroup analyses from the IMPACT trial

Dave Singh (Manchester, United Kingdom), Frank Barnhart, Noushin Brealey, Gerard Criner, Mark Dransfield, David M G Halpin, Meilan K Han, C Elaine Jones, Sally Kilbride, Peter Lange, David A Lomas, Fernando J Martinez, Dalal Mouneimne, Robert Wise, David A Lipson

Exacerbation outcomes with LAMA/LABA and ICS/LABA in high risk COPD patients in the IMPACT trial

David A Lipson (Wynnewood, United States of America), Frank Barnhart, Isabelle Boucot, Courtney Crim, Noushin Brealey, Gerard J Criner, Mark Dransfield, David M.G Halpin, Sally Kilbride, Meilan K Han, Peter Lange, David A Lomas, Fernando J Martinez, Dave Singh, Ian Naya Naya, Christine Elaine Jones, Robert Wise

Comparison of LAMA/LABA vs ICS/LABA in high risk COPD patients: Pre-specified analysis on lung function and health status from the IMPACT trial

David A Lipson (Wynnewood, United States of America), Frank Barnhart, Isabelle Boucot, Courtney Crim, Noushin Brealey, Gerard J Criner, Mark Dransfield, David M.G Halpin, Sally Kilbride, Meilan K Han, Peter Lange, David A Lomas, Fernando J Martinez, Dave Singh, Ian Naya Naya, Christine Elaine Jones, Robert Wise

LABA/LAMA combinations efficacy evaluation therapy of COPD patients with emphasized morning and night symptoms

Tanja Pavlovi (Beograd, Republic of Serbia), Dejan Pavlovi, Miodrag Vuk evi, Vladimir Žugi

Baseline symptom burden and dual bronchodilator response in the FLAME study

Alexander Mackay (Basel, Switzerland), Konstantinos Kostikas, Stefan-Marian Frent, Petter Olsson, Pascal Pfister, Pritam Gupta, Francesco Patalano, Donald Banerji, Jadwiga A. Wedzicha

Indacaterol/Glycopyrronium improves pulmonary ventilation and ventilation inhomogeneity in the CLAIM Study

Jens Vogel-Claussen (Hannover, Germany), Till Kaireit, Andreas Voskrebenzev, Christian-Olaf Schoenfeld, Christoph Czerner, Julius Renne, Hanns-Christian Tillmann, Korbinian Berschneider, Simone Hiltl, Johann Bauersachs, Tobias Welte, Jens M. Hohlfeld

Comparison of dual vs triple therapies in patients hospitalized for COPD in France: a claims data study

Faustine Dalon (Lyon, France), Nicolas Roche, Manon Belhassen, Maeva Nolin, Daniel Vesque, Philippe Devillier, Gaetan Deslee, Bruno Housset, Hervé Pegliasco, Eric Van Ganse

Efficacy of tiotropium/olodaterol on sedentary/active time in COPD patients: VESUTO study

Yoshiaki Minakata (Wakayama Wakayama, Japan), Takashi Motegi, Jun Ueki, Yasuhiro Gon, Tetsuo Seki, Tatsuhiko Anzai, Shuhei Nakamura, Kazuto Hirata, Masakazu Ichinose

Effect of tiotropium/olodaterol combination therapy on long-term heart rate and blood pressure in COPD patients

Stefan Andreas (Immenhausen, Germany), Lorcan Mcgarvey, Ulrich Bothner, Matthias Trampisch, Alberto De La Hoz, Matjaz Fležar, Peter Alter, Roland Buhl

Effects of Inhaled Long Acting Muscarinic Antagonist (LAMA) on Lung Functions in Adult Stable Bronchiectasis

Metinee Tungnantawiwat (Bangkok, Thailand), Kamon Kitinarong

AMPLIFY: efficacy of aclidinium vs tiotropium in COPD

Sanjay Sethi (Buffalo, United States of America), Edward Kerwin, Henrik Watz, Gary T Ferguson, Robert Mroz, Rosa Segarra, Eduard Molins, Diana Jarreta, Esther Garcia-Gil

Efficacy of indacaterol/glycopyrronium versus salmeterol/fluticasone in current and ex-smokers: a pooled analysis of IGNITE trials

David M. G. Halpin (Exeter Devon, United Kingdom), Claus F. Vogelmeier, Alexander J. Mackay, Karen Mezzi, Pankaj Goyal, Pritam Gupta, Konstantinos Kostikas, Jadwiga A. Wedzicha

12:50 - 14:40

Thematic poster: Use of stents for tracheal stenosis

Disease(s) : Airway diseases Pulmonary vascular diseases Thoracic oncology Respiratory infections

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Respiratory intensive care Imaging Surgery

Chairs : Johannes M.A. Daniels (Amsterdam, Netherlands), Jean-Michel Vergnon (Saint-Etienne, France), Kaid Darwiche (Essen, Germany), Chair to be confirmed

Long-term results of bronchoscopic cryotherapy for post-intubation tracheal stenosis

Evangelos Balis (Zografou (Athens), Greece), Konstantinos Kotsifas, Nikolaos Tatsis, Angeliki Papanikolaou, Stavroula Boulia, Giolina Chrysou, George Boulbasakos

Comparison of silicon and metallic bifurcated stents in patients with malignant airway lesions

Cengiz Özdemir (Malatya, Turkey), Sinem Nedime Sökücü, Levent Dalar

First Experience with Endobronchial Microwave Ablation (eMWA) of Malignant Airway Stenoses

Marco Trigiani (Ghedi (BS), Italy), Margherita Innocenti, Sofia Romani, Michela Bezzi

Peak Expiratory Flow decrease signals relapse in patients with post intubation tracheal stenosis.

Vassiliki Kossivaki (Athens, Greece), Philip Emmanouil, Vlasios Vitsas, Nikolaos Koufos, Ioannis Athanasopoulos, Nikolaos Koulouris, Grigorios Stratakis

Idiopathic tracheal stenosis, first experience with conservative treatment at high altitude, La Paz-Bolivia. Omar Hidalgo MD. interventional pulmonologist. Rodrigo Pacheco MD. Thoracic surgeon Rita Villalobos MD. Anatomic pathologist.

Omar Hidalgo Martinez (La Paz, Bolivia), Rodrigo Pacheco, Rita Villalobos

The predictors of liberation from mechanical ventilation in patients with acute respiratory failure due to malignant central airway obstruction after metallic airway stenting by flexible bronchoscopy

Wen-Chien Cheng (Taichung, Taiwan), Chih-Yen Tu, Biing-Ru Wu, Chih-Yu Chen, Wei-Chun Chen, Wei-Chih Liao, Chia-Hung Chen

Bronchoscopic treatment of postintubation tracheal stenosis – A 20 year experience

Cláudia Andreia Silva Freitas (Villa Nova de Gaia, Portugal), Filipa Soares Pires, Adelina Amorim, Maria Sucena, António Morais, Gabriela Fernandes, Adriana Magalhães

Biodegradable polydioxanone stent in the treatment of post-intubation and post-tracheotomy stenosis.

Ludek Stehlik (Praha 4, Czech Republic), Vladislav Hytych, Pavel Horazdovsky, Martina Vasakova

bronchoscopic cryo-ablation of endobronchial lung cancer: predictors of recanalization.

Ahmed Shawky Ebrahim (Tanta, Egypt)

A new metallic stent to treat benign lobar bronchus stenosis

Kaid Darwiche (Essen, Germany), Ruediger Karpf-Wissel, Christian Taube, Faustina Funke, Jane Winantea

Interventional bronchoscopy for malignant central airway obstruction: a 7 years cohort study in a french university hospital

FLORENT THEVENET (DIJON, France), Nicolas Favrolt, Ayoub Zouak, Marjolaine Georges, Pascal Foucher, Philippe Camus, Philippe Bonniaud

Bronchoscopic therapy of tracheal stenosis: comparative study of two periods.

Vít zslav Kolek (Olomouc, Czech Republic), Edita Matlochová, Marek Szkorupa, Petr Jakubec, Stanislav Losse, Jaromir Zatloukal

Comparison of two groups of patients with benign airway stenosis from 1998 - 2003 and 2014 - 2016 years

Miloslav Marel (Praha 1, Czech Republic), Martin Trefny, Frantisek Petrik, Dmitry Rakita, Jana Kotrbova, Libor Fila

Video case: Induction of a hydrothorax and retrograde methylene blue (MB) instillation to detect a bronchopleural fistula (BPF)

Øystein Olav Stubhaug (Gjøvik, Norway), Astrid Kravdal

Urgent airway management - experience of an interventional bronchoscopy team

Daniela Patricia Cunha Machado (Rio Tinto, Portugal), Catarina Marques, Filipa Lima, Daniel Coutinho, Sérgio Campinha, Ana Oliveira, Sofia Neves, José Almeida

Primary racemose hemangioma of a bronchial artery complicating bronchial artery to pulmonary artery fistula with giant bronchial artery aneurysms

Susumu Saito (Tiba, Japan), Yasuhiro Kamii, Mina Goti, Yuri Baba, Naoko Takahashi, Syunsuke Inaki, Masamichi Takagi, Kazuyoshi Kuwano

Endoscopic treatment of benign tracheal stenosis: brief and long term results 15 years experience of a single centre

Giacomo Cusumano (Catania (CT), Italy), Salvatore Bellofiore, Carmelo Riscica Lizzio, Rosalia Giarlotta, Alberto Terminella

12:50 - 14:40

Thematic poster: The immune response to tuberculosis: development of biomarkers and diagnostic tools**Disease(s) :** Respiratory infections Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care**Chairs :** Valeriu Crudu (Chisinau, Republic of Moldova), Lorenzo Guglielmetti (Paris, France), Jan Heyckendorf (Hamburg, Germany)**Evaluation of new biomarkers for laboratory diagnosis of tuberculosis**

Ehsan Aryan (Mashhad, Islamic Republic of Iran), Mahsa Sayadi, Zahra Meshkat, Alireza Neshani, Hadi Safdari

MicroRNAs in serum of post primary TB patients.

Vladimir Yermeev (Moscow, Russian Federation), Vladimir Evstifeev, Galina Shepelkova, Anush Ergeshova, Mamed Bagirov

Nucleic acids as markers of effectiveness of tuberculosis treatment

Marina Safaryan (YEREVAN, Armenia), Lilit Gevorgyan, David Khalatyan

Transcriptional Signature Identifies Phenotypic Heterogeneity of Human Tuberculosis Infection

Raman Verma (Leicester (Leicestershire), United Kingdom), Akul Singhanian, Christine Graham, Joanne Lee, Gerrit Woltmann, Anne O'Garra, Pranabashis Haldar

Production, purification and validation of anti-tuberculosis IgY for diagnostic purposes

Ehsan Aryan (Mashhad, Islamic Republic of Iran), Mahdi Kouhi-Noghondar, Mojtaba Sankian, Amir-Ali Arian, Zahra Meshkat

High-resolution quantitative proteomics applied to the discovery of biomarkers of innate immune response in tuberculosis.

Jesús Mateos Martín (Vigo, Spain), Africa Gonzalez-Fernandez, Luis Anibarro, Angeles Pallares, Rajko Reljic, Jose Maria Gallardo, Isabel Medina, Monica Carrera

Mycobacterium tuberculosis blocks phagolysosome maturation in alveolar macrophages of tuberculosis patients

Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva2, Diana Vakhrusheva2, Sergey Skorniyakov2

Mycobacterium tuberculosis reside only inside phagosomes in alveolar macrophages of tuberculosis patients

Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva2, Diana Vakhrusheva2, Sergey Skorniyakov2

Cytokines/chemokines gene expression in the lungs of fibrous-cavernous TB patients.

Galina Shepelkova (Moscow, Russian Federation), Vladimir Evstifeev, Vladimir Yermeev, Anush Ergeshova, Mamed Bagirov

Features of development of TB infection caused by different doses of MBT

Natalya Eremeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Tyulkova, Leonid Lavrechuk, Ksenia Belousova, Tatyana Umpeleva, Diana Vakhrusheva

The study of differential gene expression of matrix metalloproteinases in macrophages infected with Mycobacterium tuberculosis

Shashikant Vaidya (Mumbai (Maharashtra), India), Jinesh Maniar

Assessment of differential activity of reactive radicals in cell lines infected with Mycobacterium tuberculosis .

Shashikant Vaidya (Mumbai (Maharashtra), India), Sukanya Sawant, Jinesh Maniar

Effect of polymorphism of Toll-like receptor genes on the duration of pulmonary tuberculosis

Eugeny Bayke (Chita, Russian Federation), Ekaterina Bogodukhova

Immunological differences between lung tuberculosis and latent tuberculosis infection

Anna Starshinova (St. Petersburg, Russian Federation), Evgenia Istomina, Ulia Zinchenko, Nina Denisova, Michail Nazarenko, Michail Filatov, Vladimir Burdakov, Sergey Landa, Piotr Yablonskiy

Characteristics of IL-12p70 and IL-12p40 serum level among active, latent, and contact with tuberculosis patients

Eliana Muis (Makassar, Indonesia), Nur Ahmad Tabri, Irawaty Djaharuddin, Ayu Purnamasari

Capacities of blood serum lipoarabinomannan in the diagnosis of tuberculosis at a late stage of HIV infection

Artem Dudchenko (Zelenograd, Russian Federation), Mikhail Averbakh, Natalia Karpina, Atajan Ergeshov

Determination of CD4, CD8 and IL-8 levels in serum and BAL fluid of patients with pulmonary anthracosis

Arda Kiani (Tehran, Islamic Republic of Iran), Atefeh Abedini, Mehdi Ramazanpour, Esmaeil Mortaz, Hamidreza Jamaati, Kimia Taghavi, Fatemeh Razavi

12:50 - 14:40

Thematic poster: Clinical challenges in respiratory infection**Disease(s) :** Respiratory critical care Respiratory infections Thoracic oncology Airway diseases**Method(s) :** General respiratory patient care Epidemiology Respiratory intensive care Public health Endoscopy and interventional pulmonology Surgery Physiology**Chairs :** Catia Cilloniz Campos (Barcelona, Spain), Aikaterini Dimakou (Agia Paraskeyi, Greece), Chair to be confirmed**Outcomes of empyema in the elderly: A study from Australia's Capital Territory**

Budhima Nanayakkara (Cooma (NSW), Australia), Jian Tai, Joe Lemberger, Carol Huang

Are there geographical differences in the microbiology of pleural infection?

Maged Hassan (Oxford, United Kingdom), Tamsin Cargill, John Corcoran, Elinor Harriss, Rachelle Asciak, Rachel Mercer, Rob Hallifax, Najib Rahman

Intrapleural tissue plasminogen activator (tPA) and deoxyribonuclease (DNase) for pleural infection in an Asian population: Similar outcomes between 5mg and 10mg regimen

Kim Hoong Yap (Singapore, Singapore), Geak Poh Tan, John Abisheganaden

Endoscopic one-way endobronchial valves in the treatment of persistent air leak with empyema: A Case Series

Giacomo Cusumano (Catania (CT), Italy), Alfonso Fiorelli, Salvatore Bellofiore, Carmelo Riscica Lizzio, Rosalia Giarlotta, Mario Santini, Alberto Terminella

Allergic diseases of upper and lower airways caused by fungi: one or two diseases?

Aleksandra Barac (Belgrade, Republic of Serbia), Predrag Minic, Aleksandra Dudvarski Ilic

Predicting outcomes for invasive fungal tracheobronchitis

Chun Yu Lin (Taoyuan, Taiwan), Yueh Fu Fang

Nosocomial outbreak of OXA-48-producing *Klebsiella pneumoniae* in a respiratory intensive care unit

Gordana Pavliša (Zagreb, Croatia), Ivana Marekovic, Hrvoje Puretic, Fedja Dzubur, Zrinka Bosnjak, Natasa Firis, Miroslav Samarzija

Respiratory viral point of care testing (POCT) allows improved infection control and bed management during an influenza outbreak

Katherine Groom (Brentwood, United Kingdom), Kay Roy, Hala Kandil, Matthew Knight, Mohan Thapa

Usefulness of ICU criteria for invasive pulmonary aspergillosis in critically ill patients

Song-I Lee (Seoul, Republic of Korea), Jin-Won Huh

Respiratory viral infection in immunocompromised patients

Kathleen Jahn (Basel, Switzerland), Desiree Schumann, Michael Tamm, Hans Hirsch, Joerg Halter, Lilian Junker, Werner Strobel, Spasenija Savic, Daiana Stolz

Carbapenem-resistant pathogens in US patients hospitalized with respiratory infections

Bin Cai (FlorhFam Park, United States of America), Bin Cai, Roger Echols, Deborah Rudin, Frank Corvino, Gareth Morgan, Mari Ariyasu, Takuko Sawada, Tsutae Nagata

A case series of 17 patients with pulmonary tularemia in Norway 2016-2018

Astrid Kravdal (Gjøvik, Norway), Øystein Olav Stubhaug

The effects of oral care with 0.2% chlorhexidine with toothbrushing to prevent ventilator associated pneumonia in adults' intensive care units

Mohammad Khan (Kota Bharu (Kelantan), Malaysia), Zeehaida Mohamed, Saedah Ali, Norkhafizah Saddki, Ninin Sukminingrum

Risk factors and clinical characteristics of *Pneumocystis jirovecii* pneumonia in lung cancer

Eun Hye Lee (Seoul, Republic of Korea), Ji Eun Park, Mi Hwa Shin, Eun Young Kim, Sang Hoon Lee, Ah Young Leem, Joo Han Song, Kyung Soo Chung, Young Ae Kang, Young Sam Kim, Joon Chang, Moo Suk Park

Methicillin-resistant Staphylococcus aureus (MRSA) active screening in a Pulmonology department.
Daniel Oliveira Reis (Ovar, Portugal), Margarida Costa Silva, Carla Ribeiro, Eloísa Silva, Margarida Dias, Daniel Pires Coutinho, Teresa Shiang, Gabriela Abreu, Inês Sanches, Manuela Vanzeller

Pneumocystis jirovecii pneumonia (PJP) in lymphoma patients, a tertiary cancer centre review.
Helen Adderley (Manchester (Greater Manchester), United Kingdom), Jihad Syed, Laura Covesmith, Kim Linton

Prevalence and risk factors of frailty in patients with mycobacterium avium complex lung disease-preliminary study-
Kohei Fujita (Kyoto, Japan), Yutaka Ito, Naohiro Uchida, Osamu Kanai, Misato Okamura, Koichi Nakatani, Tadashi Mio

Factors associated with colonization and infection by Carbapenem Resistant Enterobacteriaceae
Inês Sucena Pereira (Vila Nova de Gaia, Portugal), Adelaide Alves, Carla Ribeiro, Eloísa Silva, Teresa Shiang, Manuela Vanzeller

Aspergillus Lung Infections: A Seasonal Risk
Tarang Kulkarni (Mumbai (Maharashtra), India), Beauty Biswas, Praveen Shahi, Raja Dhar

MIC distributions of 35 antibiotics for 54 clinical isolates of Mycobacterium lentiflavum
Akiko Takaki (Tokyo, Japan), Akio Aono, Kinuyo Chikamatsu, Yuriko Igarashi, Kazuma Yagi, Takanori Asakura, Naoki Hasegawa, Syuichi Matsuda, Kozo Morimoto, Yuka Sasaki, Masayuki Ikeda, Takayuki Tomii, Kiyoko Tamai, Yukiko Nakada, Yoshiro Murase, Hiroyuki Yamada, Satoshi Mitarai

12:50 - 14:40

Thematic poster: Bronchoscopy and transthoracic ultrasound

Disease(s) : Airway diseases Thoracic oncology Respiratory critical care Respiratory infections Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Endoscopy and interventional pulmonology Respiratory intensive care Imaging General respiratory patient care Cell and molecular biology

Chairs : Prashant Nemichand Chhajed (Mumbai, India), Daniela Gompelmann (Heidelberg, Germany), Chair to be confirmed

Optimal timing of bronchoscopy in patients with hemoptysis
Michele Mondoni (Cremona (CR), Italy), Paolo Carlucci, Giuseppe Cipolla, Alessandro Fois, Stefano Gsparini, Silvia Marani, Sara Job, Fausta Alfano, Stefano Centanni, Giovanni Sotgiu

Evaluation of ground-glass opacity cases diagnosed by bronchoscopy
Kohei Okafuji (Tokyo, Japan), Atsushi Kitamura, Ryosuke Imai, Hiroaki Kanemura, Kenji Ishii, Ryosuke Tsugitomi, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura

Narrow Band Imaging: Advantages over white light bronchoscopy; Single center experience of 500 patients.
Deepak Muthreja (Nagpur (Maharashtra), India), Rajesh Swarnakar, Anil Sontakke

Immunocytological study of bronchioloalveolar lavage (BAL) in interstitial lung diseases (ILD) diagnosis
Marioara Simon (Cluj-Napoca (Cluj), Romania), Antonia Harangus, Ioan Simon, Spasoje Popevic, Dragana Jovanovic

Diagnostic Value of Imprint Cytology Evaluation in Bronchial Biopsies
Filipa Ramalho Fernandes (Alcanena, Portugal), Jorge Dionísio, Didina Coelho, Rúben Roque, Fernando Cunha, Ambrus Szantho, Duro Da Costa

DEEP SEDATION: USE OF TARJET CONTROL INFUSION VERSUS ADMINISTRATION OF PROPOFOL IN CONTINUOUS PERFUSION DURING THE PERFORMANCE OF BRONCOSCOPES

Blanca De Vega Sanchez (Valladolid, Spain), Ignacio Lobato Astiárraga, Carlos Disdier Vicente, Ana Maria Andrés Porras, Stefania Soldarini, Claudia Iglesias Perez, Sofia Jaurieta Largo, Maria Jose Chourio Estaba, Ana Isabel Garcia Onieva, Santiago Antonio Juarros Martínez, Vicente Roig Figueroa

Pulmonary re-biopsy in non-small-cell lung cancer (NSCLC) locally advanced or metastatic with EGFR-T790M resistance.
Elena Torricelli (Firenze (FI), Italy), Francesca Mazzoni, Valeria Pasini, Margherita Innocenti, Elena Bargagli, Lornezo Corbetta

Identification of the pattern of hypoventilation by respiratory signal monitor during the induction of bronchoscopic sedation
Ting-Yu Lin (Taipei, Taiwan), Hau-Tieng Wu, Yu-Ting Lin, Han-Pin Kuo, Yu-Lun Lo

Predictors for bronchoalveolar lavage (BAL) recovery rates derived from preprocedural quantified computed tomography (CT)

Frederik Trinkmann (Mannheim, Germany), Joshua Gawlitza, Holger Haubenreisser, Thomas Henzler, Martin Borggreffe, Stefan O. Schoenberg, Ibrahim Akin, Julia D. Michels

A randomized trial of navigational endosonographic ultrathin bronchoscopy versus thin bronchoscopy for the diagnosis of peripheral pulmonary lesions

Masahide Oki (Nagoya, Japan), Hideo Saka, Fumihiro Asano, Chiyoe Kitagawa, Yoshihito Kogure, Masahiko Ando

Flexible bronchoscopy guided vocal cord biopsy under conscious sedation in special situations: An option to conventional biopsy techniques

Abhinav Singla (Essen, Germany), Sheelu Srinivas, Nivedha Giridharan, Lakshmi Priya Srinivasan, Ravindra M. Mehta

Transbronchial biopsy from the upper lobes is associated with increased risk of iatrogenic pneumothorax.

Michaela Parezová (Brno 39, Czech Republic), Vladimir Herout, Ivan Cundrle, Kristian Brat

Performance of a Novel Flexible 21G Peripheral TBNA Needle in Patients

Anna Sczaniecka (Redmond, United States of America), Roberto Casal, Alexander Chen, Antoine Delage, Stefano Gasparini, Robb Krukltis, Stephen Lam, Maren Schuhmann, Alain Tremblay, Nichole Tripician Tanner, Xavier Gonzalez

Fiberoptic bronchoscopy in the upper airway

Maria Del Carmen Fernandez Criado (Sevilla, Spain), Nuria Reyes Nuñez, Javier Gallego Borrego, Antonio Javier Cruz Medina, Cristina Carrasco Carrasco, Inmaculada Alfageme Michavila

LUNG TRANSTHORACIC ULTRASOUND (TUS) ELASTOGRAPHY: USEFULNESS IN THE STUDY OF PLEURO-PULMONARY IMAGES SUSPECTED OF MALIGNANCY

Desiree Lozano Vicente (Murcia, Spain), Javier Perez Pallares, Mercedes Guillamon, María Del Mar Valdivia, Gema Diaz, Francisco Javier Bravo, Pedro García, Rocío Ibañez, Carlos Castillo, Pedro Menchón, Olga Meca, Jose Javier Martínez, Antonio Santa Cruz

A prospective cohort study of super selective Bronchial Artery Embolization for hemoptysis : efficacy and the differences between embolic materials

Takashi Niwa (Ichinomiya, Japan), Shota Takehara, Kosuke Isomoto, Ryota Ohtoshi, Tae Iwasawa, Chihito Komaki, Takashi Ogura

Yield of ultrasound guided Tru-Cut biopsy of peripheral thoracic masses by pulmonologists

Fouzia Raza (Quetta, Pakistan), Fouzia Raza, Syed Hidayatullah, Farooq Uighor, Shereen Khan

Contrast-enhanced chest sonography in the control of transthoracic cutting type needle biopsies

Teodora Mihalova (, Bulgaria), Rossen Petkov, Dimitar Kostadinov, Yanina Slavova

The diagnostic value of EBUS-TBNA for small mediastinal and hilar lymph nodes.

Upul Pathirana (Kurunegala, Sri Lanka), Damith Rodrigo, Jaymin Morjaria

12:50 - 14:40

Thematic poster: COPD: novel pathological mechanisms in the airway epithelium

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology Physiology Public health

Chairs : Anne M. van der Does (Leiden, Netherlands), Christoph Beisswenger (Homburg (Saar), Germany), Machteld N. Hylkema (NH Haren, Netherlands), Serena Di Vincenzo (Palermo (PA), Italy)

LSC - 2018 - Characterization of decellularized COPD lung matrices using mass spectrometry proteomics

Franziska Uhl (Burlington, United States of America), Barbora Zvarova (Barbora.Zvarova@uvm.edu / University of Vermont, College of Medicine, Burlington, VT), Bethany Ahlers (Bethany.Ahlers@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Catrina Hood (Catrina.Hood@uvm.edu / University of Vermont, Vermont Genetics Network, Burlington, VT), Bin Deng (Bin.Deng@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Ying-Wai Lam (Ying-Wai.Lam@uvm.edu / University of Vermont, Department of Biology, Burlington, VT), Erica Beatman (BeatmanE@NJHealth.org / National Jewish Health, Denver, CO), Kelly Schweitzer (SchweitzerK@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Irina Petrache (PetracheI@NJHealth.org / National Jewish Health, Division of Pulmonary, Critical Care and Sleep Medicine, Denver, CO), Daniel Weiss (daniel.weiss@uvm.edu / University of Vermont, College of Medicine, Burlington, VT), Darcy Wagner (darcy.wagner@med.lu.se / Lund University, Lund)

Protease anti-protease imbalance and small airways disease in COPD

Naoya Tanabe (Kyoto, Japan), Atsuyasu Sato, Tatsushi Mizutani, Yoko Hamakawa, Kiyoshi Uemasu, Susumu Sato, Shigeo Muro, Toyohiro Hirai

MMP-12 activates protease activated receptor (PAR)-1, upregulates placenta growth factor and leads to pulmonary emphysema

Hsin-Han Hou (Taipei, Taiwan), Hao-Chien Wang, Chong-Jen Yu

Supervising differentiation for tailoring the airway epithelial cell phenotype

Charlotte Vernisse (Montpellier, France), Noemie Drappier, Aurelie Fort, Lucie Knabe, Isabelle Vachier, Delphine Gras, Pascal Chanez, Engi Ahmed, Arnaud Bourdin

Change of secretory activity of goblet cells of bronchial epithelium in asthma patients in response to cold airway challenge

Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prihodko, Sergey V. Zinoviev, Artem V. Kolosov, Xiangdong Zhou, Qi Li, Elena V. Ushakova

Investigating epithelial plasticity following cigarette smoke exposure in primary human bronchial epithelium

(,), Si Chen, Jennifer Nguyen, Allison Keller, Vanshika Agarwal, Venkataramana Sidhaye

The effect of anticancer drugs on mucociliary clearance of bronchial ciliary cells in mice

Nobuyo Tamiya (Kyoto, Japan), Shigekuni Hosogi, Takashi Nakahari, Yoshinori Marunaka, Koichi Takayama

Cigarette smoke induces mitochondrial dysfunction via PKCd-p66Shc signaling pathway in human bronchial epithelial cells

Ming Zhang (, China), Ming Zhang, Yali Li, Jingjing Tang, Jie Zhang, Xia Yang, Hu Shan, Qiuhong Zhang

Iron Oxide and Titanium Dioxide Nanoparticles Reduce Alveolar Epithelial Cell Stiffening and Contraction Forces

Isaac Almendros (Barcelona, Spain), Vinicius R Oliveira, Juan J Uriarte, Walter Zin, Daniel Navajas, Ramon Farré

Junctional modulation by lipopolysaccharide on epithelial damage caused by diesel exhaust particles

Nahyun Kim (Seoul, Republic of Korea), Moo Kyun Park

Therapeutic effect of small molecule C in experimental COPD model

Jooyeon Lee (Chuncheon-si, Gangwon-do, Republic of Korea), Hanbyeol Lee, Se-Ran Yang

Creatine Supplementation Augments Chronic Allergic Airway Inflammation and Remodelling: from Mice to Human Evidence

Monique Garcia (São Paulo, Brazil), Alana Santos-Dias, Adilson Santos Andrade-Souza, Manoel Carneiro Oliveira-Junior, Sérgio César-Ferreira, Francine Maria Almeida, Nicole Cristine Rigonato-Oliveira, Ana Paula Ligeiro Oliveira, Timo Siepmann, Marco Idzko, Tobias Müller, Rodolfo Paula Vieira

ADAM17 protects mice against elastase-induced emphysema via inactivation of CD62L

Shoji Suzuki (Tokyo, Japan), Makoto Ishii, Takanori Asakura, Ho Namkoong, Satoshi Okamori, Kazuma Yagi, Hirofumi Kamata, Tatsuya Kusumoto, Shizuko Kagawa, Ahmed Hegab, Keisuke Horiuchi, Naoki Hasegawa, Tomoko Betsuyaku

Cigarette smoking induced elevated CXCL5 levels in BALF and plasma of patients with COPD

Jun CHEN (, China), Tao Wang, Luqi Dai, Fuqiang Wen

Anti-inflammatory effect of hypoxic signaling suppression in the severe COPD model.

Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Elena Lebedeva

Altered protein turnover signaling and myogenesis during impaired recovery of inflammation-induced muscle atrophy in emphysematous mice

Ramon C.J. Langen (Maastricht, Netherlands), Judith J.M. Ceelen, Anita E.M. Kneppers, Chiel C. De Theije, Stefan J. Van Hoof, Frank Verhaegen, Annemie M.W.J. Schols

Extracellular matrix glycosaminoglycans can predict severity and outcome in COPD

Eleni Papakonstantinou (Thessaloniki, Greece), Ioannis Bonovolias, George Karakioulakis, Michael Tamm, Renaud Louis, Branislava Milenkovic, Wim Boersma, Konstantinos Kostikas, Francesco Blassi, Joachim Aerts, Gernot Rohde, Alicia Lacoma, Antoni Torres, Tobias Welte, Daiana Stolz

Cigarette smoke induces overexpression of cathepsin S in active smokers with and without COPD

Mylène Wartenberg (Tours, France), Pierre-Marie Andrault, Andrea C. Schamberger, Thibault Chazeirat, Damien Sizaret, Justine Renault, Agnès Petit, Ahlame Saidi, Serge Guyetant, Yves Courty, Oliver Eickelberg, Gilles Lalmanach, Fabien Lecaille

AGER gene expression and alternative splicing in bronchial biopsies of smokers and non-smokers
Simon D. Pouwels (Groningen, Netherlands), Cornelis J. Vermeulen, Victor Guryev, Maarten Van Den Berge, Nick H.T. Ten Hacken, Alen Faiz

Impairment of lung organoid formation by cigarette smoke treatment of mesenchymal cells
Padmini P. S. J. Khedoe (Den Haag, Netherlands), John-Poul Ng-Blichfeldt, Annemarie Van Schadewijk, Stefan J. Marciniak, Melanie Koenigshoff, Reinoud Gosens, Jan Stolk, Pieter S. Hiemstra

12:50 - 14:40

Thematic poster: Triggers of acute lung injury: mechanical ventilation and oxygen levels

Disease(s) : Respiratory critical care Airway diseases Respiratory infections Pulmonary vascular diseases Sleep and breathing disorders Interstitial lung diseases

Method(s) : Physiology Respiratory intensive care Cell and molecular biology Imaging Transplantation General respiratory patient care

Chairs : Wolfgang M. Kübler (Berlin, Germany), Ahmed Kabil (Cairo, Egypt)

CXCL5-dependent neutrophil recruitment harms lung barrier function in acute lung injury
Geraldine Nouailles (Berlin, Germany), Sarah Berger, Sandra-Maria Wienhold, Cengiz Goekeri, Ulrike Behrendt, Holger Müller-Redetzky, Kristina Dietert, Corinne Gurtner, Achim Dieter Gruber, Martin Witzentrath

Local depletion of the recruitment of macrophages reduces acute lung injury in rats
Raquel Guíllamat-Prats (Barcelona, Spain), Marta Camprubi-Rimblas, Neus Tantinyà, Antonio Artigas

The protective effects of paricalcitol on renal ischemia reperfusion induced lung injury
Süreyya Yilmaz (Diyarbakir, Turkey), Zülfi Kar Yilmaz, Ali Kemal Kadiro Lu, Veysi Bahad R, Ibrahim Kaplan, Aydin Ketani, Engin Deniz Yilmaz, Kamil Yilmaz, Mehmet Emin Yilmaz

Effect of morphine sulphate on histopathologic changes in lung tissue after ischemia reperfusion injury
H d r Esme (Konya, Turkey), Nuri Duzgun, P nar Karaba l , Mehmet Sinan I yisoy, Melike Duran

Acute lung injury induced by intestinal ischemia and reperfusion is altered in obese female mice
Yanira Riffo-Vasquez (London, United Kingdom), Evelyn Fantozzi, Sara Rodrigues-Garbin, Fernanda Ricardo-Da Silva, Ricardo Oliveira-Filho, Domenico Spina, Wothan Tavares-De-Lima

Impact of systemic erythropoietin deficiency on the lung of mice exposed to hypoxia
Liasmine Haine (bobigny , France), Céline-Hivda Yegen, Dominique Marchant, Carole Planès, Nicolas Voituron*, Emilie Boncoeur*

Alveolar Tidal Flooding – a New Mechanism of Ventilator-Induced Lung Injury?
Jana Grune (Berlin, Germany), Wolfgang M Kuebler, Arata Tabuchi

Mechanical Preconditioning of Lung Mesenchymal Stem Cells Improves Ventilation Induced Lung Injury in Rats
Isaac Almendros (Barcelona, Spain), Paula N Nonaka, Bryan Falcones, Ramon Farré, Daniel Navajas

The morphological change in the diaphragm and soleus on rats after mechanical ventilation.
Xiaoping Zhu (Shanghai, China)

A major inflammatory cytokine TNF-α inhibits the ventilatory response to hypoxia
Anna Klinnikova (Saint-Petersburg, Russian Federation), Galina Danilova, Nina Alexandrova

The severity of ventilator-induced lung injury is regulated by the clock gene Bmal1 in myeloid cells
Matthias Felten (Berlin, Germany), Luiz Gustavo Teixeira-Alves, Eleftheria Letsiou, Holger Müller-Redetzky, Achim Kramer, Bert Maier , Martin Witzentrath

Effects of positive end-expiratory pressure-like cyclic stretching on the production of interleukin-6 protein in normal human pulmonary artery endothelial cells
Kozue Kobayashi (Sagamihara (Kanagawa prefecture), Japan), Hidenori Inaoka, Kenichi Kokubo, Hirosuke Kobayashi

Enhanced endothelial barrier protective and anti-inflammatory effects by synthetic iloprost-conjugated phospholipid.
Konstantin Birukov (Baltimore, United States of America), Olga Oskolkova, Yue Li, Chen-Ou Zhang, Grzegorz Gawlak, Yunbo Ke, Anna Birukova

Prognostic role of matrix metalloproteinase system / inhibitors in assessing the nature of reparative changes in infiltrative pulmonary tuberculosis (ITL).
Diljara Esmedyaeva (St. Petersburg, Russian Federation), Pavel Gavrilov, Nina Alexeeva, Marina Dyakova , Larisa Kiryukhina, Evgeniy Sokolovich

Changes in the enterobacterial flora and the hydrogen gas-producing ability of the enterobacterial flora in a mouse model of acute lung injury

Ryota Yoshizawa (Sagamihara, Japan), Shota Ito, Kozue Kobayashi, Kenichi Kokubo, Hirosuke Kobayashi

Morphological characteristics and mechanism of a rat model of reexpansion pulmonary edema

Shinichi Otani (Saitama, Japan), Takashi Yashiro, Shunsuke Endo

The effect of airway pressure release ventilation on circulation and respiration in post-operation of cardiac surgery patients.

Huiqing Ge (Hangzhou (Zhejiang), China)

Deciphering molecular mechanisms of cathepsin S resistance to major chemical oxidants of cigarette smoke

Mylène Wartenberg (Tours, France), Pierre-Marie Andrault, Ahlame Saidi, Lydie Nadal-Desbarats, Fabien Lecaille, Gilles Lalmanach

Ozone induced acute and chronic alterations in the lung in mice: a combined digital imaging and functional analysis.

Yvon Jule (Marseille, France), Chloé Michaudel, Louis Fauconnier, Dieudonné Togbe, Bernhard Riffel

Involvement of laminin beta-2 subunit in lung smooth muscle contraction and remodelling

Ivonne Pacheco-Alba (mexico city, Mexico), Blanca Bazán-Perkins, Patricia Ramos-Ramírez

12:50 - 14:40

Thematic poster: Cardiovascular and metabolic consequences of sleep-disordered breathing**Disease(s) :** Sleep and breathing disorders Airway diseases**Method(s) :** General respiratory patient care Epidemiology Endoscopy and interventional pulmonology**Chairs :** Simon Dominik Herkenrath (Köln, Germany), Esther Irene Schwarz (Zürich, Switzerland), Raluca Mihaela Bercea (Kolnes, Norway), Chair to be confirmed**The impact of obstructive sleep apnea in case of acute coronary syndrome**

George Calcaianu (Riedisheim, France), Edouard Virot, Didier Bresson, Mihaela Calcaianu, Carmen Iamandi, Didier Debieuvre

Systematic coronary risk evaluation among obstructive sleep apnea patients

Aleksander Kania (Kraków, Poland), Grazyna Bochenek, Pawel Nastalek, Natalia Celejewska-Wojcik, Jakub Pabjanczyk, Krzysztof Regulski, Andrzej Opalinski, Barbara Mrzyglod, Mirosław Glowacki, Krzysztof Sladek

Obstructive sleep apnoea and cardiovascular events in a Chinese cohort

PEIHANG XU (HongKong, Hong Kong), Dyt Fong, Ckm Hui, Mms Lui, Dcl Lam, Msm Ip

Diagnosis of left ventricular diastolic dysfunction among obstructive sleep apnea patients

Yong Mei Ching (Kuching (Sarawak), Malaysia), Diana Hui Ping Foo, Sze Shyang Kho, Swee Kim Chan, Alan Yean Yip Fong, Siew Teck Tie

Correlations between severity of obstructive sleep apnoea and systolic pulmonary artery pressure: preliminary results

Lorenzo Marra (bari (BA), Italy), Sebastiano Cicco, Giorgio Castellana, Valentina Di Lecce, Pierluigi Carratù, Giuseppe Ranieri, Angelo Vacca, Onofrio Resta

Inverse relationship between objective snoring time and the prevalence of plaque in women

Jinyoung Kim (Ansan, Republic of Korea), Allan Pack, Barbara Riegel, Seung Ku Lee, Chol Shin

Thrombolysis and evolution of sleep apnea in ischemic stroke

Jaana Huhtakangas (Oulu, Finland), Tarja Saaresranta, Juha Huhtakangas

Sleep disorder level in stroke patients and related factors

Taha Tahir Bekci (Konya, Turkey), selman parlak, Halim Y Lmaz, Lütfiye Parlak

The importance of RDW in obstructive sleep apnea syndrome.

Seda Beyhan Sagmen (Istanbul, Turkey), Elif Torun Parmaksiz, Nesrin Kiral, Banu Salepci, Sevda Comert

Nocturnal respiratory failure in moderate sleep apnoea as predictive factor of cardiovascular and metabolic comorbidities

Valentina Di Lecce (Modugno (BA), Italy), Lorenzo Marra, Giorgio Castellana, Pierluigi Carratù, Vincenzo Nicola Valerio, Carla Santomasi, Onofrio Resta

The efficiency of Epworth sleepiness scale and Berlin questionnaire for detecting Obstructive sleep apnea syndrome (OSA) in 100 Tunisian patients with non valvular atrial fibrillation (AF)

Amany Touil (Tunis, Tunisia), Jihen Ben Amar, Kais Sammoud, Manel Ben Halima, Sana Ouali, Mohamed Sami Mourali, Besma Dhahri, Haifa Zaibi, Hager Kchouk, Ines Laouini, Mohamed Ali Baccar, Saloua Azzabi, Hichem Aouina

Comparison of quality of life between cardiorespiratory failure patients with diaphragmatic or thoracic breathing predominance

Sonia Torres-Montiel (Ciudad de México, Mexico), Viridiana Peláez-Hernández, Arturo Orea-Tejeda, Mónica Rivera-Rodríguez, Francisco Figueroa-Herrera, Elisa Pérez-Cabañas, Bernardo Robles-Urbe, Dulce González-Islas, Abril Jiménez-Cepeda, Ana Grecia Navarrete-Peñaloza, Leslie Verdeja-Vendrell, Rocío Sánchez-Santillán, Guillermo Karey Pérez-Cortés, Luis Felipe Castillo-Aguilar

Effect of treatment of CSA/CSR on left ventricular ejection fraction in heart failure– a network meta-analysis

Esther Irene Schwarz (Zürich, Switzerland), Frank Scherff, Sarah R Haile, Malcolm Kohler

Recurrent heart rate rises, as a marker of sleep fragmentation, return more rapidly during CPAP withdrawal than oxygen desaturations

Saxon Pattenden (Oxford, United Kingdom), Christopher Turnbull, John Stradling

Hypoxia effect on the hepatic profile, glucose metabolism and cardiovascular risk.

Beatriz Aldave Orzaiz (, Spain), Pedro Landete Rodriguez, Carmen Acosta Gutierrez, Marta Hernandez Olivo, Maria Gonzalez González, Jose Manuel Muñoz Olmedo, Alfonsi Frieria Reyes, Ana Sanchez Azofra, Enrique Zamora Garcia, Agueda Gonzalez Rodriguez, Joan B Soriano, Carmelo Garcia Monzon, Julio Ancochea Bermudez

Ischemia modified albumin in Patients with Obstructive Sleep Apnea Syndrome

Mustafa Düger (Tekirda, Turkey), Ekrem Cengiz Seyhan, Mustafa Bolatkale, Zeynep Kansu, Engin Aynac

Apelin and ischemia modified albumin levels in heart failure patients with sleep disordered breathing

Nazan Bayram (Gaziantep, Turkey), Berna Ta kn Do an, Meral Uyar

The effect of CPAP treatment on Galectin-3 level in patients with severe obstructive sleep apnea

Iana Andreieva (Zaporizhia, Ukraine)

Effect of continuous positive airway pressure on lipid profile in patients with severe OSAS

Beatrix Simon (Budapest, Hungary), Bettina Gabor, Imre Barta, Csilla Paska, Robert Szvatek, Gyorgy Boszormenyi Nagy, Éva Vizi, Balazs Antus

The influence of long-term CPAP therapy on metabolic variables in obstructive sleep apnea patients

Wojciech Kuczy ski (ód, Poland), Aleksandra Stolarz, Piotr Bia asiewicz

12:50 - 14:40

Thematic poster: Sleep and breathing control: phenotypes

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Public health Respiratory intensive care

Chairs : Patrick B. Murphy (Oxtd (Surrey), United Kingdom), Richard Staats (Murches, Portugal), Chair to be confirmed

Does the seasons and PM10 levels affect to sleep?

Peri Meram Arbak (Düzce, Turkey), P nar Y ld z Gülhan, Ege Gulec Balbay, Mehmet Fatih Elveri li, Merve Erçelik

The impact of smoking status on obstructive sleep apnea (OSA) severity.

Piotr Bielicki (Warszawa, Poland), Anna Trojnar, Piotr Sobieraj

The prevalence of sleep-disordered breathing in the general population: results of the Asklepios Cohort

Fre Bauters (Ghent, Belgium), Marc Debuyzere, Julio Chirinos, Katrien Hertegonne, Ernst Rietzschel

Cross sectional study of the risk for OSAS in the general population of 20 Greek Islands and assessment of the OSAS awareness.

Sotirios Zargiannis (Larisa, Greece), Anastasia Adamou, Stefanos Giannopoulos, Christina Arvaniti, Ioannis Belios, Dimitra Dalampira, George Eleftheriadis, Thomai Zinoviou, Petros Kassas, George Vavougios, Chrissi Hatzoglou, Konstantinos Gourgoulanis

Sleep apnea in Tibetans and Han long-term high altitude residents

Lu Tan (Chengdu, China), Taomei Li, Michael Furian, Xiaofang Xue, Rong Ren, Junying Zhou, Ye Zhang, Jiaming He, Silvia Ulrich, Konrad E Bloch, Xiangdong Tang

Young obstructive sleep apnea patients: characteristics, adherence and hospitalizations tendencies

Daniel López-Padilla (Madrid, Spain), Elena R. Jimeno, Milagros Llanos Flores, Virginia Gallo González, Zichen Ji, Soledad López Martín, José Terán Tinedo, Elena Ojeda Castillejo, Luis Puente Maestu

Younger people have more severe obstructive sleep apnea syndrome.

Stefan A. Mihaicuta (Timisoara (Timis), Romania), Roxana Pleava, Kevin Muller, Alexandra Rus, Alexandru Ciotlos- Sinoi, Daniela Reisz, Rodica Dan

Sleep apnea-hypopnea syndrome in elderly obese patients : clinical and functional profiles

Donies Masmoudi (Sfax, Tunisia), Fidaa Alaya, Olfa Jallouli, Rim Kammoun, Asma Haddar, Ines Kammoun, Kaouthar Masmoudi

Defining the core components of a clinical review of people using continuous positive airway pressure (CPAP) therapy - an international e-Delphi study

Phyllis Murphie (Dumfries (Dumfries and Galloway), United Kingdom), Stuart Little, Brian Mckinstry, Hilary Pinnock

Obstructive sleep apnea and metabolic syndrome in 1,600 adult Japanese PSG cases.

Akemi Matsuo (Nagano, Japan), Kei Sonehara

The Relation Between Cardiovascular Diseases And Antropometric Measurements In Patients With Obstructive Sleep Apnea: A Single Center Study

Asiye Kanbay (Kayseri, Turkey), Halil Ibrahim Yakar, Sabahat Al r Ecdar, Erkan Ceylan

Impact of Ostructive Sleep Apnea, Age, Body mass index and Neck circumference on timing of Acute Coronary Syndrome onset

Muhammad Hanis Muhmad Hamidi (Batu Caves, Malaysia), Muhammad Hanis Muhmad Hamidi, Muhammad Amin Ibrahim, Johan Rizwal Ismail, Mohd Arif Mohd Zim, Ahmad Izuanuddin Ismail

Laryngeal obstruction in moderate and severe obstructive sleep apnea patients requested higher CPAP level during treatments

Yung-Lun Ni (Taichung, Taiwan), Yu-Lun Lo, Tsai-Yu Wang, Ting-Yu Lin

Rapid eye movement-related obstructive sleep apnea: a retrospective study

Catarina Marques (Gondomar, Portugal), Daniela Machado, Inês Franco, Inês Sanches, Regina Monteiro, Daniela Ferreira

A retrospective study about the causes of excessive daytime sleepiness except for sleep-disordered breathing in Japan.

HARUKA SUZUKI (Matsumoto, Japan), Keisaku Fujimoto

Factors affecting the quality of life in patients with obstructive sleep apnea syndrome

Maher Maoua (Sousse, Tunisia), Haifa Aroui, Houda Kalboussi, Maher Maoua, Imen Kacem, Sana Elguedri, Aicha Brahem, Olfa Elmaalel, Souheil Chatti, Halima Bensalem, Mohamed Benzarti, Najib Mrizek

Sleep patterns and predictors of poor sleep quality among Tunisian medical students (MS).

hadhemi rejeb (sousse, Tunisia), Mouna Ben Khelifa, Rania Kaddoussi, Imen Ben Saida, Aymen Najjar, Sana Aissa, Wafa Benzarti, Imen Gargouri, Ahmed Abdelghani, Abdelhamid Garrouche, Abdelaziz Hayouni, Mohamed Benzarti

Sleep quality and quality of life in physicians and nurses working at a Central Hospital

Joana Sofia Vicente De Carvalho (Bobadela LRS, Portugal), Inês Oliveira, Rita Rosa, Catarina Barata, Marta Fradinho, Luisa Oliveira, Fernando Nogueira

Night shifts: impact of a lifetime

Rita Coelho Soares Rosa (Lisboa, Portugal), Catarina Barata, Ines Oliveira, Joana Carvalho, Marta Fradinho, Luisa Oliveira, Fernando Nogueira

Effect of invasive mechanical ventilation (IMV) on sleep architecture in intensive care unit (ICU).

Brijesh Prajapat (Rohtak (Haryana), India), Dhruva Chaudhry, A S Sandhya

12:50 - 14:40

Thematic poster: Studies on the mechanisms underlying airway disease**Disease(s) :** Airway diseases Respiratory infections Thoracic oncology Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Cell and molecular biology General respiratory patient care Respiratory intensive care Physiology**Chairs :** Mazen Al-Alawi (Dublin 5, Ireland), Maarten van den Berge (Groningen, Netherlands), Tania Maes (Ghent, Belgium)**Reproducibility of COPD blood eosinophil counts**

Thomas Southworth (Manchester (Greater Manchester), United Kingdom), Gussie Beech, Umme Kolsum, Dave Singh

Blood eosinophils in COPD: relationship with CLCA1 and mucus production

Gabriella Long (Hayling Island (Hampshire), United Kingdom), Umme Kolsum, Andrew Higham, Sririam Sridhar, Tuyet-Hang Pham, Thomas Southworth, Paul Newbold, Dave Singh

Oropharyngeal and sputum microbiome dynamics with the same pattern following exacerbation of chronic obstructive pulmonary disease

Jin Su (Guangzhou (Guangdong), China), Haiyue Liu, Yanx Lin, Hongwei Zhou

The impact of smoking on airway microbiome and mycobiome of COPD/AECOPD patients

Jin Su (Guangzhou (Guangdong), China), Haiyue Liu, Yanx Lin, Rongchang Chen

The study of airway microbiome and mycobiome of COPD and AECOPD patients

Jin Su (Guangzhou (Guangdong), China), Haiyue Liu, Yanx Lin, Rongchang Chen

Association of ER22/23EK glucocorticoid receptor gene polymorphism with glucocorticoids dosage in COPD

Vera Djordjevic (Niš, Republic of Serbia), Milena Despotovic, Ivana Stankovic, Tatjana Jevtovic Stoimenov

Fevipirant inhibits prostaglandin D2 mediated activation of group 2 innate lymphoid cells (ILC2s)

Wentao Chen (Oxford (Oxfordshire), United Kingdom), Clare Hardman, Paul Batty, Jian Luo, Yanqiu Wu, Luzheng Xue, Graham Ogg, David A Sandham, Veit J Erpenbeck

Cholinergic muscarinic receptors and airway remodelling in severe asthma

Fabio L. M. Ricciardolo (Orbassano (TO), Italy), Anna Folino, Vitina Carriero, Michela Bullone, Michael Pieper

Longitudinal measurement of VOCs in breath demonstrates pharmacokinetic washout curve

Marc P. C. van der Schee (Amsterdam, Netherlands), Jasper Boschmans, Rob Smith, Russell Parris, Billy Boyle, Duncan Apthorp, Simon Kitchen

Investigating the safety of capsaicin cough challenge in severe asthma

Ran Wang (Manchester (Greater Manchester), United Kingdom), Ran Wang, Stephen Fowler, Robert Niven, Dorothy Ryan, Kimberley Holt, Joanne Mitchell, Rachel Dockry, Bashar Al-Sheklly, Imran Satia, Jacky Smith

Inhaled LPS challenge in healthy subjects: a dose escalation study

Alex Mulvanny (Manchester (Greater Manchester), United Kingdom), Natalie Jackson, Caroline Pattwell, Sophie Wolosianka, Thomas Southworth, Dave Singh

Rhinovirus Challenge in Asthmatics and Healthy Volunteers to Evaluate the Safety and Appropriate Dose of a GMP Human Rhinovirus 16 Preparation for Challenge Studies in Mild-Moderate Asthmatics taking ICS

Norbert Krug (Hannover, Germany), Jens M. Hohlfeld, Antonios Aliprantis, Leonidas Carayannopoulos, An Bautmans, Martine Robberechts, Inge De Lepeleire, Holger Ziehr, Dave Singh, Zuzana Diamant, Shan Yang, Neil Fitch, Bob Thornton, Peter J. Sterk, Rene Lutter And The U-Biopred Study Group

Utility of drug reaction assessments for inhaled therapies in patients with chronic suppurative lung diseases: results from 5 years of drug reaction assessments

Giulia Rinaldi (London, United Kingdom), Brittany Dennis, Georgie Houseley, Owais Shah, Michael Loebinger

The acute effect of inhaled salbutamol and ipratropium on aortic stiffness and pressure wave reflection

Hussein Al-Rubaye (London, United Kingdom), Kashyap Chauhan, Monia Yasmine Arzim, Valentina Abi Osman, Emma H Baker, Fok Henry, Ruickbie Sachelle, Daniel Burrage

Inhalations of Tranexamic Acid for hemoptysis: A randomized controlled trial

Ori Wand (Kfar Sava, Israel), Elad Guber, Alexander Guber, Gali Epstein-Shochet, Lilach Israeli-Shani, David Shitrit

Impact of glucagon-like peptide 1 receptor agonists on lung function of diabetic patients: a 52 weeks clinical trial

Paola Rogliani (Roma (RM), Italy), Luigino Calzetta, Angelo Coppola, Mario Cazzola, Davide Lauro, Maria Gabriella Matera

Novel treatment of eosinophilic bronchitis with allergic fungal sinusitis using mepolizumab- One year follow-up.

Yuichiro Takeshita (atami, Japan), Seiichi Nobuyama, Yukiko Kanetsuna, Tetsuo Satou

Long-acting bronchodilators and synergistic interaction: a challenge across the currently available LABA/LAMA combinations

Luigino Calzetta (Roma (RM), Italy), Paola Rogliani, Ermanno Puxeddu, Francesco Facciolo, Mario Cazzola, Maria Gabriella Matera

Characterisation of a chronic pre-clinical model of allergic asthma

Pauline Flajolet (London, United Kingdom), Jorge De Alba, Kristof Raemdonck, Maria G. Belvisi, Mark A. Birrell

12:50 - 14:40

Thematic poster: Insights in primary ciliary dyskinesia, asthma and lung function testing

Disease(s) : Respiratory infections Airway diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : Epidemiology Public health Cell and molecular biology Physiology General respiratory patient care

Chairs : Claudia E. Kuehni (Bern, Switzerland), Ela Erdem Eralp (Istanbul, Turkey), Jane Lucas (Southampton (Hampshire), United Kingdom), Bruna Rubbo (Southampton (Hampshire), United Kingdom)

Motile cilia structure and function in patients with mutations in the outer dynein arm heavy chain DNAH9

Amelia Shoemark (Dundee (Scotland), United Kingdom), Mahmoud R Fassad, Farheen Daudvohra, Tom Burgoyne, Robert A Hirst, Joe Hayes, Mellisa Dixon, Andrew Rogers, Micheal Loebinger, Christopher O'Callaghan, Claire Hogg, Hannah Mitchison

Does nasal rinsing reduce the need for repeat nasal brushing biopsies in a primary ciliary dyskinesia (PCD) diagnostic service? A pilot study.

Amanda Harris (Southampton (Hampshire), United Kingdom), Victoria Keenan, Amanda Friend, Hannah Wilkins, Bruna Rubbo, Claire Jackson, Janice Coles, James Thompson, Samantha Packham, Emma Macleod, Esther Nyimbili, Woolf Walker, Jane Lucas, Hazel Evans

Comparison of diagnostic accuracy between the chemiluminescence and electrochemical methods for nasal nitric oxide measurements in PCD

Panayiotis Kouis (NICOSIA, Cyprus), Grigorios Chatziparasidis, Barbara Boutopoulou, Heymut Omran, Maria Kakkoura, Stefania I. Papatheodorou, Kyriacos Kyriacou, Marios Papadopoulos, Vasilis Grammeniatas, Konstantinos Douros, Kostas Priftis, Panayiotis K. Yiallourous

Characterising nutrition status in a regional cohort of children with primary ciliary dyskinesia

Woolf Walker (Southampton (Hampshire), United Kingdom), Luise V Marino, Amanda Harris, Carolyn Johnstone, Amanda Friend, Victoria Keenan, Hannah Wilkins, Jane Lucas, Philip Calder

Comparison of conventional chest physiotherapy and vibratory positive pressure treatment system method in diagnosis of primary ciliary dyskinesia

Emine Atag (Istanbul, Turkey), Ibrahim Bingöl, Pinar Ergenekon, Nilay Bas Ikizoglu, Yasemin Gokdemir, Ela Erdem Eralp, Ayca Evkaya, Kardelen Gencer, Evrim Karadag Saygi, Bulent Karadag

The effect of conventional chest physiotherapy and vibratory positive pressure therapy system on lung clearance index and spirometry in patients with primary ciliary dyskinesia

Emine Atag (Istanbul, Turkey), Pinar Ergenekon, Nilay Bas Ikizoglu, Ibrahim Bingöl, Yasemin Gokdemir, Ela Erdem Eralp, Ayca Evkaya, Kardelen Gencer, Evrim Karadag Saygi, Bulent Karadag

Evaluation of quality of life in patients with primary ciliary dyskinesia

Pinar Ergenekon (Istanbul, Turkey), Ibrahim Bingöl, Emine Atag, Nilay Bas Ikizoglu, Yasemin Gokdemir, Ela Erdem Eralp, Bulent Karadag

Neuropsychological and Quality of life (QoL) assessment in children with severe asthma (SA) and moderate persistent asthma (MPA): a case-control study

Laura Montalbano (Palermo (PA), Italy), Giovanna Cilluffo, Silvia Montella, Stefania La Grutta, Simona Barni, Sara Bozzetto, Valeria Caldarelli, Antonio Di Marco, Emanuela Di Palmo, Grazia Fenu, Vera Galli, Michele Ghezzi, Lucia Leonardi, Amelia Licari, Violetta Mastroianni, Mara Lelli, Maria Luisa Villani, Alessandro Volpini, Franca Rusconi

Predictors of pulmonary function test (Spirometry) values for Pakistani children, aged 5-14 years

Mustafa Ghulam (Multan, Pakistan), Muhammad Aslam

Lung function in children with congenital heart disease

Sophie Guerin (Lausanne, Switzerland), Nathalie Bertille, Diala Khraiche, Damien Bonnet, Francois Goffinet, Nathalie Lelong, Babak Khoshnood, Christophe Delacourt

Infant lung function in relation to air pollution exposure in Stockholm, Sweden - results from the EMIL-cohort

Björn Lundberg (Skärholmen, Sweden), Erik Melén, Olena Gruziova, Göran Pershagen, Jenny Hallberg

Association between asthma and lung function in adolescents born very preterm: results of the EPIPAGE cohort study.

Alice Hadchouel-Duvergé (PARIS, France), Jessica Rousseau, Jean-Christophe Roze, Catherine Arnaud, Adèle Bellino, Stéphane Marret, Pierre-Yves Ancel, Christophe Delacourt

Exercise induced dyspnea among adolescents – prevalence and incidence, a five-year follow-up

Henrik Johansson (Uppsala, Sweden), Margareta Emtner, Christer Janson, Andrei Malinowski, Katarina Norlander, Leif Nordang

Challenges facing parents/caregivers of children with interstitial lung disease (chILD): international survey

Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom), Steve Cunningham, Nicolaus Schwerk, Carlee Gilbert, Pippa Powell, Mareike Schamberger

Snoring in schoolchildren: prevalence and risk factors

Rebeca Mozún Torrico (Bern, Switzerland), Myrofora Goutaki, Cristina Ardura-Garcia, Florian Singer, Philipp Latzin, Alexander Moeller, Claudia E. Kuehni

Self-reported and medical chart histories of Australian Aboriginal and Torres Strait Islander (Indigenous) children and young adults

Tamara Blake (South Brisbane, Australia), Mark Chatfield, Anne Chang, Helen Petsky, Margaret McElrea

Therapeutic educational pathway effect on asthma control: a pilot study

Laura Montalbano (Palermo (PA), Italy), Giovanna Cilluffo, Velia Malizia, Salvatore Fasola, Manuel Gentile, Marco Arrigo, Dario La Guardia, Mario Allegra, Nicola Murgia, Simona Pichini, Rosanna Mancini, Maria Concetta Rotolo, Stefania La Grutta

Combining supervised and unsupervised models to characterize asthma phenotypes in children

Bronwyn Brew (Stockholm, Sweden), Flaminia Chiesa, Cecilia Lundholm, Catarina Almqvist

12:50 - 14:40

Thematic poster: Epidemiology of asthma, COPD and factors that associate with lung function

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Epidemiology Public health General respiratory patient care

Chairs : Tomas Mikal Lind Eagan (Bergen, Norway), Deborah Jarvis (London, United Kingdom), Linnea Hedman (Luleå, Sweden), Simone Accordini (Verona (VR), Italy)

Montelukast and the risk of major adverse cardiovascular events – a Danish population-based case-control study

Daniel Pilsgaard Henriksen (Odense C, Denmark), Jesper Rømhild Davidsen, Christian B. Laursen

Changes in asthma drug use in France between 2006 and 2015: a claims data study

Manon Belhassen (LYON, France), Maeva Nolin, Marine Ginoux, Eric Van Ganse

An overview of asthma exacerbation hospital management in Portugal

Ligia Helena Pires Vicente (Portimão, Portugal), Ana Arrobas, João A Fonseca, Teresa Bandeira, Carla Sofia Loureiro, Claudia Catarina Loureiro, Filipa Todo Bom, Nelia Lima, Carlos Robalo Cordeiro

Adherence to inhaled corticosteroids before and after an asthma-related hospitalisation: distinct trajectories

Manon Belhassen (LYON, France), Maeva Nolin, Marine Ginoux, Eric Van Ganse

The simple 10-item PARC tool predicts childhood asthma in an external validation cohort

Eva Sophie Lunde Pedersen (Bern, Switzerland), Ben D Spycher, Carmen De Jong, Florian Halbeisen, Alban Ramette, Erol A Gaillard, A John Henderson, Raquel Granell, Claudia E Kuehni

Association of household environmental factors and respiratory symptoms in children: a multicentric Italian study

Marzia Simoni (Pisa (PI), Italy), Sandra Baldacci, Mario Canciani, Carlo Pini, Luigia Maria Brunetti, Luciana Indinnimeo, Paolo Carrer, Annibale Biggeri, Piersante Sestini, Sara Maio, Fabio Cibella, Gaspare Drago, Silvia Ruggieri, Giovanni Viegi

Use of inhaled corticosteroids and the risk of osteoporosis: an international cohort study

Amelia Grosso (Pavia (PV), Italy), Lucia Cazzoletti, Federica Albicini, Erica Gini, Elisabetta Zanolin, Vanessa Ronzoni, Valentina Conio, Rita Di Domenica, Angelo Guido Corsico, Debbie Jarvis, Christer Janson, Isa Cerveri

Risk factors of abnormal lung function in children and adolescents – data from the LEAD (Lung, hEart, social, boDY) Study

Alina Offenheimer (Wien, Austria), Marie-Kathrin Breyer, Matthias Urban, Sylvia Hartl, Otto Christian Burghuber, Andrea Schrott, Robab Breyer-Kohansal

Mediation analysis of CRP on the association of physical activity with FEV1 and FVC: the ECRHS study.

Elaine Fuertes (Barcelona, Spain), Anne-Elie Carsin, Vanessa Garcia Larsen, Stefano Guerra, Isabelle Pin, Benedicte Leynaert, Simone Accordini, Jesus Martinez-Moratalla, Josep M Anto, Isabel Urrutia, Audrey Le Gouellec, Joachim Heinrich, Thorarinn Gislason, Rain Jõgi, Christer Janson, Debbie Jarvis, Judith Garcia-Aymerich

Mortality rates of COPD Patients in UK Electronic Health Records (Clinical Practice Research Datalink)

Alicia Gayle (London, United Kingdom), Eleanor Axson, Chloe Bloom, Vidya Navaratnam, Jennifer Quint

Factors associated with recurrent admissions for bronchiectasis exacerbation in Asians

Isaac Fong (Singapore, Singapore), Anthony Yui, Sandra Hui, Teck Boon Low

Exacerbation frequency and eosinophil levels for GOLD C and D COPD patients currently prescribed multiple inhaler triple therapy (MITT)

Victoria Benson (Uxbridge (Middlesex), United Kingdom), James Siddall, Mark Small, Hana Muellerova

Prevalence of bronchial asthma and COPD in Baku

Gulzar Aliyeva (Baku, Azerbaijan), Irada Akhundova, Eljan Mammadbayov, Ilgar Mustafayev, Janina Makarova, Averyan Vasylyev, Kamalya Suleymanova

Different relation between exhaled nitric oxide and lung function with regard to current smoking

Elisabet Nerpin (Falun, Sweden), Debbie Jarvis, Mario Olivieri, Thorarinn Gislason, Anna-Carin Olin, Christer Janson, Andrei Malinowski

Endothelial dysfunction is associated with impaired lung function in two independent community cohorts

Andreas Rydell (FALUN, Sweden), Christer Janson, Karin Lisspers, Björn Ståhlberg, Christoph Nowak, Axel Carlsson, Tobias Feldreich, David Igman, Lars Lind, Johan Årnlöv

What's in a postcode? Socioeconomic deprivation in the primary care 2015-17 COPD audit

Philip Stone (London, United Kingdom), Viktoria Mcmillan, Juliana Holzhauer-Barrie, Noel Baxter, C Michael Roberts, Jennifer Quint

Respiratory diseases admissions due to the smog episode in Warsaw in January 2017

Artur Badyda (Warszawa, Poland), Piotr D browiecki, Piotr Oskar Czechowski, Tomasz Owczarek, Andrzej Chcia owski

Respiratory disease phenotypes in a general population sample: latent transition analysis

Sara Maio (Pisa (PI), Italy), Salvatore Fasola, Sandra Baldacci, Laura Carrozzi, Francesco Pistelli, Marzia Simoni, Stefania La Grutta, Vito Muggeo, Giovanni Viegi

12:50 - 14:40

Thematic poster: Primary care management of asthma

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Epidemiology Public health

Chairs : Corina de Jong (Groningen, Netherlands), Janwillem W. H. Kocks (Groningen, Netherlands), Chris Newby (Leicester (Leicestershire), United Kingdom), Björn Ståhlberg (Uppsala, Sweden)

The impact of different reference standards when estimating the accuracy of tests for diagnosing asthma

Luke Daines (Edinburgh (Edinburgh), United Kingdom), Hilary Pinnock, Steff Lewis, Aziz Sheikh, Antonius Schneider

Contribution of four pulmonary function tests to diagnosis in the primary care.

Maria Gabrovskaa (Baal, Belgium), Henry-Alexandre Bourgeno, Vincent Ninane

Capabilities of electronic monitoring of auscultatory phenomena in patients with broncho-pulmonary pathology

Elena Binetskaya, Elena Lapteva, Irina Kovalenko, Anatoly Laptev, Elena Katibnikova, Mansur Elzbur, Alexey Karankevich, Vitali Dubinetski, Olga Kharevich

Establishing an asthma cutpoint for the 'Control of allergic rhinitis and asthma test' using an international survey

Corina de Jong (Groningen, Netherlands), Bertine Flokstra - De Blok, Hendrik Jan Baretta, Ellen Van Heijst, Thys Van Der Molen, Ioanna Tsiligianni, Joao Fonseca, Janwillem Kocks

Wide variation in practices for measuring respiratory rate in children

Will Daw (Sheffield (South Yorkshire), United Kingdom), Ruth Kingshott, Heather Elphick

The evaluation of asthma control by pulmonologists: Preliminary results

Mehmet Atilla Uysal (Istanbul, Turkey), Sacide Rana Isik, Dilsad Mungan, Elif Yelda Niksarlioglu, Gulfem Elif Celik, Ali Fuat Kalyoncu, Carole Phan (phan.carole@gmail.com / INSERM UMR_S 999, Université Paris-Sud, LE PLESSIS-ROBINSON), Scott Collum (scott.d.collum@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Ning-Yuan Chen (ning-yuan.chen@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Jonathan Davies (jldavies@texaschildrens.org / Department of Pediatrics, Baylor College of Medicine, Houston), Ashrith Guha (gashrith@houstonmethodist.org / DeBakey Heart & Vascular Center, Houston Methodist Hospital, Houston), Holger Eltzschig (holger.eltzschig@uth.tmc.edu / Department of Anaesthesiology, McGovern Medical School, UTHealth, Houston), Michael Blackburn (michael.r.blackburn@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston), Christophe Guignabert (guignabert@gmail.com / INSERM UMR_S 999, Université Paris-Sud, Houston), Harry Karmouty-Quintana (harry.karmouty@uth.tmc.edu / Department of Biochemistry and Molecular Biology, McGovern Medical School, UTHealth, Houston)

Towards a new inhaler instruction method based on based findings from the Inhaler Research Workgroup study

Esther I. Metting (Groningen, Netherlands), Paul Hagedoorn, Siebrig Schokker, Ellen Van Heijst, Titia Klemmeier, Marion Steurs, Rozemarijn Ettema, Kim Burger, Miguel Roman Rodriguez, Ioanna Tsiligianni, Thys Van Der Molen, Janwillem Kocks

Primary care prescribing habits for asthma in England 2007–15: are we following the guidelines?

John D Blakey (Liverpool (Merseyside), United Kingdom), Mariel G Slater, Alicia Gayle, Michael Baldwin

A review of asthma care in 50 general practices in Bedfordshire, United Kingdom.

Mark L. Levy (London, United Kingdom), Fiona Garnett, Adedayo Kuku, Inna Pertsovskaya, Eddie Mcknight, John Haughney

Management of children and young people (CYP) in London with asthma: a clinical audit report.

Mark L. Levy (London, United Kingdom), Angela Ward, Sara Nelson

Asthma treatment in real life

Esmé J. Baan (Rotterdam, Netherlands), Leila Karimi, Astrid Heeremans, Guy G. Brusselle, Miriam Sturkenboom, Hettie M. Janssens, Lies Lahousse, Katia M Verhamme

Step-Down of ICS in stable asthmatics in primary care: An observational study

Kevin Gruffydd-Jones (Wokingham (Berkshire), United Kingdom)

Eligibility for referral to specialist asthma clinics in England: a national database study

John D Blakey (Liverpool (Merseyside), United Kingdom), Alicia Gayle, Mariel G Slater, Michael Baldwin

Do Malaysian asthma patients use asthma action plan? A cross sectional study in Malaysian primary care setting.

Hani Salim (Selangor, Malaysia), Ping Yein Lee, Sazlina Shariff Ghazali, Ai Theng Cheong, Hilary Pinnock, Noor Harzana Harrun, Salbiah Mohamed Isa, Junita Aris, Vengketeswara Rao Seetharaman, Salmah Nordin, Maimunah Mahmud, Yeow Siong Lee

Exploring supported self-management practices of healthcare professionals for South Asian patients with asthma

Salina Ahmed (London, United Kingdom), Hilary Pinnock, Stephanie Taylor, Liz Steed

Perceptions among primary care staff towards financial incentives to promote implementation of asthma self-management: a qualitative study in Northern Ireland

Tracy Jackson (Edinburgh (Edinburgh), United Kingdom), Marilyn Kendall, Liam Heaney, Mike Shields, Hilary Pinnock

Paediatric asthma communication and education training for pharmacy students

Amanda Elaro (Sydney (NSW), Australia), Smita Shah, Bandana Saini, Carol Armour, Sinthia Bosnic-Anticevich

Critical implementation factors to lung-interventions in low-resource-settings – a FRESH AIR systematic review

Evelyn Brakema (Amsterdam, Netherlands), Debbie Vermond, Rianne Van Der Kleij, Asel Arykbaeva, Marise Kasteleyn, Mattijs Numans, Niels Chavannes

The silent socioeconomic impact of COPD/asthma in Africa, Asia and Europe – a FRESH AIR study

Evelyn Brakema (Amsterdam, Netherlands), Aizhamal Tabyshova, Rianne Van Der Kleij, Talant Sooronbaev, Christos Lionis, Marilena Anastasaki, Pham Le An, Nguyen Than Luan, Bruce Kirenga, Simon Walusimbi, Maarten Postma, Niels Chavannes, Job Van Boven

The impact of asthma and/or COPD on work absence

Job F.M. van Boven (Groningen, Netherlands), Boudewijn Dierick, Bertine Flokstra-De Blok, Thys Van Der Molen, Nuria Toledo-Pons, Miguel Roman-Rodriguez, Borja G. Cosio, Joan B. Soriano, Janwillem W.H. Kocks

12:50 - 14:40

Thematic poster: Patient-reported outcomes and scores in COPD

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care Public health Epidemiology

Chairs : Annemie Schols (Maastricht, Netherlands), Wassim Labaki (Ann Arbor, United States of America), Ahmed Ben Saad (Monastir, Tunisia)

Comparison of CAT and mMRC in terms of assessing symptom status in stable COPD patients

Esra Ertan Yazar (STANBUL, Turkey), Elif Yelda Niksarlıoğlu, Burcu Yigitbas, Tugba Mandal

COPD Assessment test (CAT) Score as a predictor of severe exacerbations in veterans

Andrea Guerrero Cignarella (Miami, United States of America), Parvaneh Baghaei Shiva, Katherine Tovar, Gisel Urdaneta, Isabel Vital, Gregory Holt, Mehdi Mirsaeidi, Rafael Calderon-Candelario, Michael A Campos

The Capacity of Daily Living during the Morning (CDLM) questionnaire: Evaluating the impact of morning symptoms in COPD

Alexa Nuñez (Barcelona, Spain), Miriam Barrecheguren, Myriam Calle, Ricard Casamor, Marc Miravittles, Cristina Esquinas

Effect of treatment on morning symptoms in COPD. Correlation between doctors and patients in the evaluation of symptoms. SINCON Study

Adolfo Balóira Villar (Pontevedra, Spain), Juan Antonio Trigueros, Jose Miguel Rodriguez Gozález-Moro, Estefanía Sanjuan, Ricard Casamor

Qualitative research evaluating patient preferences for a new COPD treatment

Melanie Schroeder (Middlesex, United Kingdom), Lina Eliasson, Katie Hall, Jake Macey, Sophia Bracey, Paul W Jones, Afisi S Ismaila

Differences in medication adherence in chronic obstructive pulmonary disease associated with beliefs on medications

Huseyin Arikan, Dildar Duman, Zeynep Uslu, Derya Kocakaya, Emel Eryüksel

Patients' adherence to COPD therapy

Ilaria Aredano (Parma (PR), Italy), Francesca De Blasio, Davide Dassetto, Michela Bellocchia, Caterina Bucca

Relationships among depression, pain, patient activation, and fatigue in patients with COPD

Jungeun Lee (Kingston, United States of America), Huong Nguyen, Vincent Fan

Chronic pain in patients with chronic obstructive pulmonary disease

Feki Walid (Sfax, Tunisia), Chaabouni Malek, Ketata Wajdi, Moussa Nadia, Bahloul Najla, Msaad Sameh, Kotti Amina, Ayadi Hajer, Rekik Karim, Yanguil Ilhem, Kammoun Samy

Assessing activity-related cognitions in chronic obstructive pulmonary disease (COPD): validation of the activity cognitions instrument (ACI)

Milou Looijmans (Groesbeek, Netherlands), Inge J Van Nunen, Mariska P M Klaassen, Jeannette B Peters, Jan H Vercoulen

French translation and validation of the C- and D-PPAC PROactive questionnaires to measure physical activity in patients with chronic obstructive pulmonary disease.

Trija Vaidya (NANTES, France), Véronique Thomas-Ollivier, François Hug, Alain Bernady, Frédéric Costes, Hakima Ouksef, Claire De Bisschop, Arnaud Chambellan

Patient And Carer Perceptions Regarding The Advanced Lung Disease Service – A New Model Of Integrated Respiratory And Palliative Care

Thomas Moran (Melbourne (VIC), Australia), Michelle Thompson, Brian Le, Louis Irving, Natasha Smallwood

Evaluation of COPD Patient's Relatives Assessment of Disease Awareness, Load of Care Giving and Loss of Workforce: Turkish Thoracic Society COPD Working Group.

Nurhan Köktürk (Ankara, Turkey), Ay e Baha, Elif Yildirim, Ipek Ozmen, Alev Gurgun, Fusun Topcu, Eylem Akpınar, Funda Elmas, Hatice Sen, Nalan Ogan, Yesim Onder, Tamer Dogan, Mehmet Polatli, Zuleyha Bingol, Turhan Ece, Eda Akguney, Metin Akgun, Eylem Ozgur, Sibel Nayci, Irem Serifoglu, Can Ates

Correlation of sleep quality and psychological well-being with BODE index and quality of life in stable COPD patients

Krishna K Sharma (Jaipur (Rajasthan), India), Titiksha Choyal

The impact of low forced vital capacity on comorbidities and behavior restriction in chronic obstructive pulmonary disease

Noeul Kang (Seoul, Republic of Korea), Sun Hye Shin, Sunhye Gu, Seong Yong Lim, Juhee Cho, Hyun Il Gil, Hye Yun Park, Hyun Lee

Differences in psychological stage and functional capacity between caregivers of patients with COPD and heart failure in accordance with their levels of perceived self-efficacy

Monica Rivera-Rodriguez (Mexico, Mexico), Viridiana Pelaez-Hernandez, Arturo Orea-Tejeda, Alejandro Figueroa-Herrera, Dulce Gonzalez-Islas, Carmen Olivo-Villalobos, Clio Chavez-Mendez, Giselle Davila-Said, Sonia Torres-Montiel, Luis Felipe Castillo-Aguilar, Karla Balderas-Muñoz, Lourdes Aguilera-Carrillo, Rocio Sanchez-Santillan, Elisa Perez-Cabañas

Drivers of respiratory symptoms in COPD patients

Kate Johnson (Vancouver (BC), Canada), Abdollah Safari, Wan Tan, Jean Bourbeau, Mohsen Sadatsafavi

PAIN AND FRAILTY IN COPD PATIENTS: RELATIONSHIP AND IMPACT ON WELLBEING AND HEALTH STATUS

Sabina Antoniu (Iasi (Iasi), Romania), Anca Apostol, Robbert Gobbens

Physicians' perceptions on gender differences in the diagnosis and management of COPD

Chantal Raherison-Semjen (Pessac, France), Karen Mezzi, Kostas Kostikas, Alexander Mackay, Dave Singh

Impact of a educational program in the use of inhalers in patients derived to a respiratory rehabilitation unit

Jose Andres Tenes Mayen (Madrid, Spain), Pablo Mariscal Aguilar, Teresa Torralba, Rodolfo Álvarez Sala-Walther, Mercedes Marin, Carlos Carpio

12:50 - 14:40

Thematic poster: Back to basics and translational research in idiopathic interstitial pneumonias**Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Physiology Cell and molecular biology General respiratory patient care Imaging Endoscopy and interventional pulmonology**Chairs :** Manuela Funke-Chambour (Bern, Switzerland), Phil Molyneaux (London, United Kingdom), Hiroyuki Ito (Nagasaki, Japan), Chair to be confirmed**Nigella sativa fixed oil, attenuates bleomycin-induced pulmonary fibrosis in a rat model**

Anouar Abidi (Tunis, Tunisia), Sana Bahri, Saloua Ben Khamsa, Alexandre Legrand

The activity of nintedanib in a mouse model of severe allergic lung remodeling

Lutz Wollin (Biberach an der Riß, Germany), Christopher Tomsic, Klaus Erb

Role of MUC4 in idiopathic pulmonary fibrosis

Beatriz Ballester (Burjassot (Valencia), Spain), Javier Milara, Ricardo Guijarro, Esteban Morcillo, Julio Cortijo

Implication of FGFR4 and its ligands in Idiopathic Pulmonary Fibrosis

Aurélien Justet (Paris, France), Simon Demagny, Tiara Boghanim, Madeleine Jaillet, Emmeline Marchal-Duval, Aurélie Cazes, Pierre Mordant, Yves Castier, Arnaud Mailleux, Bruno Crestani

M-BAR promotes pulmonary fibroblast proliferation through TGF-β1/AKT/ERK1/2 signaling pathway

Xueqing Liu (Shanghai, China), Handong Jiang

Probe-based confocal laser-endomicroscopy imaging of differential auto-fluorescence of alveolar macrophages in diffuse lung diseases

Kazuyoshi Imaizumi (Toyoake, Japan), Takuya Okamura, Tomoyuki Minezawa, Yusuke Gotoh, Tomoya Horiguchi, Yuki Mieno, Sakurako Uozu, Masashi Kondo

The effects of glycyrrhiza- glabra on experimental pulmonary fibrosis

Mitra Samareh Fekri (Kerman, Islamic Republic of Iran), Hamid Reza Poursalehi, Ali Mandegari, Fariba Sharififar, Rahil Mahmodi

Assessment of collagen in human idiopathic pulmonary fibrosis using second harmonics on Genesis 200

Simon Royce (Clayton, Australia), Cem Erdem, Andre Tan, Jade Jaffar, Glen Westall, Jane Bourke, Chrisan Samuel

Investigating effects of nintedanib on biomarkers of ECM turnover in patients with IPF: the INMARK study

Toby Maher (St. Albans (Hertfordshire), United Kingdom), Susanne Stowasser, Yasuhiko Nishioka, Eric S White, Vincent Cottin, Imre Noth, Moises Selman, Daniel Wachtlin, Claudia Diefenbach, R Gisli Jenkins

Changes in neutrophil-lymphocyte and platelet-lymphocyte ratios and clinical outcomes in idiopathic pulmonary fibrosis

Sangeeta Bhorade (Chicago, United States of America), Elizabeth Morgenthien, Jessica Castle, Susan L. Limb, Jayesh Mehta

Salvianolate can attenuate bleomycin-induced pulmonary epithelial-mesenchymal transition

fangfang wang (Qingdao, China), Handong Jiang

Mucus matters: Ferrets demonstrate sustained fibrosis and mucociliary decrement following bleomycin-induced pulmonary fibrosis

Jacelyn Peabody (Birmingham, United States of America), Scott Phillips, Vivian Lin, Jeremie Lever, Renjay Shei, Dezhi Wang, Corinne Hennessy, Evgenia Dobrinskikh, Trenton Schoebe, Taylor Bono, Denise Stanford, Victor Thannickal, John Engelhardt, Guillermo Tearney, David Schwartz, Steven Rowe

Calgranulin B/S100A9 and KL-6 in bronchoalveolar lavage of patients with IPF and NSIP.

David Bennett (Siena (SI), Italy), Giuseppe Cillis, Laura Bergantini, Martina Salvini, Paolo Cameli, Antonella Fossi, Rosa Metella Refini, Paola Rottoli

ER stress is involved in alveolar epithelial cell dysfunction in hypoxia

(), Abdoulaye Soumare, Dominique Marchant, Thomas Gille, Jean-François Bernaudin, Carole Planès, Emilie Boncoeur

Sustainability of use of an electronic health journal (patientMpower) for pulmonary fibrosis in a US patient support group (PF Warriors) over 180 days.

Colin Edwards (Dublin, Ireland), Bill Vick, Eamonn Costello

Assessment of blood biomarkers in patients with IPF under antifibrotic therapy

Peter Wolf (Heddesheim, Germany), Marc Schneider, Thomas Muley, Michael Meister, Felix Herth, Michael Kreuter, Nicolas Kahn

TNF-α and IL-10 control macrophage expression of CXCL13, a prognostic biomarker of idiopathic pulmonary fibrosis

Nessrine Bellamri (Rennes, France), Chloé Rousseau, Claudie Morzadec, Marianne Le Garrec, Baptiste Arnouat, Audrey Joannes, Bertrand De La Latour, Francisco Llamas-Gutierrez, Laurent VERNHET, Stéphane Jouneau

Development of assays to evaluate inflammasomes' activity in the peripheral blood and in alveolar macrophages in fibrotic lung diseases

Athina Trachalaki (Iraklio, Greece), Eliza Tsitoura, Eirini Vasarmidi, Eleni Bibaki, George Papastratigakis, George Margaritopoulos, Nikolaos Tzanakis, Katerina Antoniou

Definition of trypsin-like enzymes activity as the marker of severity of idiopathic pulmonary fibrosis

Oksana Karasyova (Dnepr, Ukraine), Viktoriya Rodionova

IPF exacerbations: Role of Respiratory tract infections

Shoaib Malik (Wigan (Lancashire), United Kingdom), Namrata Kewalramani, Abdul Ashish

12:50 - 14:40

Thematic poster: Management of idiopathic interstitial pneumonias: established and new treatments

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Epidemiology Endoscopy and interventional pulmonology Physiology Public health Respiratory intensive care

Chairs : Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Claudia Valenzuela (Alcobendas (Madrid), Spain), António Morais (Maia, Portugal), Shinichiro Ohshimo (Hiroshima, Japan)

A self-reported qualitative assessment of yoga exercises delivered to patients with IPF and their caregivers.

Nicola Cassidy (Dublin 5, Ireland), Michael Darragh Macauley, Jim J Egan

Patterns of discontinuation in patients with IPF treated with open-label nintedanib: data from INPULSIS-ON

Ulrich Costabel (Essen, Germany), Michael Kreuter, Jin Woo Song, John T Huggins, Benoit Wallaert, Wibke Stansen, Manuel Quaresma, Bruno Crestani

Factors influencing Idiopathic Pulmonary Fibrosis (IPF) anti-fibrotic decisions in a single UK centre; patient and physician perspectives

Alexis Papadopoulos (Manchester, United Kingdom), Savvas Zannetos, Rachel Hoyles

Investigation burden in patients with fibrotic interstitial lung disease in their terminal admission

Hui Guo (Melbourne (VIC), Australia), Jennifer Mann, Natasha Smallwood, Nicole Goh

Three-centre study (DZL) to investigate the effects of three-month whole-body vibration training on muscle strength, lung function, health-related quality of life and inflammation markers in patients with pulmonary fibrosis.

Tobias Boeselt (Marburg, Germany), Andreas Rembert Koczulla, Janina Koelpin, Christoph Nell, Fabian Kaufhold, Claus Vogelmeier, Felix Herth, Peter Alter, Martina Veith, Timm Greulich, Christian Kaehler, Michael Kreuter

Lessons learned when recruiting for an early Idiopathic Pulmonary Fibrosis (IPF) palliative care intervention

Kathleen Lindell (Pittsburgh, United States of America), Mehdi Nouraie, Sara Klein, Melinda Klesen, Kevin Gibson, Daniel Kass, Margaret Rosenzweig

Introducing a new formulation of pirfenidone to reduce tablet burden for the IPF patient: Is it tolerable? Is it easy to take? What do our patients think?

Helen Morris (Manchester (Greater Manchester), United Kingdom), Tracey Marshall, Katie Zakis, Theresa Garfoot, Conal Hayton, Pilar Rivera Ortega, Colm Leonard, John Blaikley, Nazia Chaudhuri

Team support with pharmacists improved tolerability of antifibrotic agents for pulmonary fibrosis.

Mariko Kogo (Hyogo prefecture, Japan), Yukari Satsuma, Kaori Kusuda, Hiroaki Ikesue, Ryobu Mori, Daichi Fujimoto, Kazuma Nagata, Atsushi Nakagawa, Ryo Tachikawa, Kojiro Otsuka, Keisuke Tomii

Patients' expectations and quality of life before introduction of pirfenidone used in idiopathic pulmonary fibrosis.

Aleksandra Belz (Katowice, Poland), Paulina Debowska, Joanna Warzecha, Aleksandra Gasiorek, Dominika Galczyńska, Sylwia Czyz, Bettina Ziaja, Dariusz Jastrzebski, Dariusz Ziora

Combination treatment with nintedanib and prednisolone for patients with idiopathic pulmonary fibrosis

Motoyasu Kato (Tokyo, Japan), Takahiro Nakamura, Kana Kono, Mizuki Haraguchi, Tomoko Yamada, Hiroaki Ihara, Fumiyuki Takahashi, Kazuhisa Takahashi

Benefits of a pilot program of supervised exercise training in Idiopathic Pulmonary Fibrosis

Jaume Borda Martinez (Barcelona, Spain), Jose Manuel Palma Lopez, Mariagna Sampere Aymerich, Anna Bachs Salvado, Lurdes Planas Cerezales, Ivette Callorda Boniatti, Ferran Lopez Beltran, Rosa Planas Balague, Jordi Dorca Sargatal, Maria Molina Molina, Vanesa Vicens Zygmunt

Long-term (4 years) experience of Nintedanib in IPF patients in Crete: A real life data study

Athina Trachalaki (Iraklio, Greece), Katerina Antoniou, Eirini Vasarmidi, George Margaritopoulos, George Papastratigakis, Eleni Bibaki, Evangelia Stamatakis, George Meletis, Nikolaos Tzanakis

Palliative and symptomatic care of patients with fibrotic interstitial lung disease

Jennifer Mann (Melbourne (VIC), Australia), Hui Guo, Nicole Goh, Natasha Smallwood

Multidisciplinary management of interstitial lung diseases in a tertiary centre: A prospective study.

Caroline Biglia (Wavre, Belgium), Benoît Ghaye, Gregory Reyckler, Valérie Lacroix, Farah Tamirou, Delphine Hoton, Thierry Pieters, Antoine Froidure

Idiopathic Pulmonary Fibrosis (IPF): Should it be all about the FVC?

Sarah Boot (Leeds (West Yorkshire), United Kingdom), Laura Horgan, Louise Flint, Tim Sutherland, Paul Beirne

A comparison of pirfenidone versus nintedanib for the management of idiopathic pulmonary fibrosis

Mariam Naqvi (London, United Kingdom), Grainne D'Ancona, Alex West

Real-life efficacy of Pirfenidone in a cohort of patients with IPF in Northern Greece

Serafim Chrysovalantis Kotoulas (Greece), Evangelia Fouka, Ioannis Organtzis, Georgia Pitsiou, Antonios Papaioannou, Christoforos Euthymiou, Ioannis Stanopoulos, Violetta Mourouzidou, Theodoros Kontakiotis, Despoina Papakosta

Associations between comorbidities, their treatment and survival in patients with interstitial lung diseases – a claims data analysis

Larissa Schwarzkopf (Neuherberg, Germany), Sabine Witt, Julia Waelscher, Markus Polke, Michael Kreuter

Experience of patients treated with nintedanib in the Community of Madrid. REFIPIIMAD Registry

M^a Asuncion Nieto Barbero (Madrid, Spain), Luis Gómez Carrera, M^a Jesús Rodríguez Nieto, Álvaro Casanova Espinosa, Rosalia Laporta Hernández, Belén López-Muñiz Ballesteros, Claudia Valenzuela, Teresa Bilbao-Goyoaga Arenas, Gemma M^a Mora Ortega, M^a Teresa Río Ramírez

Efficacy of combined therapy with pirfenidone and inhaled N-acetylcysteine for idiopathic pulmonary fibrosis: a randomized controlled phase 3 trial

Sakae Homma (Tokyo, Japan), Yasuhiro Kondoh, Motoyasu Kato, Tomoaki Hoshino, Hiroshi Mukae, Masashi Bando, Takafumi Suda, Takashi Kido, Yoshinori Tanino, Tomoo Kishaba, Noboru Hattori, Yoshio Taguchi, Takefumi Saitoh, Yasuhiko Nishioka, Kazuyoshi Kuwano, Kazuma Kishi, Naohiko Inase, Shinichi Sasaki, Hajime Takizawa, Takeshi Johkoh, Fumikazu Sakai, Susumu Sakamoto

12:50 - 14:40

Thematic poster: Cystic fibrosis in paediatric patients: current research

Disease(s) : Respiratory infections Airway diseases

Method(s) : General respiratory patient care Cell and molecular biology Physiology Epidemiology

Chairs : Marcus Mall (Berlin, Germany), Nicolas Regamey (Lucerne, Switzerland), Lutz Naehrlich (Erlangen, Germany), Anna Shawcross (Manchester (Greater Manchester), United Kingdom)

The bigger you are, the harder you fall? - Short term effects of lumacaftor/ivacaftor on lung function in children with Cystic Fibrosis>

Rebecca Finnegan (Galway, Ireland), Emma O Grady, Anna Smyth, Stephaine Ryan, Michael Williamson

In vitro activity of colistin in combination with N-acetylcysteine against Pseudomonas aeruginosa

Lucia Pallecchi (COLLE DI VAL D'ELSA (SI), Italy), Simona Pollini, Tiziana Di Maggio, Daniela Girelli, Antonio Teri, Lisa Cariani, Stefano Aliberti, Francesco Blasi, Francesco Sergio, Gian Maria Rossolini

Exhaled breath analysis by ion mobility spectrometry in children with asthma and cystic fibrosis

Michiel Bannier (Maastricht, Netherlands), Kim Van De Kant, Jorg Baumbach, Quirijn Jobsis, Edward Dompeling, Sandra Barnowski (sandra.barnowski@dbmr.unibe.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Andrea Stokes (Andrea.Stokes@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Thomas Geiser (Thomas.Geiser@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern), Lars Knudsen (knudsen.lars@mh-hannover.de / Functional and Applied Anatomy Medical School Hannover, Hannover), Manuela Funke-Chambour (Manuela.Funke-Chambour@insel.ch / Department for Biomedical Research, Bern University Hospital, Bern, CH, Bern)

Antibodies against Pseudomonas aeruginosa in patients with cystic fibrosis – clinical application

Snezhina Lazova (Sofia, Bulgaria), Guergana Petrova, Penka Perenovska, Spaska Lesichkova, Dimitrinka Miteva, Kristina Cholakova, Tanya Strateva

Induction of innate immune response in fresh human lung tissue ex vivo following P. aeruginosa infection

Sabine Wronski (Hannover, Germany), Laura Mueller, Nadine Kraemer, Peter Braubach, Danny Jonigk, Hans-Gerd Fieguth, Olaf Pfennig, Claus Bersch, Armin Braun, Katherina Sewald

Association of HLA-DR alleles with pulmonary cystic fibrosis

Esmail Mortaz (Tehran, Islamic Republic of Iran), Alireza Asef, Hosseinali Ghaffaripour, Ian Adcock

Effectiveness of mechanical insufflation-exsufflation device in pediatric patients with cystic fibrosis

Atefeh Fakharian (Tehran, Islamic Republic of Iran), Saba Karimzade, Mohsen Abedi, Shahram Kharabian Masouleh, Leilkan Shordel, Soheila Khalilzadeh

Oxygen uptake kinetics in walking children with cystic fibrosis

Yann Combret (Rouen, France), Clément Médrinal, Guillaume Prieur, Aurora Robledo Quesada, Pascal Le Roux, Grégory Reychler

Home monitoring of respiratory rate from pulse oximetry in children with cystic fibrosis

Paul Seddon (West Sussex, United Kingdom), David Wertheim, Cathy Olden, Liz Symes, Claire Edmondson, Jane Davies, Keith Brownlee

Evaluation of user behaviour with an Oscillating Positive Expiratory Pressure (OPEP) device in paediatric cystic fibrosis patients.

Kevin J. O'Sullivan (Limerick, Ireland), Leonard O'Sullivan, Colum Dunne, Deirdre Mcgrath, Barry Linnane

What is a NICE definition of lung disease in patients with Cystic Fibrosis and its impact on treatment?

Georgina Dick (Essex, United Kingdom), Stephen J Bourke, Carlos Echevarria, Simon J Doe

Comparative Evaluation of Clinical, Spiro/Oscillometric and Tomographic Parameters As A Global Assessment of Children With Cystic Fibrosis

Ozge Yilmaz (Manisa, Turkey), Esra Toprak Kanik, Ali Kanik, Ece Ozdogru, Yurda Simsek, Hudaver Alper, Hasan Yuksel

The effect of spirometry on multiple breath washout outcomes in children with cystic fibrosis

Jacky Wai Yeung Au (Toronto (ON), Canada), Reginald McDonald, Sanja Stanojevic, Felix Ratjen

Does the lung clearance index track from preschool to school age in children with cystic fibrosis?

Michelle Klingel (Toronto (ON), Canada), Sarah Isaac, Sanja Stanojevic, Renee Jensen, Melinda Solomon, Hartmut Grasemann, Valerie Waters, Neil Sweezey, Stephanie Davis, Felix Ratjen

Does physiotherapy affect Lung Clearance Index in Cystic Fibrosis patients ?

Fotios Kirvassilis (Oraiokastro, Greece), Elpis Hatziaiorou, Eleana Kouroukli, Maria Parisi, Pavlina Peftoulidou, Isaia – Christina Mouratidou, John Tsanakas

A music therapy intervention as an adjunct to chest physiotherapy in children with cystic fibrosis

Javier Perez Frias (Malaga, Spain), Alberto Montero-Ruiz, Laura A. Fuentes Galvez, Estela Perez-Ruiz, M. Paz Diaz Huelamo, Elisa Martin-Montañez

Early renal involvement in children with cystic fibrosis.

Walaa Shahin (Giza, Egypt), Ahmed Badr, Walaa Rabie, Rawdah Ahmed, Mona Mohsen, Mona El-Falaki

Newborn Screening for Cystic Fibrosis in Wales over 20 years. Changes in incidence dependent on screening protocol

Chris Course (Cardiff, United Kingdom), Iolo J.M. Doull, Ruth Hanks, Stuart Moat

Newborn screening for Cystic Fibrosis over 20 years and the identification of affected not detected infants.

Ruth Hanks (Vale of Glamorgan, United Kingdom), Iolo J.M. Doull, Christopher Course, Stuart Moat

Do we monitor hearing well enough in children with cystic fibrosis? A retrospective audit on the current practices

Mihaela Diaconu (Sheffield (South Yorkshire), United Kingdom), Noreen West

12:50 - 14:40

Thematic poster: Functional assessment of COPD**Disease(s) :** Airway diseases Respiratory critical care Respiratory infections Pulmonary vascular diseases**Method(s) :** General respiratory patient care Respiratory intensive care Surgery Physiology Imaging**Chairs :** Manlio Milanese (Pietra ligure (SV), Italy), Michael Furian (Zürich, Switzerland), Georgios Kaltsakas (Athens, Greece), Lies Lahousse (Ghent, Belgium)**Using the volumetric capnography method in assessing the functional respiratory status of a patient with COPD**

Irina Ponomareva (Ryazan, Russian Federation), Sergei Subbotin, Vladimir Abrosimov

Assessment of the physical capacity in patients hospitalized with COPD

Martiš Petrns (Riga, Latvia), Madara Tirz te

Maximal voluntary inspiratory breath holding time test in patients with chronic obstructive pulmonary disease

Azza Slim (tunis, Tunisia), Abir Hedhli, Sana Cheikh Rouhou, Nourelhouda Mbarek, Amir Taboubi, Safa Benkhaled, Yassine Ouahchi, Jouda Cherif, Meriem Mjid, Sonia Toujani, Samira Merai

Is the "Sit-to-stand test" a good tool for evaluating oxygen desaturation in COPD?

Ana Luisa Fernandes (Matosinhos, Portugal), Zita Camilo, Graciete Luís, Inês Neves, Jorge Ferreira, Paula Simão

Multi-night continuous nocturnal oxygen saturation measurements in patients with COPD

Joren Buekers (Mol, Belgium), Jean-Marie Aerts, Jan Theunis, Anouk Vaes, Emiel Wouters, Martijn Spruit, Patrick De Boever

Does the decrease in KCO go typically with DLCO decrease in obstructive pulmonary diseases? The relationship with DLCO, KCO, VA and VA/TLC in patients with COPD>

Esra Sönmez (Istanbul, Turkey), Gokhan Erdogan, Hisam Alahdab, Mehmet Atilla Uysal

Cough reflex sensitivity in exacerbations of chronic obstructive pulmonary disease

Peter Siu Pan Cho (London, United Kingdom), Hannah V Fletcher, Irem S Patel, Caroline J Jolley, Richard D Turner, Surinder S Birring

Peripheral muscle strength and COPD assessment test

Guilherme Bianzeno (Botucatu (SP), Brazil), José William Zucchi, Luiz Henrique Soares Machado, Amanda Lais Peralta, Laura Miranda De Oliveira Caram, Suzana Erico Tanni, Irma Godoy, Renata Ferrari

COPD and Swallowing disorders: Clinical assessment by Fiberoptic Evaluation of Swallowing (FEES)

ANDRES FELIPE VILLABONA RUEDA (BUCARAMANGA, Colombia), Gloria Marcela Estévez Ramírez, Heliberto Paez Quintero, Tania Mendoza Herrera, Jose Fernando Rojas Rodriguez, Javier Enrique Fajardo Rivero, Olga Rosa Castillo Mier, Xiomara Alarcon Serrano, Jaime Leonardo Chacon Manosalva, Maria Angelica Chacon Manosalva, Fabio Bolivar Grimaldos

Signs of mental confusion and asterix in hypercapnic COPD patients are attributable to elevated blood levels of ammonia

Stylianios Michaelides (Athens, Greece), Avgerinos-Romanos Michailidis, George Bablekos, Vlasios Skopas, Nikolaos Trakas, Nikolaos Koulouris

Relationship between the integrity of the cell membrane and hypoxia with hypercapnia in patients with hospitalized cardiorespiratory failure

Carmen Linette Olivo Villalobos (Mexico, Mexico), Dulce González, A Orea-Tejeda, R Sánchez-Santillán, G Dávila-Said, C Chávez-Méndez, V Peláez-Hernández, O Pérez-Bautista, M Rivera-Rodriguez, L Castillo-Aguilar, K Balderas-Muñoz, L Hernández-Urquieta

Postoperative Pulmonary Complications in Bronchial Asthma/Chronic Obstructive Pulmonary Disease/Non-Pulmonary Disease Patients

Mahsa Mirdamadi (Tehran, Islamic Republic of Iran), Hosnollah Sadeghi, Ali Safaei, Mahmood Salesi

Correlation of spirometric value to 2D ECHO parameters for diagnosis of pulmonary hypertension in COPD

Abhisheka Kumar (Patna (Bihar), India), Deependre Rai

Impact of chronic obstructive pulmonary disease and heart failure on the phase angle in hospitalized subjects

Giselle Victoria Dávila Said (Mexico, Mexico), Dulce González-Islas, Arturo Orea-Tejeda, Carmen Linette Olivo-Villalobos, Clio Anahi Chávez-Méndez, Rocío Sánchez-Santillán, Luis Felipe Castillo-Aguilar, Viridiana Peláez-Hernández, Rogelio Pérez-Padilla, Rafael Hernández-Zenteno, Mónica Rivera-Rodríguez, Karla Balderas-Muñoz, Luis Hernández-Urquieta

12:50 - 14:40

Thematic poster: Biomarkers of COPD

Disease(s) : Airway diseases Respiratory infections

Method(s) : General respiratory patient care Cell and molecular biology Imaging Epidemiology Physiology

Chairs : Andreas Rembert Koczulla (Marburg, Germany), Tiina Mattila (Helsinki, Finland), Marina Labor (Zagreb, Croatia)

The role of serum IL6 in stable COPD patients

Dora Marinova (Sofia, Bulgaria), Aleksandar Lilov, Yanina Slavova

Blood Eosinophils Correlate With Severe Exacerbations in Frequent Exacerbator Phenotype of COPD

Vipul Jain (Fresno, United States of America), Vipul Jain, Leena Jalota, Vinisha Prajapati, Dennis Allison, Ratnali Jain, Joseph Vempilly

The impact of high eosinophil count on hospitalizations in COPD patients

Burcu Arpinar Yigitbas (Istanbul, Turkey), Elif Yelda Niksarlıoğlu, Esra Yazar, Lutfiye Kılıç, Celal Satıcı, Seyma Ozden

Changes in urinary biomarkers between stable state and exacerbation of COPD

Ahmed Javid Yousuf (Oxford (Oxfordshire), United Kingdom), Gita Parekh, Annelyse Duvoix, Sarah Parker, Jo Finch, Sarah Glover, Sarah Rees, Vijay Mistry, Liesl Carr, Paul Davis, Keir Lewis, Christopher Brightling

The relationship between serum levels of Surfactant protein D in COPD exacerbation severity and mortality

Fatma Esra Günaydin (Istanbul, Turkey), Nurdan Kalkan, Gülşah Günlüoğlu, Esma Nur Aktepe, Bar Demirkol, Thierry Sibomana, Sedat Altın

VEGF serum levels in COPD patients without pulmonary hypertension – a case control study

Ana Florica Chi (Cluj-Napoca (Cluj), Romania), Olga Soritau, Andreea Catana, Monica Pop

Blood MCP-1 levels are increased in chronic obstructive pulmonary disease with prevalent emphysema

Antonino Di Stefano (Veruno (NO), Italy), Teresa Coccini, Elisa Roda, Cinzia Signorini, Bruno Balbi, Giuseppe Brunetti, Piero Ceriana

Increased serum endotoxin levels as biomarker in acute exacerbations of COPD.

Christian Herr (Homburg (Saar), Germany), Eva Papatsanis, Johanna Classen, Julia Demandt, Marilena Patalong-Dahm, Teresa Stegmaier, Christoph Beißwenger, Giovanna Vella, Felix Ritzmann, Franziska Trudzinski, Thai Dinh, Philipp Lepper, Sebastian Fähndrich, Robert Bals

1 year RV/TLC change as a predictor of long term decline of FEV1

In Ae Kim (Seoul, Republic of Korea), Yong Bum Park, Chin Kook Rhee, Young Il Hwang, Kwang Ha Yoo

Exercise-induced desaturation and the functional status of patients with COPD

Irina Ponomareva (Ryazan, Russian Federation), Alexey Kosyakov, Vladimir Abrosimov

Association of serum uric acid levels and outcomes of patients with Chronic Obstructive Pulmonary Disease (COPD)

John Ray Galamay (Quezon City, Philippines), Teresita De Guia, Ma. Encarnita Limpin

Association of Hypoxia-Inducible Factor (HIF)-1α and Asymmetric Dimethylarginine (ADMA) in patients with COPD and controls.

Kriti Upadhyay (New Delhi (Delhi), India), Ashraf Ali, Bijay Pattnaik, Anurag Agarwal, Randeep Guleria

Differences in expression profiles of serum microRNAs in women with mild to moderate COPD by biomass smoke exposure and tobacco smoke.

Yadira Velasco (CDMX, Mexico), Julia Pérez, Martha Montaña, Oliver Pérez, Ivette Buendía, Ramcés Falfán, Victor Ruíz, Carlos Ramos

Expression and function of IL-20 cytokines and their receptors on the airway epithelium during Chronic Obstructive Pulmonary Disease (COPD)

Olivia BARADA (LILLE, France), Gwenola Kervoaze, Christelle Coraux, Myriam Polette, Gaetan Deslée, Muriel Pichavant, Philippe Gosset

IL-18 and IL-10 in patients with occupational COPD, depending on the presence or absence of hypertension

Anastasiya Melenevych (Kharkov, Ukraine)

Relationship of HRCT-diagnosed emphysema and clinical features in COPD.

Vanya Kostadinova (Varna, Bulgaria), Yordan Radkov, Temenuga Stoeva, Darina Miteva

Interdisciplinary Pilot Project on Emphysema Quantification and Bronchial Wall Thickness assessment in COPD patients

Blanka Cuk (Zagreb, Croatia), Kristina Krpina, Ante Marušić, Ivona Markeli, Andrea Vukić, Dugac, Sanja Popović, Grle

12:50 - 14:40

Thematic poster: Pulmonary rehabilitation: exercise training, body composition, physical activity and other aspects

Disease(s) : Respiratory critical care Airway diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Respiratory intensive care Cell and molecular biology

Chairs : Claire M. Nolan (London, United Kingdom), Matthias Loeckx (Leuven, Belgium), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Alda Sofia Pires De Dias Marques (Aveiro, Portugal)

RELATIONSHIP BETWEEN SIX-MINUTE WALK DISTANCE, PULMONARY FUNCTIONS AND PATIENT CENTERED OUTCOMES IN PATIENTS WITH PULMONARY HYPERTENSION

Pinar Odevoglu (Istanbul, Turkey), Goksen Kuran Aslan, Buket Akinci, Gulfer Okumus

Impact of Community Respiratory Team on individual hospital admissions and region based improvements.

Jennifer Macfie (Glasgow (Glasgow), United Kingdom), Katy Levin, Marianne Milligan, Deborah Anderson, Hannah Bayes, David Anderson

2 days at the sea-side! Effects on anxiety and depression scores, Health Locus of Control (HLOC) and Patient's Global Impression of Change (PGIC) in COPD patients.

Irene Salamun (Liège, Belgium), Delphine Nguyen Dang, Hélène Vancauwenberge, Audrey Vanhauzenhuyse, Hervé Debatty, Jean-Louis Corhay, Renaud Louis

Physical activity evolution measured by actimeter in COPD patients after a pulmonary rehabilitation.

Trija Vaidya (NANTES, France), Camille Badatcheff, Agnes Bellocq, Frédéric Costes, Hakima Oukssel, Claire De Bisschop, Arnaud Chambellan

Association between muscle wasting and muscle strength in patients who developed severe sepsis and septic shock

Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Rodrigo Borges, Francisco Soriano

Low FFMI in COPD patients undergoing pulmonary rehabilitation

Tomaz Hafner (Kranj, Slovenia), Irena Sarc, Anja Groselj, Ziva Zdolsek, Barbara Zupanc, Tatjana Kosten

Prevalence of sarcopenia in Brazilian hospitalized and community-dwelling elderly

Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Rodrigo Borges, Daniel Correa, Mariucha Borges, Lourdes Sampaio

Inspiratory muscle training with SpiroTiger-MEDICAL® in patients with diaphragmatic dysfunction

Claudia Crimi (Catania (CT), Italy), Raffaele Campisi, Teresa Augelletti, Enrico Heffler, Antonio Ragusa, Nunzio Crimi

Understanding utilisation of Pulmonary Rehabilitation in Primary care: an online survey

Jonathan P Fuld (Cambridge (Cambridgeshire), United Kingdom), Frances Early, Hena Haque, Patricia Wilson, Ian Wellwood, John Benson, Christi Deaton

Pedometer intervention to improve daily physical activity and QOL in patients with stable COPD including those with ACO.

Yuko Sano (Tokyo, Japan), Rokuro Matsuoka, Yoko Sato, Shinobu Kimura, Syoji Mihara, Hajime Kurosawa

Evolving outcomes of tracheostomised patients requiring prolonged mechanical ventilation before and after implementation of a respiratory high-dependency unit in a tertiary care hospital.

Bertrand Herer (Bris Sous Forges, France), Catherine Karanfilovic, Henri Maas, Hélène Jaillet, Christian Darné, Françoise Haniez

Comparative assessment of the qol specific parameters in children with bronchial asthma with standard pharmacotherapy, and in additional course of physiotherapy in the pool

Natalya Alexandrovna Mokina (Samara (Samara Oblast), Russian Federation), Liliya Ilyinichna Mazur, Vasilij Fedorovich Pjatin, Igor Ivanovich Berezin, Egor Dmitrievich Mokin, Artem Konstantinovich Sergeev

Eosinophilic ratio in COPD and outcomes in pulmonary rehabilitation

Mateus Schneider (Porto Alegre, Brazil), Daniela Gravina, Gabriel Siebiger, Lucas Carlesso, Juliessa Florian, Scheila Machado, Monica Oliveira, Paulo Teixeira

Effectiveness of a four-week rehabilitation program on changes in heart rate variability and physical performance in chronic obstructive pulmonary disease.

Janos Tamas Varga (Budapest, Hungary), Botond Szucs, Mate Petrekanits

Post-exercise training serum from COPD patients induces atrophy of healthy human myotubes in vitro

Matthias Catteau (Montpellier, France), Farès Gouzi, Léo Blervaque, Emilie Passerieux, Marine Blaquièrre, François Bughin, Nelly Héraud, Jacques Mercier, Maurice Hayot, Pascal Pomiès

No single system of Pulmonary Rehabilitation delivers for all Patients with COPD ?

Michael Apps (Brentwood, United Kingdom), Kelly-Ann Keeling, Carole Goodrich, Honoria Olympio-Anang, Irene Young, Anna Kopacz, Kiran Sanger, Jan Minter, Tracy Gisby

Oxygen wristbands, a visual aid to aid patient safety

Saagar Patel (Manchester (Greater Manchester), United Kingdom), Jaclyn Proctor, Safia Lakehal, Saif Haddad, Jenfier Marlow, Alex Jackson, Sonja Walker, Mithun Murthy

Challenges faced by Pulmonologists in India in management of severe obstructive airways diseases (SOADs).

Komalkirti Apte (Pune (Maharashtra), India), Sushmeeta Chhowala, Sushma Jadhav, Jaideep Gogtay, Sundeep Salvi

Influence of hypercapnia on the effect of non invasive ventilation during exercise in COPD patients

Pierre Labeix (Saint-Etienne, France), Mathieu Berger, Isabelle Court Fortune, Daniella Muti, Stephanie Ballereau-Chomette, Frederic Costes

The effect of inspiratory muscle training on lung hyperinflation in COPD patients.

Natalia Meshcherykova (Moscow, Russian Federation), Andrey Belevsky, Alexander Cherniak

12:50 - 14:40

Thematic poster: Airway disease: recent discoveries**Disease(s) :** Airway diseases Respiratory infections Interstitial lung diseases Sleep and breathing disorders Respiratory critical care**Method(s) :** General respiratory patient care Physiology Cell and molecular biology Epidemiology Surgery Public health

Chairs : Pierre-Régis Burgel (Sorbonne Paris Cité, France), Maria Esther Quintana-Gallego (Tomares (Sevilla), Spain), Vasileios Andrianopoulos (Schönau am Königssee, Germany), Apostolos Bossios (Stockholm, Sweden)

Clinical features and functional parameters predict the probability of ACO in patients with asthma and COPD

Giulia Ciardi (Prato (PO), Italy), Chiara Allegrini, Marco Palazzi, Alessio Fabbri, Gianna Camiciottoli

Tuberculosis associated Obstructive Lung disease- A Pilot Study

Raja Dhar (Kolkata (West Bengal), India), Beauty Biswas, Tarang Kulkarni, Sneha Limaye, Alope Ghoshal

Evaluation bronchial hyperresponsiveness in patients with persistent allergic rhinitis

Dragan Koruga (Novi Sad, Republic of Serbia), Sanja Hromis, Nenad Baletić, Aleksandar Peri

Identifying gaps in care: review of bronchiectasis care in a general respiratory unit

Belinda Liu (Wheeler Hill, Australia), Natasha Smallwood, Megan Rees

Correlation between sputum and blood eosinophils in asthmatic and COPD patients with comorbidities.

Patrizia Pignatti (Vigevano (PV), Italy), Dina Visca, Etienne Lucini, Francesca Cherubino, Elisabetta Zampogna, Claudia Celesia, Giovanni Sotgiu, Antonio Spanevello

Using fractional exhaled nitric oxide level to differentiate asthma-COPD overlap syndrome from COPD

Fikret Kanat (Konya, Turkey), Volkan Taskin, Mecit Suerdem, Nedim Gurel, Baykal Tulek

Romanian awareness and screenings for Obstructive Airway disease - World Asthma and COPD Day 2017

Ramona Elena Nedelcu (Bucuresti, Romania), Florin Dumitru Mihaltan, Ruxandra Ulmeanu

Association between subjective and objective cough assessment - preliminary report

Michał Zieliński (Bytom, Poland), Dariusz Ziorek

Nasal polyps as possible target to achieve the best biological treatment choice in severe asthma

Manuela Latorre (Pisa (PI), Italy), Veronica Seccia, Maria Laura Bartoli, Lodovica Cristofani-Mencacci, Matteo Bradicich, Marta Maria Daniele, Roberta Del Cesta, Mario Miccoli, Silvana Cianchetti, Elena Bacci, Pierluigi Paggiaro

Obstructive sleep apnea as a risk factor for non-asthma control

Fabricio Martins Valois (Sao Luis (MA), Brazil), Maria Do Rosario Da Silva Ramos Costa, Brendon Da Silva Santana, Laisson De Moura Feitosa, Ana Beatriz Campelo Campos, Gabriel Matos Machado, Lucas Otoni Lima Rocha, Ithaa Barboza Da Silva, Renato Simões Gaspar

Alpha 1-globulin fraction of serum protein electrophoresis for screening and early detection of alpha 1 antitrypsin deficiency

Simone Scarlata (Roma (RM), Italy), Simona Santangelo, Panaiotis Finamore, Gilda Giannunzio, Davide Fontana, Raffaele Antonelli Incalzi

Increasing sputum basophils is a marker for eosinophil-dominant airway inflammation in adult asthma

Keiko Wakahara (Nagoya, Japan), Tomoko Nishio, Yoshihiro Suzuki, Suguru Majima, Saya Nakamura, Yoshinori Hasegawa

Primary ciliary dyskinesia diagnosis in adult patients with bronchiectasis in Sao Paulo, Brazil.

Mary Anne Kowal Olm (São Paulo (SP), Brazil), Rodrigo Abensur Athanazio, Samia Rached, Niki Tomas Loges, Heymut Omran, Rafael Stelmach, Paulo H.N. Saldiva, Thais Mauad

The nation-wide survey of primary ciliary dyskinesia in Japan

Naozumi Hashimoto (Nagoya, Japan), Yoshinori Hasegawa, Naoto Keicho, Kazuhiko Takeuchi, Makoto Takase, Minako Hijikata, Akira Ando, Sakae Homma, Naohiko Inase

Longitudinal changes in exhaled and nasal nitric oxide in children and young adults with asthma.

Christina Krantz (Uppsala, Sweden), Christer Janson, Kjell Alving, Andrei Malinowski

A comparison of unsupervised methods based on dichotomous data to identify clusters of airways symptoms: latent class analysis and partitioning around medoids methods.

Rita Amaral (Porto, Portugal), Tiago Jacinto, Ana Pereira, Rute Almeida, João Fonseca

Comparison of aerosol delivery from two inhaler technique-guidance devices.

Mark Sanders (Harlow (Essex), United Kingdom), Ron Bruin, Cuong Tran

Inhaler technique assessments in a real-life cohort of mepolizumab-treated patients

Helle Haagen Andersen (Brabrand, Denmark), Lene Mølgaard Pedersen, Anne Sofie Bjerrum

Poor inhaler technique revealed by investigating different aids in patients with COPD

Karoline Litrup King (Århus N, Denmark), Lotte Hasling Kodbøl Jørgensen, Anders Løkke

Influence of personal characteristics of patients with bronchial asthma on their medication adherence
Juliya M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Larisa V. Bogovin, Tatyana V. Platonkina

12:50 - 14:40

Thematic poster: Diagnosis of tuberculosis

Disease(s) : Respiratory infections Airway diseases

Method(s) : Public health Endoscopy and interventional pulmonology General respiratory patient care Epidemiology Cell and molecular biology Imaging

Chairs : Berit Lange (Freiburg, Germany), Dragica Pešut (Beograd, Republic of Serbia)

Rapid diagnosis of tuberculosis and rifampin resistance by GeneXpert MTB/RIF test
eref Özkara (Ankara, Turkey), Ismail Ceyhan, Mujgan Guler, Gungor Dulkar

The utility of delta neutrophil index in differentiation of pulmonary tuberculosis from community acquired pneumonia
Jun Hyeok Lim (Seoul, Republic of Korea), Byung Woo Jhun, Hyun Il Gil, Yun Su Sim, Tae Rim Shin, Dong-Gyu Kim

Compliance with recommendation for respiratory sampling in diagnosis of Tuberculosis(NICE guideline NG33)
HNIN WINT WINT AUNG (Woking (Surrey), United Kingdom), Salim P L Meghjee, Debbie Wearmouth

Comparison of the diagnostic value of immunological test, applied to two types of biological fluids - venous blood and bronchoalveolar lavage in children with tuberculosis
Svetlana Velizarova (Sofia, Bulgaria), Nataliya Gabrovska, Dimitar Kostadinov, Dinko Valev, Nevena Gesheva, Yana Krasteva

Activity of lysozyme and adenosine deaminase in patients with pulmonary tuberculosis
Mirjana Trajcevska (Skopje, FYROM (Macedonia)), Aleksandar Sandevski

High serum periostin levels and the association with pulmonary tuberculosis
Momoko Yamauchi (Okinawa-ken, Japan), Takeshi Kinjo, Gretchen Parrott, Jiro Fujita

First experience of single TB centre in diagnosis of peripheral pulmonary lesions using radial-EBUS.
Irina Shumskaya (Moscow, Russian Federation), Ilya Sivokozov, Elena Larionova, Galina Evguschenko, Natalya Karpina, Olga Lovacheva

Patients with recurrent tuberculosis in Istanbul: reactivation?, reinfection?
Gonca Öcal (Istanbul, Turkey), P nar Etiz, Zuleyha Bingol, Orhan Kaya Koksalan, Zeki Kilicaslan

Radiological differential diagnosis of lung cavities
Rasul Amansahedov (Moscow, Russian Federation), Natalia Karpina, Irina Limarova, Roksana Kazho, Anatoliy Sigaev, Atadzhan Ergeshov

Diagnostic role of bronchoscopy in induced sputum negative pulmonary tuberculosis in tertiary care centre, South India
Don Gregory Mascarenhas (Puttur (Karnataka), India), Neema Motadka

Trend of delay treatment of patient and healthcare system in diagnosis and management of pulmonary tuberculosis in Iran
Abolfazl Mozaffari (Tehran, Islamic Republic of Iran), Reza Kianifar

Role of Bronchial Washing Gene Xpert in smear negative cases of suspected pulmonary tuberculosis
Faisal Faiyaz Zuberi (Karachi Sindh, Pakistan), Sagheer Hussain, Sidra Hameed, Bader Faiyaz Zuberi

The role of computed tomography in differential diagnosis of pulmonary TB in patients with chronic renal failure in the terminal stage.
Olga Gordeeva (Moscow, Russian Federation), Rasul Amansakhedov, Irina Limarova, Natalia Karpina, Atadjan Ergeshov

Hepatic tuberculosis – a case series
Edward Williams (HINCKLEY (Leicestershire), United Kingdom), J L Potter, F Duff, M Burman, S Tiberi, V White, H Kunst

Study of diagnostic sensitivity for mycobacterium tuberculosis(MTB) by smear, culture and Xpert MTB/RIF assay in pleural specimens obtained by medical thoracoscopy.
Mahaveera Bnbm Prasad (Bengaluru (Karnataka State), India)

Semiquantitation of tuberculosis bacilli (MTB) and nontuberculous mycobacteria (NTM) in sputum by a new nucleic acid amplification test (NAAT)

Emmanuelle Cambau (Paris, France), Sylvain Kumanski, Emmanuel Lecorche, Faiza Mougari

Knowledge of Cough Hygiene And Disposal of Sputum in Patients with Pulmonary Tuberculosis

Deepu Changappa Cheriamane (Madikeri (Karnataka), India)

Negative effect of ferritin levels on T-SPOT.TB, an enzyme-linked immunospot based interferon-gamma release assay using Mycobacterium tuberculosis specific antigens, in the smear-positive active pulmonary tuberculosis.

Masaki Yamamoto (Yokohama, Japan), Ken Tashiro, Misako Ikeda, Hideyuki Nagakura, Kentaro Nakashima, Ryota Ushio, Kenjiro Nagai, Yu Hara, Nobuaki Kobayashi, Takashi Sato, Masaharu Shinkai, Makoto Kudo, Takeshi Kaneko

12:50 - 14:40

Thematic poster: Asthma and drugs**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Epidemiology Public health Respiratory intensive care Endoscopy and interventional pulmonology Physiology Imaging**Chairs :** Stefan Blaas (Regensburg, Germany), Chair to be confirmed**Bronchoscope-guided Catheter-directed therapy for Patients with Severe Asthma and Airway Stenosis. Shah W,Thong L,Redmond K,Murray J,Cormican LJ,Burke CM, Faul JL.**

Waheed Shah (Dublin 11, Ireland), John Faul

Clinical-functional manifestations of osmotic airway hyperresponsiveness in asthma patients

Evgenia Y. Afanaseva (Blagoveshchensk (Amur Oblast), Russian Federation), Anna G. Prikhodko

Overlapping biological drugs prescription status: real life in Genoa

Diego Bagnasco (GENOVA (GE), Italy), Teresita Aloe', Tommaso Bondavalli, Elisa Testino, Andrea Manfredi, Giovanni Passalacqua

Evaluation of nationwide quality control indicators of asthma treatment

So-My Koo (Seoul, Republic of Korea), Minseong Kim, Gun Woo Park, Sungho Won, Hyeon-Jong Yang

Adjustable maintenance dosing with budesonide/formoterol provides effective asthma symptom control at a lower average dose than with fixed dosing – 6-month study

Olha S. Tolokh (Lviv, Ukraine), Nadiya D. Rudnytska

Features of adult-onset (19+) difficult asthma differ by sex in the WATCH cohort.

Clair Barber (Southampton (Hampshire), United Kingdom), Kerry Gove, Deborah Knight, Frances Mitchell, Hans Michael Haitchi, Colin Newell, Paddy Dennison, Tom M Wilkinson, Peter H Howarth, Ramesh J Kurukulaaratchy

Association between asthma exacerbations and air pollution in Badalona (Barcelona), (2008-2016).

Zoran Stojanovic (Girona, Spain), Carlos Martínez-Rivera, Ignasi Garcia-Olivé, Joaquim Radua, Jorge Abad-Capa

Quality of life (QOL) and pulmonary rehabilitation (PRP) : Functional correlates in asthma and COPD outpatients

Daryna Semotyuk (Lviv, Ukraine), Khrystyna Volnytska

Preferences for current inhaler devices in patients with asthma

Diana Paulina Chiluiza Reyes (Madrid, Spain), Beatriz Martín, Ana Jaureguizar, Francisco León, Esther Barbero, Edwin Mercedes, Carlos Almonacid

Indirect airway challenges and asthma related conditions in healthy active individuals

William Gowers (Whitstable, United Kingdom), Anna Jackson, James Hull, James Hopker, John Dickinson

Effect of a short-term yoga-based lifestyle intervention on lung function and quality of life in bronchial asthma patients

Eva Eva (New Delhi (Delhi), India), Ritesh Netam, Anjana Talwar, Anant Mohan, Raj Kumar Yadav, Saurabh Mittal, Hanjabam Barun Sharma, Sanjay Patel

Contribution of respiratory function in asthma

kenza fezaa (algiers, Algeria), Leila Laouar, Wafia Bourekoua, Mohamed Tayeb Makhoulfi, Samya Taright

Asthma control and psychological status in university students

Snezana Stojanovic Ristic (Belgrade, Republic of Serbia), Branislava Milenkovic, Milan Latas, Zaklina Davicevic Elez, Tamara Lukic, Jelena Jankovic, Sanja Dimic Janjic, Natasa Djurdjevic

Identifying Asthmatic Children using Tidal Breathing Parameters Measured by Structured Light Plethysmography (SLP)

Hamzah Hmeidi (Ely, United Kingdom), Hamzah Hmeidi, Shayan Motamedi Fakhr, Ed Chadwick, Francis Gilchrist, Rachel Wilson, Warren Lenney, Richard Iles, John Alexander

Developing datasets for a national audit of hospital asthma care and organisation in England and Wales.

Rachael Andrews (London, United Kingdom), Viktoria Mcmillan, Christopher M Roberts, Shuaib Nasser

Challenges faced by Indian pediatricians in management of pediatric asthma in clinical practice.

Monica Barne (Pune (Maharashtra), India), Noopur Hedawoo, Nisha Kale, Sapna Madas, Sundeep Salvi

Relationship between alexithymia and psychological status in university students with asthma

Branislava Milenkovi (Beograd, Republic of Serbia), Snezana Ristic, Tamara Lukic, Žaklina Davicevic-Elez, Jelena Jankovic, Natasa Djurdjevic, Sanja Dimic Janjic

Objective characterisation of difficult asthma in the WATCH study

Anna Freeman (Southampton, United Kingdom), Heena M Mistry, Adnan Azim, Matt A E Harvey, Kerry Gove, Hans Michael Haitchi, Colin Newell, Paddy Dennison, Tom M Wilkinson, Ramesh J Kurukulaarachy

Uncontrolled asthma among patients attending a Specialist Respiratory Clinic in a resource-limited setting

Gayani Liyanage (Welisara, Sierra Leone), Eshanth Perera

Improvement of small airway deposition of corticosteroids by smart nebulisation

Bernhard Müllinger (Gauting, Germany), Juliane Schick, Gary Burgess, Sue Snape

12:50 - 14:40

Thematic poster: Paediatric respiratory infections: mechanistic insights and clinical outcomes**Disease(s) :** Respiratory infections Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology Public health Respiratory intensive care Physiology**Chairs :** Ahmad Kantar (Bergamo (BG), Italy), Mark Everard (Perth (WA), Australia), Evelien R. van Meel (Rotterdam, Netherlands), Giulia Cangiano (Verona (VR), Italy)**Investigating the mechanisms of Bordetella pertussis-induced airway inflammation.**

Giorgio Fedele (Rome, Italy), Ilaria Schiavoni, Pasqualina Leone

Molecular characterisation and clinical presentation of Mycoplasma pneumoniae lower respiratory tract infections in children

Jasna Rodman Berlot (Ljubljana, Slovenia), Darja Keše, Marina Praprotnik, Tatjana Mrvi, Rok Kogoj, Uroš Krivec

The influence of modern microbiological methods on the antibiotic treatment of pneumonia in children

Vojko Berce (Murska Sobota, Slovenia), Maja Tomazin, Brigita Koren, Barbara Lovrencic

Intrapleural use of dornase alfa and tissue plasminogen activator are successful as treatment in pediatric empyema: a pilot study

Monique Slaats (Edegem (Antwerp), Belgium), Jozef De Dooy, Patrick Lauwers, Paul Van Schil, Stijn Verhulst, Jeroen Hendriks

Inhibitory effect of naringenin in airway mucus hypersecretion and the possible mechanism

Xiaoguang Hu (Wenzhou (Zhejiang), China), Hai Lin Zhang, Shan-Shan Meng, Fang-Fang Lv, Li Lin

Cytokines profile in RSV infection according to nutritional status.

Loreto Fuenzalida (santiago, Chile), Guisselle Arias, Jaime Inostroza, Diego Garcia-Diaz, Gustavo Valderrama

The role of innate lymphoid cells in early life lung infection

Dawid Swieboda (London, United Kingdom), Ryan Thwaites, Simon Nadel, Trevor Hansel, Peter Openshaw, Fiona Culley

Chitinase 3-like 1 protein plays a critical role in RSV-induced airway inflammation

Myunghyun Sohn (Seoul, Republic of Korea), Minjung Kim, Doohee Shim, Jaemyun Lee

Differences between innate response in children with bronchiolitis versus recurrent wheezing.

Maria Luz Garcia Garcia (Madrid, Spain), Cristina Calvo-Rey, Sergio Quevedo-Teruel, Beatriz Sastre-Turrion, Sara Bellon-Alonso, Patricia Alonso-Lopez, Araceli Marques-Cabrero, Laura Remedios-Mateo, Ana Tellez-Manso, Victoria Del Pozo-Abejon

Bronchiolitis under 6 months of age: time for changing definition?

Laura Petrarca (Roma (RM), Italy), Raffaella Nenna, Antonella Frassanito, Alessandra Pierangeli, Greta Di Mattia, Carolina Scagnolari, Chiara Urbano, Marianna Di Martino, Domenico La Regina, Vincenzo Ferraro, Fabio Midulla

A phase-III multicenter, randomized, double-blind, controlled trial of high-dose inhaled nitric oxide in infants with acute bronchiolitis.

Aviv Goldbart (Beer Sheva, Israel), Inbal Golan-Tripto, Giora Pillar, Galit Levnat-Levanon, Ori Efrati, Ronen Spiegel, Ronit Lubetzky, Moran Lavie, Lior Carmon, Mark Mizrahi, Amit Nachum

Inhaled fraction and granulometry of hypertonic saline solution Aerosol for the ambulatory management of newborn babies with viral bronchiolitis: size matters.

Matthieu BREMOND (TOURS, France)

Respiratory readmission rates differ in the year following hospitalisation with RSV and non-RSV bronchiolitis

Gemma Saint (Liverpool (Merseyside), United Kingdom), Brian Flanagan, Paul McNamara

Rhinovirus- induced wheezing in children with family history of asthma

Snezhina Lazova (Sofia, Bulgaria), Sirma Mileva, Milena Yakova, Snejana Michailova

Bronchiolitis: 5 years of follow-up

Antonella Frassanito (Roma (RM), Italy), Raffaella Nenna, Laura Petrarca, Greta Di Mattia, Alessandra Pierangeli, Carolina Scagnolari, Flaminia Ravà, Sabrina Fioroni, Erika Marchionne, Benedetta Foti, Giulia Lais, Fabio Midulla

Respiratory Illness and Respiratory Syncytial Virus (RSV)-Related Hospitalization (RSVH In Infants with a Tracheostomy (Tr) in the CARESS Registry (2005-2016)

Ian Mitchell (Calgary (AB), Canada), Mahweesh Saleem, Kelly Kim, Paes Bosco, Krista Lanctot

The effect of ambient air pollution on the risk of hospitalisation with bronchiolitis in infants: A systematic review.

Charlotte King (London, United Kingdom), Daniel Hawcutt, Jamie Kirkham, Ian Sinha

Calprotectin as new sensitive marker of neutrophilic inflammation in patients with bronchiolitis obliterans

Silvija Jerkic (Hofheim am Taunus, Germany), Felix Michel, Annalena Kochems, Ralf Schubert, Martin Rosewich, Stefan Zielen

13:00 - 14:00

Meet the expert: ME11 Management of severe asthma in children

Aims : to discuss the definition of severe asthma in children and to describe the recommendations regarding the evaluation and treatment of these patients.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Policy maker, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Raffaella Nenna (Rome, Italy)

13:00 Management of severe asthma in children
Jonathan Grigg (London, United Kingdom)

13:00 - 14:00

Meet the expert: ME12 Immunotherapies for lung cancer**New diagnostic and therapeutic options**

Aims : to provide profound insights into the new developments in the field of immunotherapy in lung cancer, and to describe solid diagnostic and therapeutic algorithms.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

13:00 Immunotherapies for lung cancer
Thierry Berghmans (Brussels, Belgium)

13:00 - 14:00

Meet the expert: ME9 Cryobiopsy in interstitial lung disease

Aims : to discuss how to safely perform the bronchoscopic cryobiopsy technique in interstitial lung disease, with a focus on patient selection (indications and contraindications), and to describe how to prevent and deal with possible complications.

Disease(s) : Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, Pathologist, Patient, Radiologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Lizzy Wijmans (Amsterdam, Netherlands)

13:00 Cryobiopsy in interstitial lung disease
Venerino Poletti (Forli, Italy)

13:00 - 14:00

Meet the expert: ME10 Pulmonary arterial hypertension: treatment options

Current strategies and future perspectives

Aims : to summarise the current treatment strategies for pulmonary arterial hypertension (PAH) in light of the results of recent clinical trials, and to discuss ongoing investigations on different pathways that may shape future PAH treatment.

Disease(s) : Pulmonary vascular diseases

Method(s) : General respiratory patient care Transplantation

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Nurse, Patient, Physiotherapist, Student, Adult pulmonologist/Clinician

Chairs : Sheila Ramjug (Altrincham, United Kingdom)

13:00 Pulmonary arterial hypertension: treatment options
Olivier Sitbon (Le Kremlin-Bicêtre, France)

13:00 - 14:30

Lunchtime session: Bronchiectasis: new insights in diagnosis and treatment

Aims : The prevalence of bronchiectasis in the United Kingdom increased by 40% between 2004 and 2014. Similar increases have been observed worldwide (European Respiratory Journal 2016 47: 186–193). The rising burden of this disease has led to intense research activity on potential treatments, including multiple randomised controlled trials. Despite this, treatment options remain limited and clinical management is challenging. This joint Lancet/Lancet Respiratory Medicine session aims to give an overview of the latest treatments, clinical developments and cutting-edge research in both adult and paediatric bronchiectasis.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Paediatrician, Policy maker, Scientist (basic, translational), Adult pulmonologist/Clinician

Chairs : Stefano Aliberti (Milan, Italy), Emma Grainger (LONDON, United Kingdom)

13:00 Bronchiectasis: new therapies and perspectives
James D. Chalmers (Dundee (Angus), United Kingdom)

13:23 Diagnosis and management of non-cystic fibrosis bronchiectasis in children
Anne Bernadette Chang (Brisbane (QLD), Australia)

13:45 Advances in bronchiectasis: the microbiome, endotyping, genetics and disease heterogeneity
Patrick Flume (Charleston, United States of America)

14:08 Fourth presentation, which will be confirmed in July

13:00 - 14:15

Lungs on fire: Sleep and Breathing Disorders

- Aims :**
- Study real challenging clinical cases
 - Learn and exchange ideas with a panel of respiratory experts
 - Discuss the various diagnosis and treatment options

Disease(s) : Sleep and breathing disorders

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiologist

Chairs : Anita Simonds (London, United Kingdom), Paolo Palange (Rome, Italy), Walter McNicholas (Dublin, Ireland), Chair to be confirmed

Session facilitator introduction

Raphael Heinzer (Lausanne, Switzerland)

Case 1 - Author: S. Saraç (Istanbul, Turkey)

Case 2 - Author: J. Joblon (Franconville, France)

Case 3 - Author: A.C. Rodrigues Vieira (Almada, Portugal)

Case 4 - Author: A. Longoni (Mariano Comense, Italy)

Case 5 - Author: J. Van Woensel (Antwerp, Belgium)

13:00 - 14:15

Lungs on fire: Pulmonary Vascular Diseases & Respiratory Infections

- Aims :**
- Study real challenging clinical cases
 - Learn and exchange ideas with a panel of respiratory experts
 - Discuss the various diagnosis and treatment options

Disease(s) : Pulmonary vascular diseases Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Critical/Intensive care physician, General practitioner, Nurse, Paediatrician, Radiologist, Trainee, Thoracic oncologist

Chairs : Marc Humbert (Paris, France), Anh Tuan Dinh-Xuan (Paris, France), Francesco Blasi (Milan, Italy), George Dimopoulos (Athens, Greece)

Session facilitator introduction

Antoni Torres (Barcelona, Spain)

Case 1 - Author: M. Silveira Lapa (Sao Paulo, Brazil)

Case 2 - Author: A. Qayum (London, United Kingdom)

Case 3 - Author: E.T. Almas (Limerick City, Ireland)

Case 4 - Author: M. Dianti (Buenos Aires, Argentina)

Case 5 - Author: R. Coelho Soares Rosa (Lisbon, Portugal)

Case 6 - Author: T.J. Martins Oliveira (Ribeirao, Portugal)

13:00 - 14:15

Lungs on fire: Respiratory Infections

- Aims :**
- Study real challenging clinical cases
 - Learn and exchange ideas with a panel of respiratory experts
 - Discuss the various diagnosis and treatment options

Disease(s) : Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Physiologist, Physiotherapist, Radiologist, Thoracic oncologist, Trainee

Chairs : Michael Loebinger (London, United Kingdom), Enrico Maria Clini (Modena (MO), Italy), Chair to be confirmed

Session facilitator introduction

Martin H. Brutsche (St. Gallen, Switzerland)

Case 1 - Author: C. Garcia Polo (Cádiz, Spain)**Case 2 - Author: F. Funke (Essen, Germany)****Case 3 - Author: J.A. Ordoñez Cardales (Bogotá, Colombia)****Case 4 - Author: M. Asadi Gharabaghi (Tehran, Iran)****Case 5 - Author: C. Crimi (Catania, Italy)****13:15 - 14:15****Meet the expert: ME13 Management of pulmonary and critical care disease during pregnancy****Aims :** To understand the normal respiratory and cardiovascular physiology of pregnancy; to understand the management of asthma and venous thromboembolism during pregnancy; to explain the causes and management of acute respiratory failure in pregnancy.**Disease(s) :** Respiratory critical care**Tag(s) :** Clinical**Target audience :** Critical/Intensive care physician, General practitioner, Nurse, Student, Trainee, Adult pulmonologist/Clinician, Patient**13:15 Management of pulmonary and critical care disease during pregnancy**
Stephanie Levine (San Antonio, United States of America)**13:30 - 17:00****Skills workshop: SW20 Clinical interpretation of spirometry results****Aims :** To know how to interpret spirometry tests; to be able (1) to differentiate between poor technique and technical errors and abnormal spirometry by evaluating patterns in flow volume and volume time curves; and (2) to recognise abnormal from normal spirometry when interpreting curves and results tables by comparing the measured values with the reference values.**Disease(s) :** Airway diseases Pulmonary vascular diseases Sleep and breathing disorders**Chairs :** Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Aisling McGowan (Dublin, Ireland)**13:30 Introduction**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom), Aisling McGowan (Dublin, Ireland)**13:45 Recognise technically poor traces and errors of measurement**
Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)**14:05 Common discussion****14:15 Deciding on reference values and how to calculate them**
Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia)**14:40 Common discussion****14:50 Break****15:05 Look at F-V/V-T traces and describe the range of abnormal shapes**
Arne Drews (Grimma, Germany), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Jana Kivastik (Tartu, Estonia), Ebymar Arismendi Nunez (Barcelona, Spain)**15:25 Common discussion****15:35 Describe the severity of any abnormality**
Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Arne Drews (Grimma, Germany)**16:10 Common discussion****16:20 Write a spirometry report**
Ebymar Arismendi Nunez (Barcelona, Spain), Jana Kivastik (Tartu, Estonia), Julie Lloyd (Birmingham (West Midlands), United Kingdom), Arne Drews (Grimma, Germany)**16:45 Common discussion**

16:55 **Explanation on post-course assessment**
Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

14:30 - 16:50

Skills workshop: SW15 Radiological-pathological correlations in different lung diseases for clinicians

Aims : to demonstrate and discuss the radiological and pathological correlations in different lung diseases (lung emphysema, interstitial fibrosis and lung cancer) with experienced and less experienced participants.

Disease(s) : Airway diseases Thoracic oncology

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Adult pulmonologist/Clinician, Radiologist, Scientist (basic, translational), Student, Thoracic surgeon, Trainee

Chairs : Bogdan Dragos Grigoriu (Bruxelles, Belgium)

Introduction

Lung emphysema

Giulio Rossi (Aosta (AO), Italy), Claus Peter Heussel (Heidelberg, Germany)

Interstitial fibrosis

Annette Fisseler-Eckhoff (Wiesbaden, Germany), Sara Tomassetti (Forli, Italy)

Lung cancer

Walter De Wever (Leuven, Belgium), Philipp A. Schnabel (Homburg (Saar), Germany)

14:30 - 16:50

Skills workshop: SW18 Essential skills for the intensive care unit

Aims : to learn the essential skills needed for the daily work in intensive care units.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Paediatrician, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Christian Bruells (Aachen, Germany)

Introduction

Bronchoscopy - the basics

Ralf Eberhardt (Heidelberg, Germany)

Intubation - how to do it correctly

Tim Frenzel (Nijmegen, Netherlands)

Percutaneous tracheostomy

Ignacio Martin-Loeches (Dublin 8, Ireland)

How to handle haemoptysis

Michael Tamm (Basel, Switzerland)

14:45 - 16:45

Symposium: The digital @evolution in respiratory medicine: a personalised approach? Integration of m-health and e-health

Aims : to stage a state-of-the-art symposium on the implications of digital technologies in asthma, tuberculosis, pulmonary rehabilitation, sleep and ventilation.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Lowie Vanfleteren (Horn, Netherlands), Marta Almagro (Barcelona, Spain), Persijn Honkoop (Leiden, Netherlands)

- 14:45 Asthma and myAirCoach**
Omar S. Usmani (London, United Kingdom)
- 15:15 The End TB Strategy**
Dennis Falzon (Genève, Switzerland)
- 15:45 Pulmonary rehabilitation**
Atsuyoshi Kawagoshi (Akita, Japan)
- 16:15 Sleep and ventilation**
Stephanie K. Mansell (Guildford (Surrey), United Kingdom)

14:45 - 16:45**Symposium: Lung cancer screening and management of solitary pulmonary nodules**
Developing a joint and multidisciplinary approach

Aims : to provide a detailed update on the ongoing pivotal scientific debate about lung cancer screening with low dose computed tomography in high risk groups and consequently the management of solitary pulmonary nodules. Experts from the relevant international societies in this field will together provide a multidisciplinary perspective.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Imaging Pulmonary function testing Surgery

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Lung function technologist, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Radiologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Mina Gaga (Athens, Greece), Paul E. Van Schil (Edegem (Antwerp), Belgium)

- 14:45 What the radiologist can offer - the latest imaging and evaluation techniques for lung cancer screening and comorbidities**
Hans-Ulrich Kauczor (Heidelberg, Germany)
- 15:15 What the pneumologist can offer - rapidly evolving noninvasive and invasive diagnostic techniques**
Dimitri Leduc (Bruxelles, Belgium)
- 15:45 Cut it away wisely! Thoracic surgery for the solitary pulmonary nodule**
Gilbert Massard (Strasbourg, France)
- 16:15 Pulmonary nodules – incidental findings can we wait?**
Gerard Silvestri (Charleston, United States of America)

14:45 - 16:45**Symposium: Early Career Member: career and opportunities**

Aims : This session is organized by the ERS Early Career Member Committee and aims to provide important insight into the critical steps for a successful future career in respiratory research and medicine; to give insight into new possibilities to transfer between academia and industry and how these have changed in the 21st century; to introduce the Early Career Member Committee and depict ways of how to get actively involved in the ERS; and to summarise the current fellowship offers from the ERS, with a shared personal experience of a recent fellowship recipient.

Target audience : Student, Trainee

Chairs : Rory Morty (Bad Nauheim, Germany), Isaac Almendros (Barcelona, Spain)

- 14:45 The ingredients for a successful career in the respiratory field: what every young investigator needs to know**
Liz Elvidge (London, United Kingdom)
- 15:05 Transitions between academia and industry in the 21st century: changing the dogma**
Maria Gabriela Belvisi (Mölnådal, Sweden)
- 15:25 The Early Career Member Committee of the ERS**
Lieuwe Bos (Amsterdam, Netherlands)
- 15:45 Overview of the ERS fellowship schemes**
Rory Morty (Bad Nauheim, Germany)
- 15:55 Experience of a RESPIRE3 fellow**
Sara Rolandsson Enes (Burlington, United States of America)

16:05 Panel Discussion

14:45 - 16:45

Symposium: State of the art session: Interstitial lung diseases

Aims : To provide an update on the most recent advances in the diagnosis, management and treatment of interstitial lung diseases (ILD). This session will mainly address clinical issues. Adequate time for discussion of each topic will be provided at the end of each presentation.

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Adult pulmonologist/Clinician

Chairs : Ulrich Costabel (Essen, Germany), Vincent Cottin (Lyon, France)

14:45 Idiopathic pulmonary fibrosis
Athol Wells (London, United Kingdom)

15:15 Connective tissue disease-associated ILD
Bruno Crestani (Paris, France)

15:45 Sarcoidosis
Dominique Valeyre (Paris, France)

16:15 Hypersensitivity pneumonitis
Dirk Steffen Koschel (Radebeul, Germany)

14:45 - 16:45

Symposium: Malignant pleural effusions

Aims : To present the recently completed statement of the ERS task force on malignant pleural effusions and the primary results of AMPLE 2 and TAPPS, which are two recent randomised controlled trials on pleural malignancy. An update on the results of recent trials on the oncological management of mesothelioma will also be provided.

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Clinical researcher, Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician

Chairs : Giuseppe Cardillo (Roma (RM), Italy), Marios E. Froudarakis (Alexandroupolis, Greece)

14:45 2018 ERS-EACTS statement on malignant pleural effusions
Anna Bibby (Bristol (Avon), United Kingdom)

15:15 What is the best oncological management strategy for mesothelioma in 2018?
Arnaud Scherpereel (Lille, France)

15:45 Talc slurry vs. talc poudrage: primary results of the TAPPS trial
Rahul Bhatnagar (Bristol, United Kingdom)

16:15 Regular vs. symptomatic drainage of indwelling pleural catheters: primary results of the AMPLE 2 trial
Gary Yc Lee (Perth (WA), Australia)

14:45 - 16:45

Grand round: Clinical Grand Round**Diffuse parenchymal lung diseases**

Aims : To identify common and rarer diffuse parenchymal lung disorders (DPLD); and to learn about how the clinical profiles, laboratory features, physio-pathological impairments, imaging aspects and pathology in DPLD correlate with each other.

Disease(s) : Interstitial lung diseases

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Imaging Pulmonary function testing
Respiratory intensive care

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Pathologist, Patient, Physiologist, Radiologist, Thoracic oncologist, Adult pulmonologist/Clinician

Chairs : Venerino Poletti (Forlì, Italy), Katerina Antoniou (Heraklion, Greece), Leo M.A. Heunks (Amsterdam, Netherlands)

14:45	Subacute respiratory failure with characteristic clinical and radiological features Elisabetta Renzoni (London, United Kingdom)
15:15	An acute onset with unexpected final diagnosis Michael Kreuter (Heidelberg, Germany)
15:45	Cheerios in the lung Sissel Kronborg-White (Lystrup, Denmark)
16:15	A great mimicker Dominique Israel-Biet (Paris, France)

14:45 - 16:45

Hot topics: Emerging tobacco products and harm reduction: a tobacco solution to a tobacco problem ?

Aims : (i) To show how nicotine addiction maintains tobacco consumption and to explain the principles of harm reduction and their public health applications; (ii) to discuss causality in public health science and to review the evidence on the potential effects of heated tobacco products on human health; (iii) to raise awareness about the tactics of the tobacco industry, in particular how they have produced innovative tobacco products that are claimed to be less harmful, thereby deceiving the consumers about the health risks and addictiveness of tobacco products; (iv) to provide patient perspectives on emerging tobacco and nicotine products; (v) to highlight the leadership role and engagement of the ERS in controlling tobacco use and to present the ERS statement on harm reduction and emerging tobacco products.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiotherapist, Policy maker, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Stephen Lequet (Paris, France), Isabel Saraiva (Cascais, Portugal)

14:45	Understanding nicotine addiction and the principles of harm reduction Dimos Fotopoulos (Athens, Greece)
15:12	Health effects of heated tobacco products: what we do and do not know Linnea Hedman (Luleå, Sweden)
15:39	How tobacco industry tactics have changed over time: effective regulation is needed Elif Dagli (Istanbul, Turkey)
16:06	Patient perspectives on emerging tobacco and nicotine products Isabel Saraiva (Cascais, Portugal)
16:16	The position of the ERS on harm reduction and emerging tobacco products Charlotta Pisinger (Glostrup, Denmark)

14:45 - 16:45

**Hot topics: Pathophysiology of the human lung alveolus
Development, diseases and in vitro modelling**

Aims : The alveolus is the respiratory tissue that is located in the distal part of the airways. Numerous acute and chronic diseases associate with marked changes in the alveoli. Until recently, it was not possible to generate in vitro models of alveoli from primary or pluripotent stem cells. This significantly delayed our understanding of the biology of the lung alveolar epithelium. However, recent developments in tissue modelling have greatly advanced research on the development of the alveolar epithelium and its biology in health and disease, including pathologies of the distal airways such as acute lung injury, infections, emphysema, bronchopulmonary dysplasia, surfactant dysfunction and fibrosis. This session will provide attendees with an opportunity to learn about and discuss the latest information regarding the development of the human lung alveolus and the role of mesenchymal-epithelial cell interactions in this process, the in vitro modelling of the human lung alveolar epithelium using induced pluripotent stem cells and the regeneration of the lung alveolus.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Clinical researcher, Critical/Intensive care physician, Pathologist, Scientist (basic, translational), Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Remi Villenave (Boston, United States of America), Pieter S. Hiemstra (Leiden, Netherlands)

- 14:45** **The development of the human lung alveolus**
Marko Nikolic (Cambridge (Cambridgeshire), United Kingdom)
-
- 15:15** **The role of mesenchymal-epithelial cell interactions in the development of the lung alveolus**
Speaker to be confirmed
-
- 15:45** **Using induced pluripotent stem cells to model the human lung alveolar epithelium**
Speaker to be confirmed
-
- 16:15** **The regeneration of the lung alveolus**
Speaker to be confirmed
-

14:45 - 16:45

Poster discussion: Disease exacerbations from a molecular point of view

Disease(s) : Respiratory infections Airway diseases

Method(s) : Cell and molecular biology Physiology Imaging

Chairs : Lydia Finney (London, United Kingdom), Chair to be confirmed

Serum hyaluronidase-1 is increased in COPD exacerbations and is associated with COPD severity and outcomes

Eleni Papakonstantinou (Thessaloniki, Greece), Ioannis Bonovolias, George Karakioulakis, Michael Tamm, Renaud Louis, Branislava Milenkovic, Wim Boersma, Konstantinos Kostikas, Francesco Blasi, Joachim Aerts, Gernot Rohde, Alicia Lakoma, Antoni Torres, Tobias Welye, Daiana Stolz

Modeling exacerbation using ozone exposure in COPD patients: CO3PD pilot study

Mehrdad Arjomandi (San Francisco, United States of America), Sreelakshmi Vasudevan, Hofer Wong, Sarah Dalton, Siyang Zeng

Investigation of the very early immune response in viral induced experimental asthma exacerbation

Rebecca Bodenstein-Sgro (Borstel, Germany), Sina Webering, Michael Wegmann

Club cell secretory protein: a key mediator in Mycoplasma pneumoniae infection.

Julie Ledford (Tucson, United States of America), Stefano Guerra, Fernando Martinez, Monica Kraft

Host defence functions of BPIFA1 against Non-typeable Haemophilus influenzae

Renata Caikauskaitė (Sheffield (South Yorkshire), United Kingdom), Apoorva Mulay, Derek Hood, Steve Brown, James Stewart, Lynne Bingle, Colin Bingle

Murine model for investigating virus-induced exacerbations of COPD-related inflammation – preclinical biomarker validation

Martin Wolff (Sülfeld, Germany), Natalia El-Merhie, Sabine Bartel, Heinz Fehrenbach, Sebastian Reuter, Susanne Krauss-Etschmann

Microarray analysis of poly(I:C) and IL-13 co-stimulated human airway epithelium

Johanna Christine Ehlers (Borstel, Germany), Christina Vock, Heinz Fehrenbach

Human rhinovirus 16 infection of human macrophages impairs internalisation via disrupting the actin cytoskeleton

Jamil Jubrail (Paris, France), Kshanti Africano-Gomez, Floriane Herit, Pierre-Regis Burgel, Lisa Oberg, Elisabeth Israelsson, Kristofer Thorn, Gaell Mayer, Danen Cunoosamy, Nisha Kurian, Florence Niedergang

Human rhinovirus 16 infection of human macrophages impairs their clearance ability by perturbing phagosome maturation

Florence Niedergang (Paris, France), Jamil Jubrail, Kshanti Africano-Gomez, Floriane Herit, Pierre-Regis Burgel, Lisa Oberg, Elisabeth Israelsson, Kristofer Thorn, Gaell Mayer, Danen Cunoosamy, Nisha Kurian

Effect of Hypertonic Saline Solution on cultures of human respiratory epithelium infected by respiratory syncytial virus

Juan Manuel Figueroa (Ciudad Autónoma Buenos Aires, Argentina), Doris Primrose, Andrea Vdugour, Valeria Ochoa, Julieta Bitler, Fernando Erra Diaz

Impairment of respiratory host defence resulting from cigarette smoke-induced changes in airway epithelial cell differentiation

Anne M. van der Does (Leiden, Netherlands), Gimano D. Amatngalim, Jasmijn A. Schrumpf, Fernanda Dishchekian, Tinne C.J. Mertens, Dennis K. Ninaber, Abraham C. Van Der Linden, Charles Pilette, Christian Taube, Pieter S. Hiemstra

Cigarette smoke extracts decrease basal and lipopolysaccharide-induced expression of macrophage receptor with collagenous structure via degradation of p300

KYOUNG-HEE LEE (SEOUL, Republic of Korea), Chang-Hoon Lee, Chul-Gyu Yoo

The activation of NLRP3 inflammasome pathway in COPD is limited in local airways

Juan-Juan Fu (Chengdu (Sichuan), China), Bing Mao, Sheng-Jun Wang, Wei Xiao, Guan-Hong Li, Li-Hua Wu

The effect of double-stranded RNA on extracellular matrix deposition in an in vitro model of the airway mucosa

Chiara Banas (Southampton (Hampshire), United Kingdom), Alison R Hill, Cornelia Blume, Donna Davies, Emily Swindle

The effect of dietary fatty acids on respiratory infection in human lung cells

Sandra Rutting (Sydney (NSW), Australia), Jay Horvat, Lisa Wood, Phil Hansbro, Brian Oliver

Pseudomonas aeruginosa LasB subverts innate immunity in alveolar macrophages and epithelial cells

Saadé Kheir (Paris, France), Bérengère Villeret, Nicolas Serafini, Romé Voulhoux, Ignacio Garcia Verdugo, James Di Santo, Jean-Michel Sallenave

BPI Fold Containing Family A Member 1 (BPIFA1) regulates mucosal microbiota and basal Interferon signaling

Clemente Britto (New Haven, United States of America), Sara Khanal, Bejamin Wu, Yonghua Li, Leopoldo Segal

Blocking IL-20 pathway limits the development of bacteria induced exacerbation in mice chronically exposed to cigarette smoke.

Bachirou Koné (Lille, France), Fahima Madouri, Olivia Barada, Gwenola Kervoeze, Eva Vilain, Muriel Pichavant, Phillip Gosset

14:45 - 16:45

Poster discussion: Occupational and environmental lung diseases: air quality and lung damage

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Epidemiology Respiratory intensive care Cell and molecular biology General respiratory patient care Public health

Chairs : Isabella Annesi Maesano (Paris, France), Rafael E. de la Hoz (New York, United States of America)

Doctor diagnosed asthma and wheeze among Chinese pre-school children in relation to indoor and outdoor air pollution and urbanization

Dan Norback (Uppsala, Sweden), Chan Lu, Juan Wang, Yinping Zhang, Baizhan Li, Zhuohui Zhao, Chen Huang, Xin Zhang, Hua Qian, Yuexia Sun, Jan Sundell, Qihong Deng

Investigation of short-term associations between aeroallergen levels and asthma hospitalizations in Brussels through time series analysis

(), Bianca Cox, Nicolas Bruffaerts, Lucie Hoebeke, Ann Packeu, Marijke Hendrickx, Koen De Cremer, Sandrine Bladt, Olivier Brasseur, An Van Nieuwenhuyse

Relationships between nitrogen dioxide exposure, post-bronchodilator airflow obstruction and gas transfer in middle-age

Jennifer Perret (Melbourne (VIC), Australia), Gayan Bowatte, Luke Knibbs, David Johns, Caroline Lodge, Adrian Lowe, Dinh Bui, Melanie Matheson, Bruce Thompson, Stephen Morrison, Graham Giles, E Haydn Walters, Michael Abramson, Shyamali Dharmage

Occupational and environmental risk factors for Idiopathic Pulmonary Fibrosis in Australia

Michael J. Abramson (Melbourne (VIC), Australia), Tsitsi Murambadoro, Sheik M. Alif, Geza Benke, Shyamali Dharmage, Ian Glaspole, Peter Hopkins, Ryan Hoy, Sonja Klebe, Yuben Moodley, Shuli Rawson, Paul Reynolds, Rory Wolfe, E. Haydn Walters, Tamera J. Corte, F O R The Australian I.P.F. Registry

Diastolic blood pressure effect of traffic-related air pollution: a trial of vehicle filtration

Michael Young (Seattle, United States of America), Karen Jansen, Tim Gould, Coralynn Sack, Laura Hooper, Jim Stewart, Tim Larson, Sverre Vedal, Joel Kaufman

Controlled human exposure study of diesel exhaust on older volunteers with and without COPD

Min Hyung Ryu (Vancouver (BC), Canada), Denise Wooding, Nafeez Syed, Jordan Guenette, Christopher Carlsten

Atmospheric simulation chamber: a versatile tool to get a comprehensive understanding of Air Quality impacts on health in preclinical models

Maeva Zysman (Montreuil, France), Marie-Laure Franco-Montoya, Audrey Der Vartanian, Mathieu Cazenau, Maria Pini, Jean-Francois Doussin, Audrey Ridoux, Sophie Hue, Frederic Relaix, Genevieve Derumeaux, Jorge Boczkowski, Sophie Lanone

Airborne pollen concentrations and daily respiratory disease mortality

Jouni J.K. Jaakkola (Oulu, Finland), Simo-Pekka Kiihamäki, Simo Näyhä, Niilo R.I. Rytty, Maritta S. Jaakkola

Benefits of improved air quality on the aging lungs

Tamara Schikowski (Dusseldorf, Germany), Anke Hüls, Dorothee Sugiri, Michael J Abramson, Barbara Hoffmann, Ursula Krämer

Influence of air pollution residues on the respiratory health of urban public transport drivers in a city of São Paulo State - Brazil

Renata C Rossi (Presidente Prudente (SP), Brazil), Danillo Nascimento Vicente, Camila Sousa Vilela, Isabela Santos Souza, Nathalye Fernanda Pedroso Dirksen, Marcus Vinicius Pimenta Rodrigues

Asthma and selective migration away from farming environments in a three-generation cohort study

Signe Timm (Århus C, Denmark), Morten Frydenberg, Michael Abrahamson, Randi Bertelsen, Lennart Bråbäck, Bryndis Benediktsdottir, Shyamali Dharmage, Bertil Forsberg, Thorarinn Gislason, Mathias Holm, Christer Janson, Rain Jogi, Andrei Malinovschi, José Ramos, Torben Sigsgaard, Cecilie Svanes, Vivi Schlünssen

Influence of air pollution on the number of hospital admissions in a Pneumology service

Ana Cerezo Hernández (Valladolid, Spain), Tomás Ruiz Albi, Andrea Crespo Sedano, Daniel Álvarez González, Raúl López Izquierdo, Ana Gómez García, Noanca Alonso Fernández, Carmen López Represa, Félix Del Campo Matías

Epidemiology of silicosis reported to the SWORD scheme in the UK.

Christopher Barber (Sheffield (South Yorkshire), United Kingdom), David Fishwick, Martin Seed, Melanie Carder, Martie Van Tongeren

Indoor airborne microbiota composition associated with asthma and atopy in rural children

Alejandro Dorado Garcia (Utrecht, Netherlands), Lidwien A.M. Smit, Alex Bossers, Inge M. Wouters, Heike Schmitt, Markus J. Ege, Martin Depner, Susanne Müller-Rompa, Elisabeth Schmaußer-Hechfellner, Michael J. Cox, William Cookson, Miriam Moffatt, Erika Von Mutius, Dick J. Heederik

Active smoking and a past myocardial infarction status induce more vulnerability to urban heat stress in COPD

Christian Witt (Berlin, Germany), Christina Hoffmann, Marc Hanisch, Jana B. Heinsohn, Vanessa Dostal, Melissa Jehn, Uta Liebers, Wulf Pankow, Gavin C. Donaldson

Work-related effects on lung function, small airways and inflammation in hairdressers with airway symptoms – a pilot study

Mona Lärstad (Göteborg, Sweden), Anna-Carin Olin

Parental concern about indoor air quality and symptom reporting in primary schools

Jussi Lampi (Kuopio, Finland), Juho-Joel Nissilä, Sari Ung-Lanki, Kateryna Savelieva, Juha Pekkanen

Lung functional failures of aircraft crew members after “fume event”: diagnostics and biomonitoring

Astrid Heutelbeck (göttingen, Germany), Xaver Baur, Thomas Goen, Naomi Mohr, Frank Powitz, Lygia Therese Budnik

14:45 - 16:45

Poster discussion: Understanding the immunopathology that underlies airway obstructive diseases

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Physiology Imaging

Chairs : Sven-Erik Dahlén (Stockholm, Sweden), Christian Taube (Essen, Germany)

Increased pro-inflammatory regulatory T Cells correlate with the plasticity of T helper cell differentiation in asthma

Jia HOU (, China), Lei Xin, Junjie Gao, Chengxuan Tian, Weirong Ma, Zhigang Tian, Xiwei Zheng

Th-17 cytokine profile in a Greek asthmatic population. Correlation with asthma severity and biomarkers of inflammation.

Kalliopi Domvri (Thessaloniki, Greece), Konstantinos Porpodis, Georgios Tzimagiorgis, Fani Chatzopoulou, Despoina Ioannidou, Evangelia Fouka, Georgios Kyriazis, Theodoros Kontakiotis, Despoina Papakosta

FOXP3 genetic variants are associated with asthma severity in Brazilian women.

Norma Carneiro (Salvador/BA, Brazil), Camila Figueiredo, Bianca Fiuza, Hugo Da Silva, Raimon Da Silva, Tamires Carneiro, Milca Silva, Valdirene Carneiro, Ryan Costa, Jamille Fernandes, Luciana Cardoso, Alvaro Cruz Filho, Hellen Freitas

Variants in IL17A and IL17F are risk factors to uncontrolled asthma

Camila Figueiredo (Salvador (BA), Brazil), Milca Silva, Regina Santos, Icanaã Brandão, Hellen Fonseca, Emilia Medeiros, Luciana Cardoso, Jamille Fernandes, Roberta Espinheira, Neuza Alcantara-Neves, Alvaro Cruz, Ryan Costa

The new approach to understand the role of IL-15 and BMP proteins in asthma remodelling based on methacholine challenge test evidence.

Marcelina Ko win (ód, Poland), Mateusz Jonakowski, Lukasz Mokros, Michal Panek, Janusz Szemraj, Piotr Kuna

Unraveling the role of miR-223-3p in the regulation of airway inflammation in asthma

Mirjam P. Roffel (Groningen, Netherlands), Ilse Boudewijn, Victor Guryev, Corry-Anke Brandsma, Maarten Van Den Berge, Ken Bracke, Tania Maes, Irene Heijink

Mechanisms of impaired anti-bacterial Th1 responses in patients with chronic obstructive pulmonary disease

Dino Tan (Perth (WA), Australia), Dave Singh, Haydn Walters, Peter Wark, Yuben Moodley

Inflammatory mediators in eosinophilic COPD phenotype and asthma with fixed airflow obstruction

Jitsupa Onnipa (Nan, Thailand), Theerasuk Kawamatawong, Dhanesh Pitidhamabhorn, Chavachol Setthaudom

A novel house dust mite-induced asthma model in guinea pigs driven by mast cells

Patricia Ramos Ramirez (Stockholm, Sweden), Malin Noreby, Jielu Liu, Joshua Gregory, Anne Petrn, Henric K. Olsson, Gunnar Nilsson, Sven-Erik Dahlén, Mikael Adner

Mast cell tryptase induce alarmin release and secretion of pro-inflammatory cytokines from bronchial epithelial cells

Sangeetha Ramu (Lund, Sweden), Leif Bjerrmer, Jonas Erjefält, Lena Uller, Cecilia Andersson

Dupilumab shows rapid and sustained suppression of inflammatory biomarkers in corticosteroid (CS)-dependent severe asthma patients in LIBERTY ASTHMA VENTURE

Klaus F. Rabe (Grosshansdorf, Germany), Guy Brusselle, Mario Castro, Lawrence Sher, Hongjie Zhu, Qunming Dong, Jennifer D. Hamilton, William Brian, Alexandre Jagerschmidt, Gianluca Pirozzi, Nikhil Amin, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper

Dupilumab improves mental health measures in patients with chronic rhinosinusitis and nasal polyposis (CRSwNP)

Asif Khan (Chilly-Mazarin, France), Claus Bachert, Robert Naclerio, Peter Hellings, Sophie Guillonneau, Christine Taniou, Jaman Maroni, Paul Rowe, Leda Mannent, Nikhil Amin, Siddhesh Kamat

Dupilumab shows rapid and sustained suppression of inflammatory biomarkers in asthma patients in LIBERTY ASTHMA QUEST

Sally Wenzel (Pittsburgh, United States of America), Ian D. Pavord, Klaus F. Rabe, Alberto Papi, J. Mark Fitzgerald, Alexandre Jagerschmidt, William Brian, Qunming Dong, Brian N. Swanson, Jennifer D. Hamilton, Nikhil Amin, Gianluca Pirozzi, Marcella Ruddy, Bolanle Akinlade, Neil M. H. Graham, Ariel Teper

Triple combination of montelukast or tiotropium and inhaled corticosteroids plus long-acting β_2 -agonist in persistent asthma

Makoto Hoshino (Atami, Japan), Kenta Akitsu, Junichi Ohtawa

Safety profile of a novel peptide, PIN201104, with potential to act as a disease modifying, broad spectrum treatment for asthma

Jeannette Watson (Stevenage (Hertfordshire), United Kingdom), Donata Federici-Canova, Nicky Cooper, Clare Burgess

Bacterial lysates in the prevention of asthma exacerbations in uncontrolled asthma: the Breathe study

Geertje M. de Boer (Rhoon, Netherlands), Gert-Jan Braunstahl, Rudi W. Hendriks, Gerdien A. Tramper

The effect of Mepolizumab for not completely satisfied Omlizumab treated asthmatics.

Motokazu Kato (Osaka, Japan)

Bronchoalveolar lavage transcriptome and eicosanoid profiles reveal heterogeneity of lower airway inflammation in aspirin-exacerbated respiratory disease (AERD)

Grażyna Bochenek (Kraków, Poland), Bogdan Jakie a, Anna Gielicz, Hanna Plutecka, Marek Przybykowski, Jerzy Soja, Krzysztof Sadek

14:45 - 16:45

Poster discussion: Clinical determinants of asthma and biomarkers

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Public health Physiology Endoscopy and interventional pulmonology

Chairs : Fabiano Di Marco (Trezzaano Sul Naviglio (MI), Italy)

Late onset asthma: A distinct phenotype

Anastasia Papaportfyriou (Mandra, Greece), Georgios Hillas, Andriana Papaioannou, Konstantinos Kostikas, Elissavet Konstantelou, Eleni Tseliou, Nikolaos Koulouris, Spyridon Papiris, Petros Bakakos, Stelios Loukides

Clustering of adherence variability metrics and clinical outcomes in asthma

Jacqueline Huvanandana (Sydney (NSW), Australia), Helen Reddel, Chinh Nguyen, Juliet Foster, Urs Frey, Cindy Thamrin

New-onset asthma in adults; does the trigger predict outcome?

Hanneke Coumou (Amsterdam, Netherlands), Guus Westerhof, Selma De Nijs, Marijke Amelink, Elisabeth Bel

Treatment of multimorbid asthma patients in structured care. Results from the Disease Management Program (DMP) Bronchial Asthma in the North Rhine region in Germany.

Arne Weber (Köln, Germany), Sabine Groos, Jens Kretschmann, Christine Macare, Bernd Hagen

Sputum eosinophils vary by time of day in severe asthma: Implications for management

Gael Tavernier (Manchester (Greater Manchester), United Kingdom), Steve, J Fowler, Dave Allen, Angela Simpson, Hannah Durrington, Robert Niven

Analysis of wheezing in patients with partially controlled bronchial asthma during intrabronchial auscultation

Irina Ponomareva (Ryazan, Russian Federation), Vladimir Abrosimov, Sergei Glotov, Yuriy Petrov

The Value of Voluntary Cough Sounds for Diagnosis of Pulmonary Disease

Richard Fletcher (Cambridge, United States of America), Christian Infante, Yogesh Thorat, Vandana Vincent, Sundeep Salvi

Healthcare resource utilisation (HRU) in the Asthma Salford Lung Study (SLS asthma)

Dominy Browning (London, United Kingdom), Nawar Diar Bakerly, John P New, Norman Stein, Henrik Svedstater, David A Leather, James Lay-Flurrie, Joanne Fletcher

Serum Surfactant Protein D is decreased by oral steroids in asthma but not COPD

Rose-Marie Mackay (Southampton (Hampshire), United Kingdom), Howard Clark, Laurie Lau, Anna James, Maciej Kupeczyk, Sven-Erik Dahlén, Peter Howarth

Small airway dysfunction in asthma: a real life study

Alvise Berti (Milan, Italy), Anita Licini, Carlo Lombardi, Marcello Cottini

Reduced lung function and exhaled lining fluid from small airways

Jeong-Lim Kim (Gothenburg, Sweden), Emilia Viklund, Helen Friberg, Hatice Koca Akdeva, Anna-Carin Olin

Effects of physiological variation on parameter estimates in a dynamic model of FeNO

Patrick Muchmore (Pasadena, United States of America), Sandrah Eckel, Edward Rappaport, Yue Zhang, Erika Garcia, Kiros Berhane, William Linn, Noa Molshatski, Rima Habre, Frank Gilliland

Effects of aerobic exercise on asthma control in eosinophilic asthma patients: a randomized controlled trial

Annie-Claude Jalbert (Boucherville, Canada), Kim Lavoie, Simon Bacon

Treatment decisions with an exhaled nitric oxide (eNO)-based algorithm vs a symptoms-based algorithm for asthma in pregnancy

Vanessa E. Murphy (Callaghan, Australia), Heather Powell, Celeste Porsbjerg, Peter Gibson

Identification of treatable traits in a severe asthma registry: prevalence and exacerbation predictors

Vanessa M. McDonald (Newcastle (NSW), Australia), Sarah A. Hiles, Krystelle Godbout, Erin S. Harvey, Guy B. Marks, Mark Hew, Matthew Peters, Philip Bardin, Paul N. Reynolds, John W. Upham, Melissa Baraket, Zaheerodin Bhikoo, Jeffrey Bowden, Ben Brockway, Li Ping Chung, Belinda Cochrane, Gloria Foxley, Jeffrey Garrett, Lata Jayaram, Christine Jenkins, Constance Katelaris, Gregory Katsoulotos, Mariko S. Koh, Vicky Kritikos, Marina Lambert, David Langton, Alexis Lara Rivero, Peter Middleton, Aldoph Nanguzgambo, Naghme Raghakrishna, Helen Reddel, Janet Rimmer, Anne Marie Southcott, Michael Sutherland, Francis Thien, Peter Wark, Ian A. Yang, Elaine Yap, Peter G. Gibson

Evaluation of inflammatory markers MMP-2 and TIMP-1 in Asthma

Kirankumar Sivakoti (miryalguda, India), Chaya S.K., Jayaraj B.S., Lokesh K.S., Vivek Vardhan Veerapaneni, Subbarao Madhunapantula, Mahesh Pa

Small airway dysfunction in elderly patient with asthma: a real life study

Alvise Berti (Milan, Italy), Anita Licini, Carlo Lombardi, Marcello Cottini

Asthma control and asthma severity in relation to sleep disturbances: Results of the LifeGene study
Fredrik Sundbom (Uppsala, Sweden), Andrei Malinovski, Eva Lindberg, Catarina Almqvist, Christer Janson

14:45 - 16:45

Poster discussion: Biomarkers and lung function in airway disease

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Imaging Epidemiology Physiology

Chairs : Arschang Valipour (Wien, Austria), Andre Nyberg (Umeå, Sweden)

The two sides' view of asthma-COPD overlap: a real life population approach.

Núria Toledo Pons (Palma De Mallorca, Spain), Job F.M. Van Boven, Miguel Román-Rodriguez, José Luis Valera, Aina Millán Pons, Borja B. Cosío

Airways mucus pathogenesis in patients with non-cystic fibrosis bronchiectasis

Kathryn Ramsey (Chapel Hill, United States of America), Giorgia Radicioni, David Hill, Camille Ehre, Brian Button, Neil E Alexis, Michael Knowles, Scott Donaldson, Mehmet Kesimer, Michael McGuckin, Richard Boucher

Associations between PCD-specific health-related quality of life (QOL-PCD) outcomes and clinical measures

Helene Kobbernagel (København Ø, Denmark), Frederik F. Buchvald, Laura Behan, Jane S. Lucas, Eric G. Haarman, Niels W. Rutjes, Anika Gross, Heimut Omran, Claire Hogg, Carmen Casaulta, Claudia E. Kuehni, Samuel A. Collins, Maria C. Philipsen, Alexandra L. Quittner, Kim G. Nielsen

Change of mucus rheology in patients with Cystic Fibrosis, COPD and Asthma

Jeremy PATARIN (Saint Martin D'Herès, France), Etienne Ghiringhelli, Claire Cracowski, Boubou Camara, Sebastien Quétant, Cécile Bosc, Christophe Pison, Jean-Luc Cracowski

Prognostic value of FeNO-guided assessment to identify steroid-responsive respiratory symptoms

Josh Brewin (Milton Keynes, United Kingdom), Kay Wang, Jan Verbakel, Alex Fleming-Nouri, Jason Oke, Ian Pavord, Mike Thomas

Transforming growth factor-β1 and Matrix Metalloproteinase-9 as factors of airway remodeling among asthmatic patients

Vladyslava Kmyta (Sumy, Ukraine), Liudmyla Prystupa

The Inhaler Proficiency Score: a useful and valid tool for the assessment of good inhaler technique

Breda Cushen (Dublin 11, Ireland), Garrett Greene, Fiona Lannon, Seamus Cowman, Lisa Mellon, Richard W Costello, Elaine Mac Hale

¹²⁹Xenon-enhanced magnetic resonance imaging to understand particle exhalation from the human lung

Olaf Holz (Hannover, Germany), Agilo Kern, Heike Biller, Anna-Carin Olin, Jens Vogel-Claussen, Jens M. Hohlfeld

Clinical relevance of small airways assessment by lung function tests in asthma

Chloé Depoortère (Phalempin, France), Thierry Perez, Cécile Chenivresse, Stéphanie Fry

Comparison between Impulse oscillometry and Resmon Pro and the use of inspiratory parameters

Linnea Jarenbäck (Gantofta, Sweden), Leif Bjermer, Ellen Tufvesson

FEV1/FEV3 ratio as an alternative to fixed ratio of FEV1/FVC

Adam Biaś (Łódź, Poland), Kamil Kornicki, Maciej Ciebiada, Joanna Milkowska - Dymanowska, Wojciech Piotrowski, Adam Antczak, Paweł Gorski

Ordinal scales are not accurate to assess and measure respiratory rates in children

Will Daw (Sheffield (South Yorkshire), United Kingdom), Ruth Kingshott, Heather Elphick

Serum levels of IL-5, IL-6 and IL-8 in moderate and severe asthma clusters

Denitsa Dimitrova (Sofia, Bulgaria), Vania Youroukova, Tsvetelina Velikova, Kalina Tumangelova-Yuzeir

Biomarker-assisted characterisation of non-type 2 disease in young asthmatics

Nikolaos Tsolakis (Uppsala, Sweden), Andrei Malinovski, Christer Janson, Kjell Alvin

Blood eosinophils and exacerbation rate in COPD patients over three years

Robson Aparecido Prudente (Botucatu (SP), Brazil), Carolina Mesquita, Renata Ferrari, Estefânia Franco, Suzana Tanni

Ergoreflex and the method of assessing the functional status in patients with COPD

Irina Ponomareva (Ryazan, Russian Federation), Alexey Kosyakov, Vladimir Abrosimov

Prognostic factors in severe eosinophilic asthma

Filipe Gonçalves Dos Santos Carvalho (, Spain), Clara Padró Casas, María Basagaña Torrente, Marisa Rivera Ortun, María Del Mar Martínez Colls, Carlos Pollan Guisasaola, Alicia Francoso Vicente, Eva Martínez Cáceres, Aina Teniente, Albert Roger, Juan Ruiz Manzano, Carlos Martínez Rivera

14:45 - 16:45

Poster discussion: Primary ciliary dyskinesia and lung function tests in respiratory morbidities

Disease(s) : Respiratory infections Airway diseases

Method(s) : Epidemiology General respiratory patient care Surgery Public health Physiology

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), Myrofora Goutaki (Bern, Switzerland)

Do changes in spirometric indices and FeNO predict asthma outcomes in children? An individual patient data analysis using results from seven FeNO trials

Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Shona Fielding, Marielle Pijnenburg, Johan De Jongste, Katy Pike, Graham Roberts, Helen Petsky, Anne Chang, Maria Fritsch, Thomas Frischer, Stan Szeffler, Peter Gergen, Francoise Vermeulen, Robin Vael

Reduced first trimester fetal size and asthma outcomes to age 29 years – results from a “virtual” birth cohort

Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Lorna Aucott

Associations of maternal Chlamydia trachomatis infection with wheezing, lung function and asthma in children.

Evelien R. van Meel (Rotterdam, Netherlands), Marina Attanasi, Irwin K. Reiss, Henriëtte A. Moll, Johan C. De Jongste, Vincent W.V. Jaddoe, Liesbeth Duijts

Lung function and oral health in adolescents

Joachim Heinrich (München, Germany), Elisabeth Thiering, Rudolf Jörres, Holger Schulz, Jan Kühnisch, Marie Standl

Prenatal exposure to organochlorine compounds and lung function until early adulthood

Maribel Casas (Barcelona, Spain), Alicia Abellan, Raquel Garcia, Maties Torrent, Céline Roda, Mireia Gascón, Amparo Ferrero, Maria-Jose Lopez-Espinosa, Carlos Zabaleta, Mikel Basterrechea, Joan Grimalt, Judith Garcia-Aymerich, Martine Vrijheid, Jordi Sunyer

Prenatal exposure to perfluoroalkyl substances and immune and respiratory outcomes

Maribel Casas (Barcelona, Spain), Cyntia B. Manzano-Salgado, Berit Granum, Maria-Jose Lopez-Espinosa, Ferran Ballester, Carmen Iñiguez, Mireia Gascon, David Martinez, Mónica Guxens, Mikel Basterretxea, Carlos Zabaleta, Thomas Schettgen, Jordi Sunyer, Martine Vrijheid

Longitudinal changes in spirometry in perinatally HIV-infected adolescents on antiretroviral therapy in Cape Town, South Africa

Leah Githinji (Cape Town, South Africa), Diane Gray, Siphon Hlengwa, Takwanisa Machemedze, Landon Myer, Heather Joy Zar

Associations between early life exposure to pollen and adolescent lung function are modified by residential greenness

Katrina Anne Lambert (Bundoora, Australia), Caroline Lodge, Luke A Prendergast, Gayan Bowatte, Adrian Lowe, Matthias Wjst, Michael J Abramson, Shyamali C Dharmage, Bircan Erbas

Prevalence of exercise-induced bronchoconstriction and exercise-induced laryngeal obstruction in adolescents attending national sports high school

Henrik Johansson (Uppsala, Sweden), Karin Ersson, Andrei Malinowski, Elisabet Mallmin, Katarina Norlander, Leif Nordang

Infant lower respiratory tract illness reduces lung function at 2 years in African children

Diane Gray (Cape Town, South Africa), Lidija Turkovic, Lauren Mcmillan, Carvern Jacobs, Jacobus A Stadler, Aneesa Vanker, Zoltan Hantos, Dorettya Czovek, Peter D Sly, Graham L Hall, Heather J Zar

Neonatal manifestations in Primary Ciliary Dyskinesia: a multinational cohort study

Myrofora Goutaki (Bern, Switzerland), Florian S. Halbeisen, Agatha C. Wisse, Israel Amirav, Angelo Barbato, Carmen Casaulta, Suzanne Crowley, Eric G. Haarman, Robert A. Hirst, Bulent Karadag, Jane S. Lucas, Lucy Morgan, Ugur Ozcelik, Santiago Ueros, Panayiotis Yiallourous, Zorica Zivkovic, Philipp Latzin, Claudia E. Kuehni

Accuracy of high-speed video microscopy to diagnose primary ciliary dyskinesia

Bruna Rubbo (Southampton (Hampshire), United Kingdom), Isabel Reading, Amelia Shoemark, Claire Jackson, Robert A. Hirst, James Thompson, Joseph Hayes, Emily Frost, Fiona Copeland, Christopher O'Callaghan, Claire Hogg, Jane S. Lucas

Prevalence and Impact of Lung Resection in Primary Ciliary Dyskinesia: a cohort and nested case-control study

Panayiotis Yiallourous (Aglania (Nicosia), Cyprus), Panayiotis Kouis, Myrofora Goutaki, Florian S. Halbeisen, Ifigeneia Gioti, Nicos Middleton, Israel Amirav, Angelo Barbato, Laura Behan, Mieke Boon, Nagehan Emiralioğlu, Eric Haarman, Bulent Karadag, Cordula Koerner-Rettberg, Romain Lazor, Michael R. Loebinger, Bernard Maitre, Henryk Mazurek, Lucy Morgan, Kim Gjerum Nielsen, Heymut Omran, Ugur Özçelik, Mareike Price, Andrzej Pogorzelski, Deborah Snijders, Guillaume Thouvenin, Claudius Werner, Zorica Zivkovic, Claudia E. Kuehni

Clinical features & management of 334 children with primary ciliary dyskinesia in the English National Cohort

Woolf Walker (Southampton (Hampshire), United Kingdom), Bruna Rubbo, Sunayna Best, Robert Hirst, Florian Gahleitner, Siobhan B Carr, Philip Chetcuti, Claire Hogg, Priti Kenia, Jane S Lucas, Eduardo Moya, Manjith Narayanan, Christopher O'Callaghan, Michael Williamson

Measurement of volatile organic compounds in exhaled breath of children of the ALL Age Asthma Cohort

Oliver Fuchs (Bern, Switzerland), Maximilian Ehrmann, Erika Von Mutius, Gesine Hansen, Matthias Kopp, Jens M Hohlfeld, Olaf Holz

Early life home indoor bacterial and fungal microbiota measured with amplicon sequencing and risk of asthma by the age of 10.5 years

Juha Pekkanen (Helsingin yliopisto, Finland), Martin Täubel, Pirkka Kirjavainen, Anne Hyvärinen, Sami Remes, Erika Von Mutius, Anne Karvonen, Paul Mercer (paul.mercer@ucl.ac.uk / UCL, London), Rachel Chambers (r.chambers@ucl.ac.uk / UCL, London)

An observational study of incident diagnoses of children's diffuse parenchymal lung disease (ChILDEU)

Steve Cunningham (Edinburgh (Scotland), United Kingdom), Cat Graham, Morag Maclean, Paul Aurora, Michael Ashworth, Alistair Calder, Annick Clement, Meike Hengste, Nural Kiper, Katarzyna Krenke, Joanna Lange, Andrew Nicholson, Simone Reu, Deborah Snijders, Andrew Bush, Nico Schwerk, Matthias Griesse

Symptoms of vocal cord paresis among children born extremely premature with- or without PDA ligation. A Norwegian national cohort study.

Merete S. Engeseth (Bergen, Norway), Silje Maeland, Hege Clemm, Maria Vollsæter, Mette Engan, Thomas Halvorsen, Ola Røksund

14:45 - 16:45

Oral presentation: Chronic thromboembolic pulmonary hypertension

Disease(s) : Pulmonary vascular diseases

Method(s) : Physiology General respiratory patient care Cell and molecular biology Epidemiology Surgery

Chairs : Gérald Simonneau (Le Kremlin-Bicêtre, France), Marion Delcroix (Leuven, Belgium)

14:45 Pulmonary denervation is a new alternative non-pharmacological treatment for residual pulmonary hypertension after pulmonary endarterectomy
Alexander Edemskiy (Novosibirsk, Russian Federation), Alexander Chernyavskiy, Boris Rudenko, Natalya Novikova, Alexander Romanov

15:00 Balloon pulmonary angioplasty (BPA) for inoperable chronic thromboembolic pulmonary hypertension (CTEPH)
Xavier Jais (Le Kremlin-Bicêtre, France), Philippe Brenot, Yu Taniguchi, Carlos Garcia, Olivier Planché, Benoit Gérardin, Sacha Mussot, Olaf Mercier, Mitja Jevnikar, Laurent Savale, Florence Parent, Olivier Sitbon, David Montani, Marc Humbert, Elie Fadel, Gérald Simonneau

15:15 Survival in medically treated chronic thromboembolic pulmonary hypertension patients
Marion Delcroix (Leuven, Belgium), Gerd Staehler, Henning Gall, Ekkehard Grünig, Matthias Held, Michael Halank, Hans Klose, Anton Vonk-Noordegraaf, Stephan Rosenkranz, Joanna Pepke-Zaba, Christian Opitz, Simon Gibbs, Tobias Lange, Iraklis Tsangaris, Doerte Huscher, David Pittrow, Karen Olsson, Marius Hoepfer

15:30 Factors associated with survival in patients with not-operated chronic thromboembolic pulmonary hypertension (CTEPH) in the modern management era
Yu Taniguchi (Paris, France), Xavier Jais, Athénaïs Boucly, Jason Weatherald, Mitja Jevnikar, Philippe Brenot, Olivier Planché, Florence Parent, Laurent Savale, Elie Fadel, David Montani, Gérald Simonneau, Marc Humbert, Olivier Sitbon

15:45 Macitentan in chronic thromboembolic pulmonary hypertension (CTEPH): experience from the OPUS registry
Nick Kim (La Jolla, United States of America), Richard Channick, Vallerie McLaughlin, John McConnell, David Poch, Monika Brand, Erwan Muros-Le Rouzic, Mona Selej, Kelly Chin

16:00 Endothelial progenitor cells in chronic thromboembolic pulmonary hypertension
Keiko Yamamoto (Chiba, Japan), Rintaro Nishimura, Akira Naito, Fumiaki Kato, Rika Suda, Takayuki Jujo Sanada, Seiichiro Sakao, Nobuhiro Tanabe, Koichiro Tatsumi

16:15 Local inhibition of angiogenesis combined with repeated blood clot embolization induces chronic thromboembolic pulmonary hypertension in rabbits
Rozenn Quarck (Leuven, Belgium), Allard Wagenaar, Birger Tieleman, Pedro Mendes-Ferreira, Frederic Perros, Peter Dorfmueller, Catharina Belge, Marion Delcroix

14:45 - 16:45

Oral presentation: Interventional pulmonology highlights in 2018: ELVR, TLD and BT

Disease(s) : Airway diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Imaging

Chairs : Peter I. Bonta (Amsterdam, Netherlands), Pallav L. Shah (London, United Kingdom)

14:45 A double-blind, randomized, sham-controlled study of Targeted Lung Denervation in patients with moderate to severe COPD
Dirk-Jan Slebos (Groningen, Netherlands), Pallav Shah, Felix Herth, Christophe Pison, Christian Schumann, Romain Kessler, Peter Bonta, Wolfgang Gesierich, Ralph-Harto Hubner, Kaid Darwiche, Bernd Lamprecht, Thierry Perez, Dirk Skowasch, Gaetan Deslee, Arschang Valipour

15:00 Use of Ventilation-Perfusion Single-Photon Emission Computed Tomography (VQ SPECT) to Select the Target Lobe for Endobronchial Valves Lung Volume Reduction (EBV-LVR)
Vanessa Sze Theen Tee (Adelaide, Australia), Phan Nguyen, Dion Grosser, Hubertus Jersmann, Benjamin Crouch, Ghee Chew

15:15 Characterization of Chartis Phenotypes based on fissure completeness scores
Christoph Ruwwe-Glösenkamp (Berlin, Germany), Theilig Dorothea, Felix Döllinger, Temmesfeld-Wollbruck Temmesfeld-Wollbruck, Stefan Hippenstiel, Suttorp Norbert, Ralf-Harto Huebner

15:30 Twelve-month positive outcomes of Zephyr endobronchial valves in severe emphysema patients: LIBERATE trial
Dirk-Jan Slebos (Groningen, Netherlands), Shawn Wright, Richard Sue, Mark Dransfield, Hiram Rivas-Perez, Tanya Wiese, Frank Sciurba, Pallav Shah, Momen Wahidi, Hugo De Oliveira, Brian Morrissey, Paulo Cardoso, Steven Hays, Adnan Majid, Nicholas Pastis, Lisa Kopas, Mark Vollenweider, Paul M. Mcfadden, Michael Machuzak, David Hsia, Arthur Sung, Nabil Jarad, Malgorzata Kornaszewska, Stephen Hazelrigg, Ganesh Krishna, Nick Ten Hacken, Narinder Shargill, Gerard Criner

15:45 Airway smooth muscle mass reduction after Bronchial Thermoplasty in asthmatics correlates with FEV1.
Julia N.S. d'Hooghe (Amsterdam, Netherlands), Annika W.M. Goorsenberg, Nick H.T. Ten Hacken, Els J.M. Weersink, Joris J.T.H. Roelofs, Thais Mauad, Pallav L. Shah, Jouke T. Annema, Peter I. Bonta

16:00 Acute Airway Effects of Bronchial Thermoplasty Assessed by Optical Coherence Tomography (OCT)
Annika W.M. Goorsenberg (Amsterdam, Netherlands), Julia N.S. D'Hooghe, Daniel M. De Bruin, Inge A.H. Van Den Berk, Jouke T. Annema, Peter I. Bonta

16:15 Bronchodilator responsiveness as a success predictor for bronchial thermoplasty
David Langton (Frankston (VIC), Australia), Alvin Ing, David Fielding, Wei Wang, Virginia Plummer, Francis Thien

14:45 - 16:45

Oral presentation: Epidemiology, phenotypes and cardiometabolic comorbidities of obstructive sleep apnoea

Disease(s) : Sleep and breathing disorders

Method(s) : Epidemiology General respiratory patient care Public health Physiology

Chairs : Jean-Louis Pépin (Grenoble, France), Chair to be confirmed

14:45 Hypoxia and cardiovascular comorbidity in the ESADA OSA patients with insomnia symptoms
Ulla Anttalainen (Paimio, Finland), Jan Hedner, Silke Ryan, Renata Riha, Ingo Fietze, Richard Staats, Ludger Grote, Tarja Saaresranta

15:00 Sleep determinants of incident hypertension in a population-based cohort: the CoLaus/HypnoLaus study
Raphael Heinzer (Lausanne, Switzerland), CAMILA HIROTSU, Pedro Marques-Vidal, Peter Vollenweider, Gérard Waeber, Monica Betta, Giulio Bernardi, Francesca Siclari, Jose Haba-Hubio

15:15	Mild obstructive sleep apnoea (OSA) and arterial hypertension in the European Sleep Apnoea Database (ESADA) cohort study. Izolde Bouloukaki (Heraklion (Crete), Greece), Paschalis Steiropoulos, Marisa Bonsignore, Walter McNicholas, Jan Hedner, Ludger Grote, Oreste Marrone, Johan Verbraecken, Ozen Basoglu, Gianfranco Parati, Carolina Lombardi, Athanasia Pataka, Sophia Schiza
15:30	Polysomnographic characteristics and cardiac function in coronary artery disease patients with nonsleepy obstructive sleep apnoea Yuksel Peker (Istanbul, Turkey), Baran Balcan, Helena Glantz, Erik Thunström
15:45	Depression and response to CPAP treatment in coronary artery disease patients with sleepy vs nonsleepy obstructive sleep apnoea Baran Balcan (ISTANBUL, Turkey), Erik Thunström, Yuksel Peker
16:00	THE ASSOCIATION OF BRAIN-DERIVED NEUROTROPHIC FACTOR GENE POLYMORPHISM WITH OBSTRUCTIVE SLEEP APNEA SYNDROME and OBESITY Nuri Tutar (Kayseri, Turkey), Mehmet YüKsekkaya, Munis DüNdar, Insu Yilmaz, Inci Gulmez, Fatma Sema Oymak, Burhan Balta, Keziban Korkmaz
16:15	Obstructive sleep apnea as risk factor for incident metabolic syndrome: a multicentric prospective epidemiological study CAMILA HIROTSU (São Paulo, Brazil), Jose Haba-Hubio, Pedro Marques-Vidal, Sonia Togeiro, Peter Vollenweider, Gérard Waeber, Martin Preisig, Lia Bittencourt, Sergio Tufik, Raphael Heinzer

14:45 - 16:45

Oral presentation: Cystic fibrosis: diagnosis and monitoring

Disease(s) : Airway diseases Respiratory infections

Method(s) : General respiratory patient care Imaging Physiology

Chairs : Alex Horsley (Manchester, United Kingdom), Chair to be confirmed

14:45	Do deviations in tidal breathing impact multiple breath washout measurements? Reginald McDonald (Toronto (ON), Canada), Sanja Stanojevic, Renee Jensen, Felix Ratjen
15:00	Lung clearance index and lung ultrasound in cystic fibrosis children Ioana Mihaela Ciuca (Timisoara (Timis), Romania), Mihaela Dediu, Liviu Laurentiu Pop
15:15	Repeatability of ventilation and perfusion assessment by functional MRI in children with CF Sylvia Nyilas (Bern, Switzerland), Grzegorz Bauman, Orso Pusterla, Enno Stranzinger, Kathryn Ramsey, Florian Singer, Sophie Yammine, Carmen Casaulta, Oliver Bieri, Philipp Latzin
15:30	The effect of inhaled lung volume on ventilation heterogeneity in CF using 3He MRI Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Guilhem Collier, Helen Marshall, Paul Hughes, Jody Bray, Oliver Rodgers, Ina Aldag, Noreen West, Martin Wildman, Alex Horsley, Jim Wild
15:45	Comparison between the 1-minute sit-to-stand test and quadriceps strength in patients with cystic fibrosis Sophie Hardy (Gembloux, Belgium), Silvia Berardis, Gregory Reychler, Sophie Gohy
16:00	Glycaemic variability indices are associated with increased pulmonary function decline in people with cystic fibrosis Freddy Frost (Liverpool (Merseyside), United Kingdom), Paula Dyce, Dennis Wat, Martin Walshaw, Dilip Nazareth

14:45 - 16:45

Oral presentation: Bronchiectasis: phenotypes, endotypes and new therapies

Disease(s) : Airway diseases Respiratory infections

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology Respiratory intensive care

Chairs : Menno M. van der Eerden (Rotterdam, Netherlands), Anne Bernadette Chang (Brisbane (QLD), Australia)

14:45	Antimicrobial peptides and airway bacterial colonization in bronchiectasis Oriol Sibila (Barcelona, Spain), Lidia Perea, Elisabet Cantó, Guillermo Suarez-Cuartin, Ana Rodrigo-Troyano, Leonardo Terranova, Martina Oriano, Jordi Giner, Silvia Vidal, Stefano Aliberti, James D Chalmers
15:00	Heterogeneous impact of sputum supernatant on neutrophil phagocytosis in bronchiectasis Holly Rachael Keir (Dundee (Angus), United Kingdom), Diane Cassidy, Megan Crichton, Simon Finch, James D Chalmers

- 15:15** **Effects of gastro-oesophageal reflux and pulmonary micro-aspiration in bronchiectasis**
Melissa McDonnell (Oranmore (Co Galway), Ireland), Jeeban Das, Daniel O'Toole, Adil Aldrahani, Bernard Verdon, Matthew Wilcox, Jeffrey Pearson, James Lordan, Anthony De Soyza, Najwa Sousi, James Chalmers, John Laffey, Michael Loebinger, Chris Ward, Robert Rutherford
-
- 15:30** **Determinants of quality of life in bronchiectasis using the quality of life bronchiectasis (QOL-B) questionnaire: data from the EMBARC registry**
Eva Polverino (Barcelona, Spain), Francesco Blasi, Felix Ringshausen, Antony De Soyza, Montserrat Vendrell, Pieter Goeminne, Wim Boersma, Charles Haworth, Marlene Murris, Katerina Dimakou, Michael Loebinger, Rosasio Menendez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James Chalmers
-
- 15:45** **Phenotypes in Bronchiectasis from the EMBARC India Registry**
Raja Dhar (Kolkata (West Bengal), India), Sheetu Singh, Deepak Talwar, Sagar Chandrashekariah, Surya Kant, Rajesh Swarnakar, Srinivas Rajagopala, George D'Souza, Padmanabhan Arjun, Shubham Sharma, Archana Baburao, P.A Mahesh, Sonali Trivedi, Babaji Ghewade, Aditya Jindal, Girija Nair, Gayathri Devi H.J, Kripesh Sarmah, Honney Sawhney, Kaushik Saha, Arjun Khanna, Samir Gami, Anantharaj Suresh, Arpan Shah, Naveen Dutt, Arti Shah, Himanshu Garg, Sunil Vyas, K Venugopal, Rajendra Prasad, Saurabh Karmakar, Virendra Singh, Shivani Saxena, Preethi Vasudev, B.S Jayaraj, Rahul Kungwani, Akanksha Das, Palak Shah, Anshul Mangla, Nikita Jajodia, Harsh Saxena, Leena Johnson, Sneha Limaye, Sundeep Salvi, Stefano Aliberti, James Chalmers
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- 16:00** **The clinical impact of pseudomonas aeruginosa eradication in bronchiectasis in a Dutch center of expertise**
Menno M. van der Eerden (Rotterdam, Netherlands), A.L.P. Pieters, Marleen Bakker, R.A.S. Hoek, Josje Altenburg, J.G.J.V. Aerts
-
- 16:15** **Reduction of pulmonary exacerbations in two phase 3 Trials: in-depth analyses**
David Cipolla (san ramon (CA), United States of America), Angela Davis, Juergen Froehlich, Igor Gonda, Bruce Thompson

14:45 - 16:45

Oral presentation: Advanced profiling of immune cells in chronic lung diseases**Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Cell and molecular biology General respiratory patient care**Chairs :** Mirjam Kool (Rotterdam, Netherlands), Simon D. Pouwels (Groningen, Netherlands)

- 14:45** **High dimensional single cell analysis reveals unexpected immune cell types, and loss of motility and chemokine receptor expression of alveolar macrophages in chronic obstructive respiratory disease**
Wataru Fujii (Bonn, Germany), Kevin Bassler, Theodoros Kapellos, Carmen Pizarro, Johanna Klein, Dirk Skowasch, Joachim L. Schultze
-
- 15:00** **Analysis of Immunoglobulin A and M gene expression and plasma cells in bronchial tissue from COPD patients with high blood eosinophil counts**
Thomas Southworth (Manchester (Greater Manchester), United Kingdom), Umme Kolsum, Andrew Higham, Sriram Sridhar, Tuyet-Hang Pham, Paul Newbold, Dave Singh
-
- 15:15** **Lung dendritic cells correlate to small airway abnormality & lung CD4+ T cells: SPIROMICS bronchoscopy study**
Mohamed Kady (Ann Arbor, United States of America), Stephanie Christenson, Valerie Stolberg, Melissa Bates, Wassim Labaki, Neil Alexis, Igor Barjaktarevic, Graham Barr, Eugene Bleecker, Richard Boucher, Russell Bowler, Christopher Cooper, David Couper, Claire Doerschuk, Meilan Han, Nadia Hansel, Annette Hastie, Eric Hoffman, Robert Kaner, Fernando Martinez, Deborah Meyers, Wanda O'Neal, Robert Paine, Nirupama Putcha, Micheal Wells, Prescott Woodruff, Christine Freeman, Jeffrey Curtis
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- 15:30** **Circulating MDSC modulate IPF progression by orchestrating immunosuppressive and pro-fibrotic networks**
Isis Enlil Fernandez (München, Germany), Flavia R. Greiffö, Riti Roi, Jürgen Behr, Alistair Forrest, Oliver Eickelberg
-
- 15:45** **Type-2 CD8+ T lymphocytes responsive to PGD2/LTE4 in severe eosinophilic asthma**
Timothy Hinks (Oxford, United Kingdom), Bart Hilvering, Linda Stoger, Emanuele Marchi, Maryam Salimi, Rahul Shrimanker, Wie Lu, Wentao Chen, Jian Luo, Simei Go, Timothy Powell, Jennifer Cane, Samantha Thulborn, Ayako Kurioka, Tianqi Leng, Jamie Matthews, Clare Connolly, Catherine Borg, Mona Bafadhel, Christian Willberg, Adaikalavan Ramasamy, Ratko Djukanovic, Graham Ogg, Ian Pavord, Luzheng Xue

08:30 - 10:30

Symposium: Antimicrobial host defence and innate immunity in the lung

Aims : to present the latest developments in the research on innate immunity and antimicrobial peptides, which are crucial players in the host defence against respiratory infections and chronic inflammatory lung diseases. Antimicrobial peptides are increasingly referred to as host defence peptides because they have direct antimicrobial activity, can modulate immune responses and function in wound repair. These peptides have been implicated in a variety of lung diseases, including asthma, chronic obstructive pulmonary disease (COPD) and cystic fibrosis.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Clinical researcher, Pathologist, Scientist (basic, translational), Student, Adult pulmonologist/Clinician

Chairs : Graham H. Bothamley (London, United Kingdom), Neeloffer Mookherjee (Winnipeg (MB), Canada)

08:30 Cationic host defence peptides as a novel treatment for respiratory viral infections
Donald J. Davidson (Edinburgh (Edinburgh), United Kingdom)

09:00 Dysregulation of the expression and activity of antimicrobial peptides in COPD and cystic fibrosis
Gimano Amatngalim (Utrecht, Netherlands)

09:30 Antimicrobial peptides, vitamin D and tuberculosis
Rubhana Raqib (Dhaka, Bangladesh)

10:00 Role of interleukin-22 in the respiratory host defence against infections
Mustapha Si-Tahar (Tours, France)

08:30 - 10:30

Symposium: State of the art session: Paediatric respiratory diseases

Aims : This session will provide clinicians with practical take-home messages regarding the key management and health policy issues that relate to the respiratory health of children and young people.

Disease(s) : Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee

Chairs : Bülent Taner Karadag (Istanbul, Turkey), Ricardo Miguel Ribeiro Marques Cunha Fernandes (Lisboa, Portugal)

08:30 Bacterial pneumonia in children: a global perspective
Rebecca Nantanda (Kampala, Uganda)

09:00 E cigarettes and children: should we be concerned?
Alexander Larcombe (Perth (WA), Australia)

09:30 Primary ciliary dyskinesia
Jane Lucas (Southampton (Hampshire), United Kingdom)

10:00 Systemic diseases and the lungs of children
Sharon Dell (Toronto (ON), Canada)

08:30 - 10:30

Symposium: Respiratory medicine meets rheumatology

Aims : To explore the pathophysiology, symptoms, diagnosis and treatment of interstitial lung diseases that associate with connective tissue diseases (CTDs) and interstitial pneumonia with autoimmune features (IPAF). This session is endorsed by the European League Against Rheumatism (EULAR).

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging Pulmonary function testing Transplantation

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Physiologist, Physiotherapist, Radiologist, Student, Trainee, Adult pulmonologist/Clinician

Chairs : Michael Tamm (Basel, Switzerland), Chair to be confirmed

08:30	Is it a connective tissue disease? Antibody patterns that the pulmonologist should be aware of Diego Kyburz (Basel, Switzerland)
09:00	Undifferentiated systemic rheumatic diseases and overlap syndromes: when can we diagnose interstitial pneumonia with autoimmune features (IPAF)? Katerina Antoniou (Heraklion, Greece)
09:30	The chicken or the egg: drug-induced pulmonary disease in rheumatology Speaker to be confirmed
10:00	Treating systemic sclerosis with lung involvement: from observation to stem cell transplantation Alan Tyndall (Florence, Italy)

08:30 - 10:30

Hot topics: The complexities of managing mild asthma

Aims : (i) To learn about the prevalence and risks of mild asthma; (ii) to understand the attitudes of asthma patients to asthma medications; (iii) to learn from other disciplines about how to communicate effectively with patients about health risks; and (iv) to explore new evidence regarding novel treatment options for mild asthma and potential future directions.

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Allergist, Clinical researcher, General practitioner, Nurse, Patient, Policy maker, Trainee, Adult pulmonologist/Clinician

Chairs : Eric D. Bateman (Cape Town, South Africa), Antoine Magnan (Nantes, France)

08:30	What is ‘mild asthma’, and how common is it? Mark Fitzgerald (Vancouver (BC), Canada)
09:00	“My reliever helps me control my asthma”: patient attitudes to asthma inhalers Helen Reddel (Sydney (NSW), Australia)
09:30	Risk communication in mild asthma: learning from other disciplines
10:00	Filling the gaps: future treatment options for mild asthma Paul O’Byrne (Hamilton (ON), Canada)

08:30 - 10:30

Hot topics: New trends in the management of pulmonary hypertension

Aims : To update attendees on major advances in the management of patients with pulmonary hypertension

Disease(s) : **Pulmonary vascular diseases**

Method(s) : General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, Radiologist, Adult pulmonologist/Clinician

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Luke Howard (London, United Kingdom)

08:30	Risk stratification in pulmonary arterial hypertension (PAH) Olivier Sitbon (Le Kremlin-Bicêtre, France)
09:00	New therapeutic targets in pulmonary arterial hypertension (PAH): moving from preclinical data to phase 2 studies Martin Wilkins (London, United Kingdom)
09:30	Balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension (CTEPH): does it perform as well as we hoped?
10:00	Rehabilitation: presentation of the ERS task force paper Ekkehard Grünig (Heidelberg, Germany)

08:30 - 10:30

Hot topics: New drugs, strategies and research designs for advanced non-small cell lung cancer

Aims : This joint hot topic session with the EORTC offers a comprehensive overview of the latest developments in the treatment of advanced lung cancer. Current treatment strategies will be described. This will help attendees to integrate the newest clinical trial knowledge into routine lung cancer care. A perspective on new lung cancer study designs will also be provided.

Disease(s) : Thoracic oncology**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology**Tag(s) :** Translational**Target audience :** Clinical researcher, General practitioner, Nurse, Pathologist, Patient, Radiologist, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Otto Chris Burghuber (Vienna, Austria), Georgia Hardavella (London, United Kingdom)**08:30** **Modern profiling of advanced lung cancer at the primary diagnosis and during therapy**
Susann Stephan-Falkenau (Berlin, Germany)**09:00** **Immunotherapy: when, who and which drug?**
Jacques Cadranel (Paris Cedex 20, France)**09:30** **Targeting targeted therapies: more choices and the best sequences**
Jair Bar (Tel-Aviv, Israel)**10:00** **The future of translational lung cancer research: from classical randomised controlled trials to innovative platform trials****08:30 - 10:30****Poster discussion: Sarcoidosis: from basic research to patient outcomes****Disease(s) :** Thoracic oncology Respiratory infections Interstitial lung diseases Airway diseases**Method(s) :** Public health Endoscopy and interventional pulmonology Surgery Cell and molecular biology General respiratory patient care Imaging Epidemiology**Chairs :** Paolo Spagnolo (Padova (PD), Italy), Jan C. Grutters (Nieuwegein, Netherlands)**Microbiological study of mediastinal lymph node biopsy from patients with sarcoidosis and lung cancer**
Saher Burhan Shaker (Rødovre, Denmark), Amal Durakovic, Kurt Fuursted, Klaus Richter Larsen ,
Matiullah Naqibullah**ETS-1 mRNA and its association with T-BET and Th1 cytokine expression in active pulmonary sarcoidosis.**
Puja Sohal (New Delhi (Delhi), India), Hina Aggarwal, Karan Madan, Vijay Hadda, Kalpana Luthra, Anant Mohan, Dipendra Kumar Mitra, Randeep Guleria**Flow cytometric analysis of lymphocyte profiles in mediastinal lymph nodes**
ken akao (Toyoake, Japan), Takuya Okamura, Tomoyuki Minezawa, Kumiko Yamatsuta, Yasuhiro Goto,
Sumito Isogai, Masashi Kondo, Kazuyoshi Imaizumi**Mononuclear phagocytes in lungs, lymph nodes and blood of sarcoidosis patients**
Rico Lepzien (Stockholm, Sweden), Gregory Rankin, Jamshid Pourazar, Ala Muala, Anders Eklund, Johan Grunewald, Anders Blomberg, Anna Smed Sörensen**Placebo-controlled randomised trial of dexamethasone for quality of life in pulmonary sarcoidosis**
Roeland Vis (Utrecht, Netherlands), E.M.W. Van De Garde, I.H.E. Korenromp, J.C. Grutters**Combination of endoscopic techniques - number of lymph nodes stations biopsies and application of cell blocks in the sarcoidosis diagnosis.**
ukasz Kasper (Kraków, Poland), Anna Andrychiewicz, Marta Kasper, Romana Tomaszewska, Jerzy Soja,
Krzysztof Sadek**The pulmonary microbiome in sarcoidosis is similar to other parenchymal lung diseases**
Andre Becker (Homburg, Germany), Giovanna Vella, Christian Herr, Andreas Keller, Cedric Laczny,
Christoph Beisswenger, Robert Bals**Advanced pulmonary sarcoidosis: long-term follow-up of 10 years or more.**
Olga P. Baranova (St. Petersburg, Russian Federation), Mikhail Ilkovich, Alexandra Speranskaya, Vitalii Perlei**Mixed ventilatory defects in pulmonary sarcoidosis: prevalence and prognosis**
Vasileios Kouranos (London, United Kingdom), Simon Ward, Maria Kokosi, Suzie Thomas, Diego Castillo,
Eoin Judge, Frans Van Tonder, Arnand Devaraj, Toby Maher, Elisabetta Renzoni, Athol Wells**Role of Impulse oscillometry(IOS)in diagnosing small airway dysfunction in patients with ILD- A prospective observational study**
Rahul K. Sharma (New Delhi (Delhi), India), Sujata Natarajan, Deepak Prajapat, Deepak Talwar

Autoreactivity in patients with respiratory sarcoidosis.

Ulia Zinchenko (St Petersburg, Russian Federation), Anna Starshinova, Nina Denisova, Sergey Lapin, Alexandra Mazing, Elena Surkova, Piotr Yablonskii

Optical coherence tomography in the diagnosis of sarcoidosis of lung and other organs

Elena Sabadash (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Sergey Skorniyakov, Igor Medvinskiy, Evgeniy Egorov, Elena Filatova, Maria Peretruchina, Maria Chernenko, Elena Ivanchikova, Ilia Diachkov

The clinical value of vascular endothelial growth factor (VEGF) in the development of lung sarcoidosis.

Liubov Ponomareva (Moscow, Russian Federation), Elena Popova, Andrey Ponomarev

Differential Expression of Plasma Metabolites in Patients with Pulmonary Sarcoidosis is Associated with Clinical Behavior

Daniel Kass (Pittsburgh, United States of America), Stephen Strock, Mehdi Nouraie, Jared Chiarchiaro, Kristen Veraldi, Yingze Zhang, Kevin Gibson

Cardiac sarcoidosis: worse pulmonary function due to left ventricular ejection fraction ? A case-control study.

Magdalena Martusewicz-Boros (Warszawa, Poland), Piotr Boros, Elzbieta Wiatr, Jacek Zych, Anna Kempisty, Marek Kram, Dorota Piotrowska-Kownacka, Stefan Wesolowski, Robert Baughman, Kazimierz Roszkowski-Sliz

Ultrasonographic evaluation of lung parenchyma in sarcoidosis

Seda Beyhan Sagmen (Istanbul, Turkey), Coskun Dogan, Nesrin Koral, Elif Torun Parmaksiz, Banu Salepci, Ali Fidan, Benan Caglayan, Sevda Sener Comert

Differential expression of ubiquitin and PU.1 in granulomatous lesions of tuberculosis and sarcoidosis

JongWook Shin (Seoul, Republic of Korea), Byoung Whui Choi, In Won Park

Sarcoidosis treatment and outcomes: what is most important to patients?

Jeanette Boyd (Sheffield (South Yorkshire), United Kingdom), Robert P. Baughman, Dominique Valeyre, Ana Rosa Alvarez Rodríguez, Linda Charvoz, Hanns-Peter Faber, Chris Knoet, Filippo Martone, Dorrit Irène Novel, Bernd Quadder, Jack Richardson, Ginger Spitzer, Gianluca Ziosi, Johanna Hochreiter

08:30 - 10:30

Poster discussion: The importance of the pulmonary function test in different clinical settings

Disease(s) : Airway diseases Respiratory infections Interstitial lung diseases Respiratory critical care

Method(s) : Epidemiology General respiratory patient care Surgery Physiology Transplantation

Chairs : Nikolaos Tzanakis (Heraklion (Crete), Greece), Maurizio Marvisi (Cremona (CR), Italy)

Study of lung functions (LF) in patients with Human Immunodeficiency Virus (HIV) infection

Thi ha (Yangon, Myanmar), Aung Kyaw Soe, Ye Ye Naing

Forced oscillometry for early detection of bronchiolitis obliterans (BO) following hematogenous stem cell transplant (HSCT)

Qian Huang (Toronto (ON), Canada), Qian Huang, Elizabeth Cho, Tong Xu, Lauren Day, Henry Furlott, Clodagh Ryan, Jeff Lipton, Chung-Wai Chow

Effect of positional changes on lung diffusing capacity in heart failure

Caitlin Fermoy (Rochester, United States of America), Steven Chase, Glenn Stewart, Bruce Johnson

Relationship between abnormal preoperative spirometry, postoperative mortality and pulmonary complications in non-thoracic surgery

Catarina Marques (Gondomar, Portugal), Daniela Machado, Inês Ladeira, Ricardo Lima, Joana Gomes, Miguel Guimarães

Effect of Gender and Abdominal Obesity on Airway Mechanics

Anjana Talwar (Noida (Uttar Pradesh), India), Anjali Trivedi, Meghashree Sampath, Geetanjali Bade

Prediction of obstructive lung function and the risk of complications in morbidly obese patients undergoing bariatric surgery

Harman Singh (Rotterdam, Netherlands), Yasemin Türk, Astrid Van Huisstede, Erwin Birnie, Ulas Biter, Pieter Hiemstra, Gert-Jan Braunstahl

Physical activity and incidence of restrictive spirometry pattern in adults.

Anne-Elie Carsin (Barcelona, Spain), Dirk Keidel, Elaine Fuertes, Medea Imboden, Joost Weyler, Dennis Nowak, Joachim Heinrich, Isabel Urrutia, Jose Martinez-Moratalla, S Caviezel, A Beckmeyer-Borowko, Chantal Raherison, Isabelle Pin, Pascal Demoly, Bénédicte Leynaert, I Cerveri, Roberto Bono, Simone Accordini, A Amaral, Thorarig Gislason, Cecilie Svanes, K Toren, Bertil Forsberg, Christer Janson, S Dharmage, Rain Jogi, Jm Anto, Nicole Probst-Hensch, Judith Garcia-Aymerich

Artificial intelligence improves experts in reading pulmonary function tests

Marko Topalovic (Leuven, Belgium), Nilakash Das, Pierre-Regis Burgel, Marc Daenen, Eric Derom, Christel Haenebalcke, Rob Janssen, Huib Kerstjens, Giuseppe Liistro, Renaud Louis, Vincent Ninane, Christophe Pison, Marc Schlessler, Piet Vercauter, Claus Vogelmeier, Emiel Wouters, Joke Wynants, Wim Janssens

Interest to practice a peak expiratory flow in the cough DET in prone position at the patient affected by neuromuscular disease.

Leila Laouar (Alger, Algeria), Sonia Nouioua, Mohamed Islam Kediha, Lamia Ali Pacha, Meriem Tazir, Samya Taright

The frequent exacerbator phenotype in bronchiectasis: predictors and particularities

Ahmed Ben Saad (Monastir, Tunisia), Saousen Cheikh Mhamed, Ghassen Trigui, Nesrine Fahem, Asma Migaou, Samah Joobeur, Naceur Rouatbi

Impulse oscillometry differentiates the lungs of elderly with and without metabolic syndrome: a functional and immunological approach

Maysa Rangel (Sao Jose Dos Campos (SP), Brazil), Tamara Costa-Guimarães, Giovana Gabriela-Pereira, Alana Santos-Dias, Manoel Carneiro Oliveira-Junior, André Luis Lacerda Bachi, Amanda Cristina Araújo-Rosa, Claudio Ricardo Frison, Sérgio Roberto Nacif, Rodolfo Paula Vieira

Association of height growth in puberty with maximally attained lung function

Osama Mahmoud (Bristol (Avon), United Kingdom), Raquel Granell, Kate Tilling, Cosetta Minelli, Judith Garcia-Aymerich, John Holloway, Adnan Custovic, Deborah Jarvis, Jonathan Sterne, John Henderson

Risk factors for acute exacerbation of interstitial pneumonia after surgery with general anesthesia

Keisuke Hosoki (Tokyo, Japan), Yu Mikami, Kunihiro Soma, Toshio Sakatani, Yukiyo Sakamoto, Hirokazu Urushiyama, Takahide Nagase, Taisuke Jo

Is preoperative pulmonary evaluation necessary in renal transplant patients?

Nilay Orak Akbay (Istanbul, Turkey), Fatih Gokhan Akbay, Suheyla Apayd n, Volkan Tugcu

Randomized, placebo-controlled, double-blind clinical trial on the effect of carvacrol on serum cytokine levels and pulmonary function tests in sulfur mustard induced lung disorder

Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Mohammad Reza Khazdair

Updated prevalence and risk factors for bronchiolitis obliterans syndrome after allogeneic stem cell transplantation.

Jhanavi Rangaswamy (Melbourne (VIC), Australia), Sharon Avery, Brigitte Borg, Catherine Martin, Eli Dabscheck

08:30 - 10:30

Poster discussion: Tuberculosis transmission and screening strategies

Disease(s) : Respiratory infections

Method(s) : General respiratory patient care Epidemiology Cell and molecular biology Public health

Chairs : Delia Goletti (Roma (RM), Italy), Alberto Matteelli (Brescia (BS), Italy)

Associated factors to tuberculosis transmission.

Juan Rodríguez López (Oviedo (Asturias), Spain), Jose Maria Garcia Garcia, Teresa Rodrigo, Juan Ruiz-Manzano, Martí Casals, Joan Caylà, Programa I Investigación Grupo De Tuberculosis-Separ

Introduction of a Latent TB infection (LTBI) screening programme detects cases of active tuberculosis and hepatitis B and C

Jennifer Yung (London, United Kingdom), Jennifer Yung, Grace Isbister, Thomas Mason, Stella Abiona, Martino Dall'Antonia, Moerida Belton

Epidemiological features of nosocomial tuberculosis in patients with pulmonary tuberculosis in TB hospital

Neliia Vasileva (St. Petersburg, Russian Federation), Anna Vyazovaya, Igor Vasilev, Natalia Solovieva, Vyacheslav Zhuravlev, Olga Narvskaya, Ludmila Zueva

Diagnostic delay in tuberculosis in Yorkshire & Humber, UK: 2013-16 data

Stefanie Gissing (Leeds (West Yorkshire), United Kingdom), Renu Bindra

Implementation of FAST strategy in the National Center for Tuberculosis and Lung Diseases (NCTLD) in Georgia

Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Rusudan Aspindzelashvili, Nino Lomtadze

Tuberculosis contact investigation – 5-year experience of a Portuguese ambulatory center

Daniel Gonalo Pereira Duarte (Lisboa, Portugal), Rodrigo Farinha, Joo Eusbio, Paula Raimundo, Natlia Andr, Antnio Domingos

Performance of QuantiFERON TB PLUS® (QTF-PLUS) In the detection of latent tuberculosis infection in relation to QTF TB GOLD IN TUBE (QTF), TSPOT.TB and Tuberculin Skin Test (TST). A two year prospective study.

Miguel Arias Guillen (Oviedo (Asturias), Spain), Mara Teresa Gonzlez-Budio, Marta Mara Garca-Clemente, Sabino Riestra-Menndez, Rubn Queiro, Juan Jos Palacios-Gutierrez, Susana Martnez-Gonzlez, Miguel Santibñez, Tamara Hermida-Valverde, Carmen Osoro-Surez, Jose Andrs Lorenzo, Ariel Moreda, Ins Ruiz-Alvarez, Julia Herrero-Puertas, Andrs Ortiz, Mara Folgueras-Gmez, Pere Casan-Clar

Evaluation of IP-10 in IGRA for LTBI diagnosis

Linda Petrone (Roma (RM), Italy), Elisa Petruccioli, Valentina Vanini, Teresa Chiacchio, Gilda Cuzzi, Fabrizio Palmieri, Giuseppe Ippolito, Delia Goletti

Modulation of whole-blood IGRA response in patients with latent TB infection during treatment

Elisa Petruccioli (Roma (RM), Italy), Teresa Chiacchio, Valentina Vanini, Gilda Cuzzi, Fabrizio Palmieri, Luigi Ruffo Codecas, Paola Castellotti, Giuseppe Ippolito, Delia Goletti

Discordance between tuberculin skin tests (TST) and interferon gamma release assays (IGRAs): Are we over-treating LTBI?

Rodric V Francis (Nottingham, United Kingdom), Amanda Goodwin, Vidya Navaratnam, Lois Dexter, Anna L Rich

Immune reactive profiling in subjects at risk of latent tuberculosis infection with TST(+)/IGRA(-) results.

Patricio Escalante (Rochester, United States of America), Tobias Peikert, Virginia P. Van Keulen, Courtney L. Erskine, Andrew H. Limper

Recombinant Tuberculosis Allergen in Detecting Latent Tuberculosis Infection in Adults

Tatiana Ivanovna Morozova (Saratov (Saratov Oblast), Russian Federation), Olga Otpuschennykova

Results of retrospective-prospective comparison study of different immunologic tests in diagnosis of tuberculosis infection

Anna Starshinova (St. Petersburg, Russian Federation), Viacheslav Zhuravlev, Irina Dovgaluk, Alexander Pantelev, Ulia Zinchenko, Evgenia Istomina, Maria Pavlova, Piotr Yablonskiy

Accuracy of whole blood IGRA in TB subjects with rheumatic disease.

Teresa Chiacchio (Roma (RM), Italy), Elisa Petruccioli, Valentina Vanini, Gilda Cuzzi, Fabrizio Palmieri, Giuseppe Ippolito, Delia Goletti

Comparison of LTBI screening strategies before TNF inhibitor treatment in inflammatory arthritis

Young Ju Jung (Seoul, Republic of Korea), Dae Hyun Jeong, Jieun Kang, Bin Yoo, Chang-Keun Lee, Yong-Gil Kim, Seokchan Hong, Tae Sun Shim, Kyung-Wook Jo

Should we treat every patient with latent TB? Is there a cost to pay?

Usman Maqsood (Walsall, United Kingdom), Muhammad Ganaie, James Redfern, Mohammed Munavvar

Conversion of tuberculosis screening tests during biological therapy in patients with rheumatic diseases: what's beyond screening values?

Victoria Sadovici-Bobeica (Chisinau, Republic of Moldova), Virginia Salaru, Lucia Mazur-Nicorici, Maria Garabaiu, Tatiana Rotaru, Minodora Mazur

Molecular Epidemiology of Tuberculosis (TB) Patients Attending to Ege University Faculty of Medicine

Imren Nesil (Izmir, Turkey), Mustafa Hikmet Ozhan, Cengiz Cavusoglu

08:30 - 10:30

Poster discussion: Preclinical pharmacology: novel targets in airway inflammation, narrowing and neural control**Disease(s) :** Airway diseases Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Cell and molecular biology Respiratory intensive care Physiology**Chairs :** Leif Bjerner (Lund, Sweden), Sara Jane Bonvini (London, United Kingdom)**Andrographolide inhibits the activation of NLRP3 inflammasome in patients with COPD**

Wei Xiao (Chengdu, China), Wei Xiao, Juan-Juan Fu, Sheng-Jun Wang, Yan Wang, Ti-Wei Miao, Bing Mao

PUR1800 (RV1162), A novel narrow spectrum kinase inhibitor, but not Fluticasone, reduces TNF α -induced cytokine release by primary bronchial epithelial cells from healthy volunteers and COPD patients

Aidan Curran (Lexington, United States of America), Catherine Charron, Paul Russell, David Hava

AZD1402/PRS-060, an inhaled Anticalin® IL-4Ra antagonist, potently inhibits IL-4 induced functional effects in human whole blood, which can be employed translationally in clinical studies.

Katerina Pardali (Mölnal, Sweden), Fanyi Jiang, Mary Fitzgerald, Gabriele Matschiner, David Keeling

The effects of fatty acid amide hydrolase and monoacylglycerol lipase inhibitors in lipopolysaccharide-induced airway inflammation and tracheal hyperreactivity in mice

Turgut Emrah Bozkurt (Ankara, Turkey), Reshed Abohalaka, Sevgen Celik Onder, Inci Sahin-Erdemli

Effects of Nintedanib on the M1 and M2a polarization of human macrophages

Nessrine Bellamri (Rennes, France), Claudie Morzadec, Valérie Lecureur, Audrey Joannes, Lutz Wollin, Stéphane Jouneau, Laurent VERNHET

Selective activation and targeting of autophagy in severe asthma.

Pawan Sharma (Sydney (NSW), Australia), Kielan Mcalinden, Anudeep Kota, Brian Oliver, Mehra Haghi

Effect of phosphodiesterase-4 inhibitor on the inflammation, oxidative damage and apoptosis in a saline lavage-induced model of acute lung injury

Petra Kosutova (Martin, Slovakia), Pavol Mikolka, Maros Kolomaznik, Sona Balentova, Andrea Calkovska, Daniela Mokra

Mechanisms leading to the bronchoprotective effects of N-Acetylcysteine in human bronchi stimulated by lipopolysaccharide

Luigino Calzetta (Roma (RM), Italy), Paola Rogliani, Francesco Facciolo, Barbara Rinaldi, Mario Cazzola, Maria Gabriella Matera

Differential anti-inflammatory effects of budesonide and a p38 MAPK inhibitor AZD7624 on COPD pulmonary cells

Andrew Higham (Manchester (Greater Manchester), United Kingdom), Pradeep Karur, Natalie Jackson, Danen Cunoosamy, Paul Jansson, Dave Singh

Clinically validated markers of the extracellular matrix remodelling are altered by potential anti-fibrotic compounds in a human lung fibrosis ex vivo model

Diana Julie Leeming (Herlev, Denmark), Jannie M.B Sand, Christina Hesse, Sebastian Konzok, Katherina Sewald, Sarah Rønnow, Armin Braun, Morten A Karsdal, Sarah Brockbank, Simon Cruwys

Smooth-muscle-derived WNT-5A drives allergen-induced remodelling and Th2 type inflammation

Reinoud Gosens (Groningen, Netherlands), Tim Koopmans, Laura Hesse, Martijn Nawijn, Mark Menzen, Ron Smits, Elvira Bakker, Judith Vonk, Maarten Van Den Berge, Gerard Koppelman, Victor Guryev

Intrinsic tone in human airway smooth muscle increases subsequent contractile response

Alvenia Cairncross (Perth (WA), Australia), Farid Sanai, Brent Mcparland, Gregory King, Peter Mcfawn, John Elliot, Alan James, Peter Noble

LPS and TNF α differentially increase intrapulmonary airway and artery contraction in mouse precision cut lung slices

Emma Lamanna (Clayton, Australia), Claudia Nold, Jane Bourke

Free fatty acid receptors, FFAR1 and FFAR4, are novel bronchodilator targets in mouse and human precision-cut lung slices

Jane Bourke (Clayton (VIC), Australia), Ralph Angeles, Chantal Donovan, Maggie Lam, Jackie Micallef, Bharat Shimpukade, Trond Ulven, Simon Royce

Comparative activity of ilmetropium iodide and other anticholinergic drugs.

Tatiana Molostova (Moscow, Russian Federation), Alexander Chuchalin, Yuri Kalinin, Sofia Skachilova, Oksana Proskurina

The anti-tussive effects of an inhaled LABA are maintained after chronic treatment

Michael A. Wortley (London, United Kingdom), Sara J. Bonvini, Pauline L.M. Flajolet, Maria G. Belvisi, Mark A. Birrell

Allergen-induced BDNF expression and neuronal remodeling contributes to airway hyperresponsiveness

Loes E. M. Kistemaker (Groningen, Netherlands), Susan Nijboer, Anne P De Groot, Eva VohlíDalová, I Sophie T Bos, Y.S. Prakash, Reinoud Gosens

Characterisation of TRPA1 activation on sensory nerves

Xue Chen (London, United Kingdom), Sara J. Bonvini, Eric Dubuis, Mark A. Birrell, Maria G. Belvisi

08:30 - 10:30

Poster discussion: What is new in idiopathic interstitial pneumonias?**Disease(s) :** [Interstitial lung diseases](#) [Respiratory critical care](#)**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Respiratory intensive care Imaging Epidemiology Physiology**Chairs :** Michael Kreuter (Heidelberg, Germany), Argyris Tzouvelekis (Athens, Greece)**Usefulness of surgical lung biopsies after cryobiopsies when pathological results are unspecific or show a pattern suggestive of a nonspecific interstitial pneumonia**

Benjamin Bondue (Bruxelles, Belgium), Thierry Pieters, Antoine Froidure, Vincent Heinen, Patrick Alexander, Delphine Hoton, Florence Dome, Myriam Rimmelink, Dimitri Leduc

Long-term nintedanib treatment in idiopathic pulmonary fibrosis (IPF): final data from INPULSIS-ON

Bruno Crestani (Paris, France), Manuel Quaresma, Mitchell Kaye, Takashi Ogura, Wibke Stansen, Susanne Stowasser, Michael Kreuter

Proof of concept of a non-invasive screening tool to detect idiopathic pulmonary fibrosis (IPF) in an early stage

Jan De Backer (Kontich, Belgium), Cedric Van Holsbeke, Wim Vos, Dennis Belmans, Glenn Leemans, Wilfried De Backer

Feasibility of a homemonitoring program including real-time wireless home spirometry in idiopathic pulmonary fibrosis

Catharina Moor (Rotterdam, Netherlands), Monique Wapenaar, Jelle R. Miedema, Jacomina J.M. Geelhoed, Presh P. Chandosing, Marlies S. Wijsenbeek

The correlation between pathological findings of transbronchial lung cryobiopsy and high resolution CT morphology for diffuse parenchymal lung disease patients

Naoto Aiko (Kanagawa, Japan), Takashi Niwa, Takuma Katano, Goshi Matama, Kohsuke Isomoto, Ryouta Ohtoshi, Erina Tabata, Ryota Shintani, Shinko Sadoyama, Hideaki Yamakawa, Satoshi Ikeda, Hiroaki Nakagawa, Tsuneyuki Oda, Ryo Okuda, Akimasa Sekine, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Eri Hagiwara, Takashi Ogura

Dehydroepiandrosterone sulfate plasma levels correlate with lung function, muscle mass and physical performance in fibrotic interstitial lung disease

Sabina Guler (Ried-Brig, Switzerland), Seo Am Hur, Scott Lear, Pat Camp, Pearce Wilcox, Janice Leung, Christopher Ryerson

Diagnostic value of BAL lymphocytosis in patients with suspected IPF and indeterminate HRCT pattern

Vasilios Tzilas (Athens, Greece), Argyris Tzouvelekis, Evangelo Bouros, Maria Ntasiou, Anna Kefalaki, Anna Tsonou, Demosthenes Bouros

Cognitive impairment and depression in patients with Idiopathic Pulmonary Fibrosis

Radwa Elhefny (Cairo, Egypt), Assem Elessawy, Hala Shaheen, Asmaa Mohamed

Fatigue in IPF measured by the Fatigue Assessment Scale during antifibrotic treatment

Elisabeth Bendstrup (Vejle, Denmark), Vibeke Skivild, Rikke Larsen, Anette Aalestrup, Inger Terp, Kristina Nordvig, Thomas Prior, Janne Møller

Survival after respiratory hospitalization in patients with idiopathic chronic fibrosing interstitial pneumonia

Osamu Nishiyama (Osaka, Japan), Ryo Yamazaki, Sho Saeki, Hiroyuki Sano, Takashi Iwanaga, Yuji Higashimoto, Hiroaki Kume, Yuji Tohda

Effect of pamrevlumab on the UCSD-SOBQ (University of California San Diego–Shortness of Breath Questionnaire) in patients with Idiopathic Pulmonary Fibrosis (IPF)

Eduard Gorina (Belmont, United States of America), Tro Sekayan, Jeff Swigris, Ming Zhong, Peony Yu, Elias Kouchakji

Clinical impact of an interstitial lung disease Nurse on patients with idiopathic pulmonary fibrosis

Sharina Aldhaferi (Kingston, Canada), Onofre Moran-Mendoza, Lynda Mccarthy

Safety in treating dyspnea with morphine in ILD patients

Sissel Kronborg-White (Lystrup, Denmark), Charlotte Uggerhøj Andersen, Ole Hilberg, Elisabeth Bendstrup

Visual and fully-automated CT analysis in acute exacerbations of idiopathic pulmonary fibrosis (IPF)

Lars Kehler (Heidelberg, Germany), Tobias Norajitra, Julia Ley-Zaporozhan, Athanasios Giannakis, Roman Rubtsov, Claudia Bauer-Kemeny, Klaus Maier-Hein, Claus-Peter Heussel, Michael Kreuter

Assessment of survival in patients with idiopathic pulmonary fibrosis (IPF) using quantitative HRCT indexes

Sebastiano Emanuele Torrisi (Acireale (CT), Italy), Stefano Palmucci, Roberta Rosso, Matteo Schisano, Mauro Pavone, Ada Vancheri, Gianluca Sambataro, Claudia Crimi, Alessandro Stefano, Giorgio Russo, Carlo Vancheri

Frailty is an independent predictor of number and length of hospitalizations in patients with fibrotic ILD

Sabina Guler (Ried-Brig, Switzerland), Joanne Kwan, Pearce Wilcox, Christopher Ryerson

Risk Factors for Mortality in Patients with Idiopathic Pulmonary Fibrosis Followed at Intensive Care Unit due to Acute Respiratory Failure

Burcu Uysaler (izmir, Turkey), Pervin Korkmaz Ekren, Feza Bacakoglu, Nesrin Mogulkoc Bishop

08:30 - 10:30

Poster discussion: The airway microbiome across the spectrum of airway disease

Disease(s) : Airway diseases Respiratory infections Respiratory critical care

Method(s) : Cell and molecular biology General respiratory patient care Respiratory intensive care Public health

Chairs : Maria Rosa Faner Canet (Barcelona, Spain), Chair to be confirmed

Influence of bacteria from the COPD lung microbiome on cigarette smoke-induced pro-inflammatory responses of three-dimensional lung epithelial cell cultures

qi ni (Ghent, Belgium), Charlotte Rigauts, Lisa Ostyn, Eva Vandeplassche, Guy Brusselle, Tom Coenye, Ken Bracke, Aurélie Crabbé

Non-typeable Haemophilus influenzae infection of ciliated epithelium from healthy and chronic obstructive pulmonary disease donors

Alina Maria Petris (London, United Kingdom), Simona A. Velkova, Dani D.H. Lee, Soren Beinke, Richard A. Williamson, Nikolai N. Belyaev, Edith M. Hessel, Dale Moulding, Timothy D. Mchugh, Primrose Freestone, Claire M. Smith, Cristopher O'Callaghan

Volatile organic compound (VOC) analysis to differentiate between bacterial and viral respiratory infections in COPD

Faisal Kamal (London, United Kingdom), Sacheen Kumar, Aran Singanayagam, Michael Edwards, Andrea Romano, Kirrill Veslkov, Ivan Laponogov, Gavin Donaldson, Sebastian Johnston, Jadwiga Wedzicha, George B Hanna

Utility of CAT questionnaire in the diagnosis of bacterial colonization in Bronchiectasis

ANNA FELIU (BARCELONA, Spain), Ana Rodrigo-Troyano, Lidia Perea, Jordi Giner, Diego Castillo, Ferran Sánchez-Reus, David De La Rosa, Miguel Angel Martínez-García, Oriol Sibila Vidal

Longitudinal profiling of viral infections in COPD patients and their implication to exacerbations

Daiana Stolz (Basel, Switzerland), Hans Hirsch, Daniel Schilter, Renaud Louis, Janko Rakic, Lucas Boeck, Eleni Papakonstantinou, Christian Schindler, Leticia Grize, Michael Tamm

Sputum biospecimen quality and suitability for microbiome characterisation in COPD

Janet Shaw (Brisbane (QLD), Australia), Hannah O'Farrell, Olivia Ferry, Pamela Fung, Deborah Courtney, Rayleen Bowman, Kwun Fong, Ian Yang

Moraxella catarrhalis infection of healthy and COPD ciliated epithelial cultures

Simona Velkova (London, United Kingdom), Alina Petris, Dani Lee, Primrose Freestone, Rick Williamson, Soren Beinke, Nikolai Belyaev, Edith Hessel, Dale Moulding, Rosalind Smyth, Claire Smith, Christopher O'Callaghan

Relationship between the respiratory microbiome and systemic patterns in COPD

Laura Millares Costas (Badalona (Barcelona), Spain), Sergi Pascual, Cristina Lalmolda, Marian García-Núñez, Rosa Faner, Carme Casadevall, Laia Seto, Oscar Cuevas, Silvia Capilla, Amalia Moreno, Ady Castro, Carlos Alvarez, Oriol Sibila, German Peces-Barba, Borja Cosio, Concepción Monton, Alvar Agusti, Joaquim Gea, Eduard Monsó

What is the best technique to extract bacterial DNA from sputum?

Martina Oriano (Milan, Italy), Leonardo Terranova, Luca Ruggiero, Camilla Tafuro, Antonio Teri, Lisa Cariani, Elisa Franceschi, Francesco Amati, Andrea Gramegna, Martina Contarini, James D Chalmers, Paola Marchisio, Stefano Aliberti, Francesco Blasi

Diagnosis of Lower Respiratory Tract Infections using nanopore sequencing

Themoula Charalampous (norwich (Norfolk), United Kingdom), Hollian Richardson, Gemma Kay, Rossella Baldan, Christopher Jeanes, Daniel Turner, John Wain, David Livermore, Richard Leggett, Justin O'Grady

Respiratory syncytial virus (RSV) disease in hospitalised adults in Europe with COPD: Impact of GOLD score on RSV disease burden

Thomas Harrer (Erlangen, Germany), Florian Thalhammer, Odile Launay, Arnaud Cheret, Guy De La Rosa, Ian Sander, Robert Stolper, Jessica Zakar, Karin Weber

Human rhinovirus impairs macrophage innate immune responses to bacteria via the interferon pathway in COPD

Lydia Finney (London, United Kingdom), Kylie Belchamber, Peter Fenwick, Samuel Kemp, Sebastian Johnston, Louise Donnelly, Jadwiga Wedzicha

Comparing Respiratory Pathogen in patients with non-Cystic Fibrosis bronchiectasis during clinically stable and exacerbation

Chaisith Sivakorn (Nonthaburi, Thailand), Virissorn Wongsrichanalai

Tsukamurella species isolation in bronchiectasis and chronic obstructive pulmonary disease patients: A retrospective case series

Emilia Isabel Amara Elori (Valencia, Spain), Raúl Méndez Ocaña, Ana Gil Brusola, Beatriz Montull Veiga, Alexandra Gimeno Cardells, Alba Piró Dorado, Paula González Jiménez, Laura Feced Olmos, Patricia Falomir Salcedo, Rosario Menéndez Villanueva

Characterization of macrophages from bronchoalveolar lavage of COPD patients with and without bacterial colonization

Lidia Perera Lopez (Madrid, Spain), Elisabet Cantó, Ana Rodrigo-Troyano, Alfons Torrego, Jordi Giner, Ana Feliu, Ferran Sánchez-Reus, Silvia Vidal, Oriol Sibila Vidal

Development of antibiotic-resistance in P. aeruginosa obtained from bronchiectasis patients: a multicenter prospective observational study

Paola Faverio (Limiate (MI), Italy), Giulia Bonaiti, Stefano Zucchetti, Anna Stainer, Elisa Franceschi, Ana Maria Rodrigo Troyano, Oriol Sibila, Francesco Bini, Bruno Dino Bodini, Stefano Aliberti

Tolerance test for inhaled antibiotics in patients with chronic bronchial infection

Esther Barbero Herranz (Madrid, Spain), Rosa Nieto Royo, Raquel Morillo Guerrero, Deisy Barrios Barreto, Carlos Almonacid Sánchez, Francisco León Román, Luis Maíz Carro

Bronchiectasis exacerbations by Pseudomonas aeruginosa: differences and similarities

Carolina Duarte Ferreira Dantas (Lisboa, Portugal), David Silva, Inês Duarte, Raquel Bernardes, Tiago Sá, João Cardoso

08:30 - 10:30

Oral presentation: Physiotherapy care for patients with acute and chronic respiratory conditions**Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** General respiratory patient care Surgery**Chairs :** Chris Burtin (Diepenbeek, Belgium), Deniz Inal-Ince (Ankara, Turkey)**08:30** **Impact of frailty during hospitalized exacerbations of COPD on 90-day readmissions - preliminary data.**
Christian Osadnik (Melbourne, Australia), Alethea Kavanagh, Martin Macdonald, Anne Tran, Philip Bardin, Terrence Haines**08:45** **Home-based rehabilitation in inoperable lung cancer: a randomised controlled trial**
Lara Edbrooke (Melbourne (VIC), Australia), Sanchia Aranda, Catherine Granger, Christine McDonald, Mei Krishnasamy, Linda Mileshekin, Ross Clark, Ian Gordon, Louis Irving, Linda Denehy**09:00** **Physical activity level during the first three days after lung cancer surgery improves with physiotherapy: a randomized controlled trial**
Marcus Jonsson (Degerfors, Sweden), Anita Hurtig-Wennlof, Anders Ahlsson, Marten Vidlund, Yang Cao, Elisabeth Westerdahl**09:15** **Physical activity telecoaching during pulmonary rehabilitation in patients with COPD: do we reach the intended candidates?**
Matthias Loeckx (Leuven, Belgium), Fernanda Machado Rodrigues, Heleen Demeyer, Thomas Reijnders, Andreas Von Leupoldt, Wim Janssens, Thierry Troosters**09:30** **Mechanical comparison of 6 oscillatory positive expiratory pressure devices.**
William Poncin (Brussels, Belgium), Giuseppe Liistro, Grégory Reyckler**09:45** **The effects of inspiratory muscle training on exercise capacity, dyspnea and lung functions in lung transplantation candidates**
Esra Pehlivan (Istanbul, Turkey), Fatma Mutluay, Arif Balç, Lutfiye K L ç, Esra Yazar

- 10:00** **Moderate-to-high intensity inspiratory muscle training improves the effects of combined training on exercise capacity in patients after coronary artery bypass graft surgery: a randomized clinical trial**
Isabella Albuquerque (Santa Maria (RS), Brazil), Tamires Dos Santos, Sérgio Pereira, Luiz Osório Portela, Dannuey Cardoso, Pedro Dal Lago, Naiara Guarda, Rafael Moresco, Marisa Pereira

08:30 - 10:30

Oral presentation: Novel and established imaging studies and findings

Disease(s) : Thoracic oncology Airway diseases Respiratory critical care Sleep and breathing disorders

Method(s) : Endoscopy and interventional pulmonology Imaging Respiratory intensive care Physiology

- 08:30** **Comparison of abilities of virtual bronchoscopic navigation (VBN) software products to reproduce peripheral branches in diagnosing peripheral lung lesions**
Atsushi Kitamura (Tokyo, Japan), Kohei Okafuji, Ryosuke Imai, Hiroaki Kanemura, Kenji Ishii, Ryosuke Tsugitomi, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura
- 08:45** **A novel imaging technique for bronchopulmonary dysplasia: functional respiratory imaging.**
Kristien Vanhaverbeke (Wilrijk, Belgium), Monique Slaats, Mohammed Al-Nejar, Niek Everaars, Annelies Van Eyck, Benedicte De Winter, Kim Van Hoorenbeeck, Jozef De Dooy, Ludo Mahieu, Jan De Backer, Wim Vos, Benjamin Mignot, Maarten Lanclus, Antonius Mulder, Stijn Verhulst
- 09:00** **Assessment of muscle mass on regular chest computed tomography (CT) scans in respiratory disease**
Karin J. C. Sanders (Maastricht, Netherlands), Juliette H.R.J. Degens, Anne-Marie C. Dingemans, Annemie M.W.J. Schols
- 09:15** **Menstrual cycle-associated PFT changes correlate with QCT of the lung**
Jessica C. Sieren (Iowa City, United States of America), Junfeng Guo, Archana Laroia, Eric A. Hoffman
- 09:30** **Bronchial and nonbronchial systemic artery embolization: Experience with 836 patients**
Gamal Rabie Agmy (Assiut, Egypt), Yaser Gad, Sherif Mohamed, Hisham Imam, Moustafa Elshakawy
- 09:45** **Comparison of inhaled 19F C3F8 and hyperpolarized 129Xe lung ventilation MRI**
Adam Maunder (Sheffield (South Yorkshire), United Kingdom), Paul J.C. Hughes, Graham Norquay, Fraser Robb, Madhwesha Rao, Jim Wild
- 10:00** **A comparison of paraseptal to centrilobular emphysema using computed and micro-computed tomography**
Naoya Tanabe (Kyoto, Japan), Drago Vasilescu, Cameron Hague, Miranda Kirby, Harvey Coxson, Stijn Verleden, Bart Vanaudenaerde, James Hogg

08:30 - 10:30

Oral presentation: Effect of environmental exposure on lung function outcomes

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health Physiology

Chairs : Torben Sigsgaard (Århus, Denmark), Isabella Annesi Maesano (Paris, France)

- 08:30** **Poor prognosis in young and middle-aged adults with airflow limitation according to lower limit of normal but not fixed ratio: a population-based prospective cohort study**
Yunus Çolak (Herlev, Denmark), Shoaib Afzal, Børge G. Nordestgaard, Jørgen Vestbo, Peter Lange
- 08:45** **Body mass index trajectories during adult life and lung function decline**
Gabriela P. Peralta (Barcelona, Spain), Elaine Fuertes, Anne-Elie Carsin, Nicole Probst-Hensch, Alessandro Marcon, Dennis Nowak, André F.S. Amaral, Ane Johannessen, Christer Janson, Shyamali Dharmage, Thorarinn Gislason, Vanessa Garcia-Larsen, Michael J. Abramson, Torben Sigsgaard, Josep M. Antó, Joost Weyler, Roberto Bono, Mathias Holm, Peter Burney, Joachim Heinrich, Bertil Forsberg, Chantal Raherison-Semjen, Valérie Siroux, Bénédicte Leynaert, Simone Accordini, Jesus Martinez-Moratalla, José-Luis Sánchez-Ramos, Deborah L. Jarvis, Judith Garcia-Aymerich
- 09:00** **Long-term air pollution exposure is associated with sick leave 20 years later**
Ane Johannessen (Bergen, Norway), Ingrid Nordeide Kuiper, Simone Accordini, Randi Jacobsen Bertelsen, Bertil Forsberg, Thorarinn Gislason, Joachim Heinrich, Mathias Holm, Rain Jögi, Jorunn Kirkeleit, Andrei Malinovsky, Alessandro Marcon, Iana Markevych, Anna Oudin, Vivi Schlünssen, Torben Sigsgaard, Cecilie Svanes, Kjell Torén, Christer Janson
- 09:15** **Oral microbiome and lung health**
Øistein Svanes (Kleppstø, Norway), Ane Johannessen, Shymal Peddada, Francisco Gomez Real, Cecilie Svanes, Randi J. Bertelsen

- 09:30 Early life exposome and lung function in children from the HELIX cohort**
Valerie Siroux (La Tronche, France), Lydiane Agier, Xavier Basagaña, Jose Urquiza, Jordi Sunyer, Maribel Casas, Oliver Robinson, Berit Granum, Bente Oftedal, Cathrine Thomsen, Montserrat De Castro, Mark Nieuwenhuijsen, John Wright, Rosemary Mceachan, Philippa Bird, Noortje Uphoff, Regina Grazuleviciene, Sandra Andrusaityte, Inga Petraviciene, Theano Roumeliotaki, Vasiliki Leventakou, Leda Chatzi, Martine Vrijheid, Rémy Slama
- 09:45 Lung health in adulthood after childhood exposure to air pollution and greenness**
Ingrid Nordeide Kuiper (Bergen, Norway), Cecilie Svanes, Michael J. Abramson, Bryndis Benediktsdottir, Randi J. Bertelsen, Martine Dennekamp, Bertil Forsberg, Thorarinn Gislason, Thomas Halvorsen, Joachim Heinrich, Mathias Holm, Christer Janson, Rain Jögi, Andrei Malinowski, Alessandro Marcon, Iana Markevych, Jesús M. Moratalla, Anna Oudin, John L. Pearce, Vivi Schlünssen, Antonio P. Vega, Ane Johannessen
- 10:00 Chronic exposure to black carbon particles and traffic-related particulate matter (PM) specifically from traffic are associated with reduced lung-function in a general population**
Anna-Carin Olin (Göteborg, Sweden), Hanne Krage Carlsen, Fredrik Nyberg, David Segersson

08:30 - 10:30

Oral presentation: New determinants of cardiovascular morbidity in COPD

Disease(s) : **Airway diseases**

Method(s) : General respiratory patient care Imaging Epidemiology Public health

Chairs : Frits M.E. Franssen (Horn, Netherlands), Chair to be confirmed

- 08:30 Comorbidities in chronic obstructive pulmonary disease: a nation-wide twin study**
Howraman Meteran (København, Denmark), Simon Francis Thomsen, Martin R Miller, Torben Sigsgaard, Vibeke Backer
- 08:45 Association between centrilobular emphysema and coronary artery calcification: mediation analysis in the SPIROMICS cohort**
Surya Bhatt (Birmingham, United States of America), Hrudaya Nath, Young-Il Kim, Rekha Ramachandran, Jubal Watts, Nina Terry, Sushil Sonavane, Swati Deshmene, Prescott Woodruff, Elizabeth Oelsner, Sandeep Bodduluri, Meilan Han, Wassim Labaki, James Wells, Fernando Martinez, Graham Barr, Mark Dransfield
- 09:00 In people at high risk of cardiovascular disease, co-existing COPD is not independently associated with macrovascular or microvascular disease**
Sachelle V. Ruickbie (London, United Kingdom), D R Burrage, M P K Bajaj, C A Spilling, J W Dodd, A Prasad, T R Barrick, P W Jones, E H Baker
- 09:15 Influence of body mass on predicted values of static hyperinflation in COPD**
Peter Alter (Marburg, Germany), Klaus F Rabe, Holger Schulz, Claus F Vogelmeier, Rudolf A Jörres
- 09:30 Association between ICS therapy for COPD and diabetes onset and progression**
Jaco Voorham (Lisboa, Portugal), Nicolas Roche, Jeffrey Stephens, Hye Yun Park, Robert Fogel, Andreas Clemens, Guy Brusselle, David Price
- 09:45 Low FFMI according to ESPEN cut-offs is a strong independent predictor of mortality in patients with COPD**
Tomaz Hafner (Kranj, Slovenia), Tatjana Kosten, Barbara Zupanc, Kristina Ziherl, Irena Sarc
- 10:00 Score for the identification of osteoporosis in smokers (SIOS): its development using clinical, radiological and biochemical information**
Pilar Rivera Ortega (Barcelona, Spain), Jessica González Gutiérrez, Patricia Restituto Aranguíbel, Nerea Varo Cenarruzabeitia, Maria Inmaculada Colina Lorda, Maria De Los Desamparados Calleja Canelas, Maria Macarena Rodriguez Fraile, Gorka Bastarrika Alemán, Ana Belén Alcaide Ocaña, Arantza Campo Ezquibela, Javier Zulueta Francés, Juan Pablo Torres Tajés

08:30 - 10:30

Oral presentation: Does asthma phenotyping improve treatment?

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Public health

Chairs : Stephen James Fowler (Preston (Lancashire), United Kingdom), Chair to be confirmed

- 08:30 Discriminating phenotypes of severe eosinophilic asthma using gene profiling in sputum**
Laurits Frøssing (Copenhagen V, Denmark), Anna Von Bülow, Marcus Ross Christensen, Vibeke Backer, Peter Gibson, Katherine Baines, Celeste Porsbjerg

- 08:45 Pulmonary function and levels of serum leptin and interleukin-6 in women with bronchial asthma**
Evgeniia Makarova (Chelyabinsk, Russian Federation), Galina Ignatova
- 09:00 Effects of a standardized Emergency Department asthma care pathway on health services utilization**
Chanel Kwok (Kingston (ON), Canada), Katherine Lajkosz, Carole Madeley, Mona Jabbour, Teresa To, M. Diane Loughheed
- 09:15 Sex differences in difficult asthma; findings in the WATCH cohort**
Anna Freeman (Southampton, United Kingdom), Heena M Mistry, Adnan Azim, Matt A E Harvey, Judit Varkonyi-Sepp, Clair Barber, Hans Michael Haitchi, Colin Newell, Tom M Wilkinson, Ramesh J Kurukulaaratchy
- 09:30 Phenotypic characteristics of asthmatic patients with small airways obstruction**
Amani Ben Mansour (Tunis, Tunisia), Salsabil Daboussi, Samira Mhamdi, Zied Moetemri, Chiraz Aichaouia, Islam Mejri, Mohsen Khadraoui, Rzeig Cheikh
- 09:45 Influence of natural lung surfactant inhalations on clinical symptoms and pulmonary function parameters in patients with bronchial asthma**
Oleg Rosenberg (St. Petersburg, Russian Federation), Konstantin Shapovalov, Sergey Lukyanov, Olga Stepanova, Elena Akulova, Aleksandra Kochneva, Andrey Seiliev, Aleksey Shulga, Lidiya Loshakova, Vladimir Volchkov, Olga Lovacheva

08:30 - 10:30

Oral presentation: Latest advances in pulmonary rehabilitation assessment and content

Disease(s) : Airway diseases Respiratory infections

Method(s) : General respiratory patient care

Chairs : William Man (Harefield, United Kingdom), Ioannis Vogiatzis (Newcastle upon tyne (Tyne and Wear), United Kingdom)

- 08:30 Randomised controlled trial of pulmonary rehabilitation including cognitive behavioural therapy for breathlessness.**
Marie Williams (Adelaide (SA), Australia), Catherine Paquet, Paul Cafarella, Peter Frith
- 08:45 High flow nasal cannula improves exercise capacity in COPD patients: crossover trial**
María Florencia Castellano Barneche (Buenos Aires, Argentina), Silvina Dell'Era, Nicolás Roux, Elena Gimeno Santos, Sergio Terrasa, Ilona Bykhovsky, Guadalupe Gracia, María Carolina Balestrieri, Alejandro Midley
- 09:00 Change in V̇O₂peak in response to aerobic training in patients with COPD: A meta-analysis.**
Tom Ward (Market Harborough (Leicestershire), United Kingdom), Tom Ward, Amy Jones, Ruth Trethewey, Pip Divall, Sally Singh, Tom Dolmage, Martin Lindley, Michael Steiner, Rachael Evans
- 09:15 Comparison of exercise training responses in COPD patients with and without Alpha-1 antitrypsin deficiency**
Inga Jarosch (Schönau am Königssee, Germany), Wolfgang Hitzl, Andreas Rembert Koczulla, Marion Wencker, Tobias Welte, Rainer Gloeckl, Sabina Janciauskiene, Klaus Kenn
- 09:30 Minimal clinically important difference in 30 second sit-to-stand test after pulmonary rehabilitation in patients with COPD**
Ernesto Crisafulli (Modena (MO), Italy), Andrea Zanini, Michele D'Andria, Cristina Gregorini, Francesca Cherubino, Elisabetta Zampogna, Andrea Azzola, Antonio Spanevello, Alfredo Chetta
- 09:45 Responsiveness of a short stair climb power test to pulmonary rehabilitation in COPD**
Sarah Jones (Berkshire, United Kingdom), Matthew Maddocks, Claire Nolan, Suhani Patel, Ruth Barker, Samantha Kon, Nicholas Hopkinson, William Man
- 10:00 Variability in access and referral to pulmonary rehabilitation in European bronchiectasis patients enrolled in the EMBARC registry**
Paul Walker (Wirral (Merseyside), United Kingdom), B Herrero, A Spinou, K Dimakou, F Blasi, F Ringshausen, A De Soyza, M Vendrell, P C Goeminne, W Boersma, C Haworth, M Murris, A T Hill, M R Loebinger, R Menendez, A Torres, T Welte, R Wilson, J S Elborn, S Aliberti, J D Chalmers, E Polverino

08:30 - 10:30

Oral presentation: Innovative tobacco cessation approaches and trends in tobacco and e-cigarette use

Disease(s) : Airway diseases

Method(s) : Public health Epidemiology

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Linnea Hedman (Luleå, Sweden)

08:30	The use of electronic cigarette by smokers and ex-smokers is associated with a poor perceived health status in the population-based Constances cohort Emeline Lequy (Paris, France), Emmanuel Wiernik, Iris Hourani, Diane Cyr, Rachel Nadif, Cédric Lemogne, Marcel Goldberg, Marie Zins, Guillaume Airagnes
08:45	Exposure of electronic cigarettes in Russia: results from Russian tobacco control policy evaluation study Marine Gambaryan (Moscow, Russian Federation), Marina Popovich, Anna Kalinina, Michail Starovoytov, Sergey Boytsov, Oxana Drapkina
09:00	Prevalence and correlates of cigarillo use in European Union member states Filippos T. Filippidis (London, United Kingdom), Enkeleint-Aggelos Mechili, Charis Girvalaki, Constantine Vardavas
09:15	Reduced smoking last ten years was driven by young women smoking less Emma Goksör (Molnlycke, Sweden), Göran Wennergren, Styliana Vasileiadou, Roxana Mincheva, Bright Nwaru, Bo Lundbäck, Linda Ekerljung
09:30	WHO-ERS project on smoking cessation in primary care in countries with high prevalence of tobacco use. First year experience Paraskevi Katsaounou (Athens, Greece), Christina Gratziou, Carlos Jimenez Ruiz, Marine Faure, Brian Ward, Sofia Ravara, Vinayak Mohan Prasad, Kristina Mauer-Stender, Jagdish Kaur, Angela Ciobanu, Syed Mahfuzul Huq, Dongbo Fu
09:45	Financial incentives combined with a smoking cessation group training programme increase abstinence rates in employees: a cluster randomized trial Onno C. P. van Schayck (Maastricht, Netherlands), Floor A. Van Den Brand, Gera E. Nagelhout, Bjorn Winkens, Niels H. Chavannes
10:00	A 12 month smoking cessation outcome-Allen Carr's Easyway to Stop Smoking-a randomised clinical trial Sheila Keogan (Dublin 8, Ireland), Shasha Li, Luke Clancy

10:45 - 12:45

Symposium: Palliative care specific for respiratory diseases

Aims : to describe the current state-of-the-art of palliative care in the specific setting of respiratory disease. Special attention will be paid to the following: the collaboration between the patient and the professional team; the specific problems that are faced in lung cancer; and the specific problems that are encountered in patients with chronic obstructive pulmonary disease or interstitial lung disease and patients admitted to the intensive care unit.

Disease(s) : Interstitial lung diseases Thoracic oncology

Method(s) : General respiratory patient care Respiratory intensive care Surgery

Tag(s) : Clinical

Target audience : Critical/Intensive care physician, General practitioner, Nurse, Patient, Student, Thoracic oncologist, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician

Chairs : Lieuwe Bos (Amsterdam, Netherlands), Anita Simonds (London, United Kingdom)

10:45	Palliative care - an alliance between the patient, the pulmonologist and the palliative care team Claudia Bausewein (München, Germany)
11:15	Palliative care specific for lung cancer Torsten Gerriet Blum (Berlin, Germany)
11:45	Palliative care specific for patients with chronic respiratory disease Speaker to be confirmed
12:15	End-of-life care specific for patients in the intensive care unit J. Randall Curtis (Seattle, WA, United States of America)

10:45 - 12:45

Symposium: Endoscopic solutions for obstructive lung diseases

Endoscopic solutions for obstructive lung diseases

Aims : to describe the minimally invasive solutions that are increasingly being offered for obstructive lung diseases. The symposium will describe the limitations and complications of each solution and provide recommendations.

Disease(s) : Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Imaging**Tag(s) :** Clinical**Target audience :** Clinical researcher, General practitioner, Nurse, Physiotherapist, Radiologist, Student, Thoracic surgeon, Trainee, Adult pulmonologist/Clinician**Chairs :** Daniela Gompelmann (Heidelberg, Germany), Gerard J. Criner (Philadelphia, United States of America)**10:45** **Endoscopic lung volume reduction**
Felix J.F. Herth (Heidelberg, Germany)**11:15** **Endoscopic treatment of severe asthma**
Pallav L. Shah (London, United Kingdom)**11:45** **Chronic bronchitis and endoscopy**
Karin Klooster (Groningen, Netherlands)**12:15** **Targeted lung denervation**
Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa)

10:45 - 12:45

Symposium: The asthma-allergy “family”
Relationships within and beyond the lungs**Aims :** to provide practicing clinicians an update on the molecular biology and pathology of the “organs” that associate with asthma and to describe how these “organs” and allergy connect to asthma. These “organs” include the gut, skin, nose and small airways. This session will help day-to-day clinicians to become aware of the roles that these “organs” play in the clinical manifestations of asthma. This session will also provide an update on the immunoregulatory pathways that are involved in the clinical manifestations of asthma.**Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care**Tag(s) :** Translational**Target audience :** Allergist, Clinical researcher, General practitioner, Nurse, Paediatrician, Pathologist, Patient, Scientist (basic, translational), Student, Trainee**Chairs :** Ay e Arzu Yorganc o lu (Izmir, Turkey), Jean Bousquet (Montpellier, France)**10:45** **The gut**
Cezmi A. Akdis (Davos, Switzerland)**11:15** **The skin**
Isabella Annesi Maesano (Paris, France)**11:45** **Allergy**
Ioana Agache (Brasov (Brasov), Romania)**12:15** **The small airways**
Matteo Bonini (London, United Kingdom)

10:45 - 12:45

Symposium: Effects of smoking on asthma
Effects of smoking cessation on asthma immunology and outcomes**Aims :** to provide pulmonologists, paediatricians, investigators and health allied professionals with an update on smoking in asthma; to describe new information about the smoking cluster of patients with severe asthma; to describe how to handle the smoking asthmatic phenotype; to encourage concern about special groups of smokers (pregnant women, parents, etc.); and to highlight the need for organising specific programs for asthmatics who smoke.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology Epidemiology Physiology Public health Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Allergist, Clinical researcher, Critical/Intensive care physician, General practitioner, Lung function technologist, Nurse, Paediatrician, Pathologist, Patient, Physiologist, Physiotherapist, Policy maker, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician**Chairs :** Michael Peters (San Francisco, United States of America), Stylianos Loukides (Athens, Greece)**10:45** **Characteristics of the smoking asthmatic patient cluster - data from U-BIOPRED**
Christos Rossios (London, United Kingdom)

11:15 How smoking modifies inflammation and immunology of asthma
Peter J. Barnes (London, United Kingdom)

11:45 How I took control of my severe asthma
Breda Flood (Gorey, Ireland)

12:15 Smoking cessation interventions and asthma control: for whom, how, what to expect
Paraskevi Katsaounou (Athens, Greece)

10:45 - 12:45

Hot topics: Emerging and novel imaging biomarkers in drug-induced interstitial lung disease

Aims :

(i) To explore the current evidence regarding drug-induced lung toxicity, thereby highlighting its growing impact; (ii) to describe the in vivo models that are being used to elucidate the cell and extracellular matrix changes that underlie drug-induced interstitial lung disease (DIILD) and to identify imaging biomarkers for the detection and quantification of DIILD; (iii) to describe the new imaging techniques for assessing interstitial lung disease and their potential usefulness in DIILD; and (iv) to describe the potential clinical uses of molecular probes for detecting, staging and quantifying fibrosis and fibrogenesis.

Disease(s) : Interstitial lung diseases

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Clinical researcher, Radiologist, Scientist (basic, translational), Student, Trainee, Adult pulmonologist/Clinician

Chairs : Philippe Camus (Dijon, France), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

10:45 Drug-induced interstitial lung disease: known knowns and known unknowns
Elisabeth Bendstrup (Vejle, Denmark)

11:15 MRI and CT imaging of in vivo models of drug-induced interstitial lung diseases.
Irma Mahmutovic Persson (Lund, Sweden)

11:45 Use of MRI for functional and structural assessment of interstitial lung disease
James M. Wild (Sheffield (South Yorkshire), United Kingdom)

12:15 Non-invasive molecular imaging of pulmonary fibrosis
Sydney Montesi (Boston, United States of America)

10:45 - 12:45

Hot topics: Important changes in the management of tuberculosis

Aims : New developments in translational research are having a significant impact on the clinical management of TB. This session will give attendees an idea of the future and how we will eventually be able to eradicate TB.

Disease(s) : Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care Public health

Tag(s) : Translational

Target audience : Clinical researcher, Patient, Policy maker, Scientist (basic, translational), Trainee, Adult pulmonologist/Clinician

Chairs : Keertan Dheda (Cape Town, South Africa), Martina Sester (Homburg (Saar), Germany)

10:45 When will genetic testing replace standard drug susceptibility testing?
Daniela Maria Cirillo (Milano (MI), Italy)

11:15 Tuberculosis in vulnerable populations: the E-DETECT TB project
Alberto Matteelli (Brescia (BS), Italy)

11:45 The updated European Union standards of tuberculosis care
Marieke van der Werf (Stockholm, Sweden)

12:15 Can we predict who will develop TB among those with a positive interferon- release assay (IGRA)?
Speaker to be confirmed

10:45 - 12:45

Poster discussion: New developments in paediatric asthma

Disease(s) : Airway diseases Respiratory critical care Respiratory infections

Method(s) : Epidemiology Physiology Cell and molecular biology General respiratory patient care Public health Respiratory intensive care

Chairs : Rebeca Mozún Torrico (Bern, Switzerland)

Whole-genome sequencing of Costa Rican children with asthma identifies CRISPLD2 as a candidate gene for lung function

Bo Chawes (Brønshøj, Denmark), Julian Hecker, Christoph Lange, Scott Weiss, Jessica Lasky-Su

Cord blood eosinophils and Type 2 Innate lymphoid cells are correlated in infants born to mothers with asthma during pregnancy

Gabriela Martins Costa Gomes (Newcastle (NSW), Australia), Patricia De Gouveia Belinelo, Malcolm R. Starkey, Kathryn Jesson, Phil M. Hansbro, Vanessa E. Murphy, Kate Hardaker, Paul D. Robinson, Peter D. Sly, Peter G. Gibson, Joerg Mattes, Adam M. Collison

MicroRNA-133a alleviates airway remodeling in asthma through PI3K/AKT/mTOR signaling pathway by targeting IGF1R

Changchong Li (Wenzhou (Zhejiang), China), Youyou Shao, Xiaoguang Hu, Hailin Zhang, Lei Chong, Haiyan Li, Lili Zhu, Qiuping Wu

Topological data analysis (TDA) of U-BIOPRED paediatric peripheral blood gene expression identified asthma phenotypes characterised by alternative splicing of glucocorticoid receptor (GR) mRNA

Karen Affleck (Herts, United Kingdom), James P. R. Schofield, Jeanette Bigler, Michael Boedigheimer, Adam Taylor, Stelios Pavlidis, John H Riley, Fabio Strazzeri, Graham Roberts, Joost Brandsma, Aruna Bansal, Ben Nicholas, Yang Xian, Anthony Rowe, Julie Corfield, Susan Wilson, Jonathan Ward, Rene Lutter, Louise Fleming, Dominick Shaw, Bakke Per, Massimo Caruso, Sven-Erik Dahlen, Stephen Fowler, Simone Hashimoto, Ildiko Horvath, Peter Howarth, Norbert Krug, Paolo Montuschi, Marek Sanak, Thomas Sandstrom, Florian Singer, Kai Sun, Ioannis Pandis, Charles Auffray, Bertrand De Meulder, Diane Lefaudeux, Richard Knowles, Neil Fitch, Ana Sousa, Ian Adcock, Kian Fan Chung, Peter Sterk, Paul Skipp, Ratko Djukanovic

Weighted Gene Co-expression Network Analysis of blood paediatric samples from the U-BIOPRED study identifies oxidative stress association with asthma severity

Stelios Pavlidis (London, United Kingdom), Yike Guo, Kai Sun, Bertrand De Meulder, John Riley, Karen Affleck, Adam Taylor, James Schofield, Anthony Rowe, Matthew Loza, Frederic Baribaud, Ioannis Pandis, Ana Sousa, Julie Corfield, Richard Knowles, Ratko Djukanovic, Charles Auffray, Peter J. Sterk, Ian Adcock, Fan Chung, Simone Hashimoto, Louise Fleming, Graham Roberts

Phenotype-endotype in very severe preschool wheezers: The P'titAsthme cohort

Michael Fayon (Bordeaux, France), Valérie Siao, Stéphane Blanchon, Hugues Begueret, Antoine Benard, Patrick Berger

Distinguishing wheezing phenotypes in childhood: a pooled analysis of five birth cohorts

Ceyda Oksel (London, United Kingdom), Raquel Granell, John Henderson, Adnan Custovic

Incidence and risk factors of pediatric asthma exacerbations in a multinational, multidatabase cohort study

Esmé J. Baan (Rotterdam, Netherlands), Maria De Ridder, Marjolein Engelkes, Elisabeth Svensson, Daniel Prieto-Alhambra, Francesco Lapi, Carlo Giaquinto, Gino Picelli, Frank Albers, Lee Evitt, Eric Bradford, Melissa K Van Dyke, Peter Rijnbeek, Miriam Sturkenboom, Hettie M Janssens, Katia M C Verhamme

Are episodic viral wheeze and multiple-trigger wheeze distinct and constant patterns?

Maud Raaymakers (Breda, Netherlands), Paul Brand, Marielle Pijnenburg, Anja Vaessen-Verberne

Correlation between RINT values and echocardiographic indices in pre-school children with chronic cough and wheezing.

Giuseppe Fabio Parisi (Catania (CT), Italy), Sara Manti, Valentina Giacchi, Pietro Sciacca, Lucia Tardino, Caterina Cuppari, Carmelo Salpietro, Ashish Chikermane, Salvatore Leonardi

Particles in exhaled air (PExA) in assessment of asthma in children

Maria Juusela (Espoo, Finland), Kristiina Malmström, Venla Aaltonen, Seppo Sarna, Erik Qvist

ReCIVA breath sampling in pediatric asthma: a feasibility study

Karl Holden (Leicester (Leicestershire), United Kingdom), Teresa McNally, Dahlia Salman, Caroline Beardsmore, Wadah Ibrahim, Chris Brightling, Salman Siddiqui, Paul Thomas, Erol Gaillard

Asthma reviews in primary care which include spirometry lead to improved asthma control in children

David Lo (Loughborough (Leicestershire), United Kingdom), Lesley Danvers, Damian Roland, Matthew Richardson, Yaling Yang, Caroline Beardsmore, Andrew Wilson, Erol Gaillard

Design and development of a simulation game for parents of preschool children with asthma: an evidence-based approach.

David Drummond (Paris , France), Antoine Tesniere, Alice Hadchouel

Substitution of outpatient care in asthmatic children by online monitoring: Barriers and facilitators for implementation

Lara S. van den Wijngaart (Nijmegen, Netherlands), Wytse W. Geense, Annemie L.M. Boehmer, Marianne L. Brouwer, Cindy A.C. Hugen, Bart E. Van Ewijk, Mariejose Koenen, Anneke M. Landstra, Laetitia E.M. Niers, Lonneke Van Onzenoort, Mark D. Ottink, Eleonora R.V.M. Rijkers-Mutsaerts, Iris Groothuis, Anja A. Vaessen-Verberne, Jolt Roukema, Peter J.F.M. Merkus

Mepolizumab for severe eosinophilic asthma: a comparison of efficacy in children, adolescents, and adults

Atul Gupta (London, United Kingdom), Jonathan Steinfeld, Robert Price, Jay Azmi, Eric Bradford, Steven Yancey

Effects of increased ventilation in homes of asthmatic, house dust mite allergic children: A randomised controlled trial

Nina Viskum Hogaard (Skodstrup, Denmark), Torben Sigsgaard, Susanne Halten, Lone Agertoft, Thomas Houmann Petersen, Niels Küchen, Lars Bo Gunnarsen, Barbara Kolarik, Nadja Lyng, Michal Spilak, Marie Frederiksen, Sune Leisgaard Mørck Rubak

10:45 - 12:45

Poster discussion: Endoscopic lung volume reduction**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Endoscopy and interventional pulmonology Imaging General respiratory patient care**Chairs :** Dirk-Jan Slebos (Groningen, Netherlands), Konstantina Kontogianni (Heidelberg, Germany)**Long-term follow-up after endoscopic valve therapy in patients with severe emphysema**

Daniela Gompelmann (Heidelberg, Germany), Tobias Heinhold, Elena Bischoff, Ralf Eberhardt, Konstantina Kontogianni, Felix Jf Herth, Matthias Rötting

Influence of endoscopic lung volume reduction with valves on the pulmonary gas exchange

Katharina Stiehl (Essen, Germany), Darwiche Kaid, Rüdiger Karpf-Wissel, Heinz Steveling, Christian Taube, Jane Winantea

Electromagnetic navigation bronchoscopy: parameters associated with a positive result

Oscar Claveria (Pamplona, Spain), Jessica Gonzalez, Andres Blanco, Luis Seijo, Juan Berto, Javier J. Zulueta

Removal of diseased emphysematous tissue with bronchoscopic thermal vapor ablation (BTVA)

Felix J.F. Herth (Heidelberg, Germany), Daniela Gompelmann, Arschang Valipour, Greg Snell, Christian Grah, Christian Witt, Peter Hopkins, Ralf Eberhardt, Pallav Shah

Quantitative CT Analysis for Fissure Completeness in Bronchoscopic Lung Volume Reduction

Sei Won Lee (Seoul, Republic of Korea), So Youn Shin, Tae Sun Park, Sang Young Oh, Sang Min Lee

Five years outcome of Karakoca Resector Balloon dilatation and curettage method in Severe COPD (chronic obstructive pulmonary disease)

Yalcin Karakoca (Istanbul, Turkey), Guler Gogus, Seha Akduman, Baykal Erturk

Computed Tomography Predictors of Pneumothorax and Hemoptysis after Endobronchial Valve Therapy for Emphysema

Diogo Oliveira (Porto Alegre (RS), Brazil), Miranda Kirby, Joshua Schirm, Fabio Munhoz Svartman, Marcel Rodrigues, Pedro Grynblat, Hector Defranchi, Hugo Caballero Duran, Amarilio Viera Macedo Neto, Hugo Oliveira

The "Coil Associated Opacity" in endoscopic emphysema treatment. Friend or foe?

Michael Perch (Gentofte, Denmark), Helle Hjort Johannesen, Anne-Marie Kanstrup Fiehn, Mette Siemsen, Jann Mortensen

Impact of radiological changes on treatment outcome following endoscopic lung volume reduction with coils (LVRC) in patients with advanced emphysema

Konstantina Kontogianni (Heidelberg, Germany), Vasiliki Gerovasili, Ralf Eberhardt, Felix J.F. Herth, Claus Peter Heussel, Daniela Gompelmann

Efficacy and safety of bronchoscopic lung volume reduction (BLVR) modalities functioning independent of collateral ventilation in advanced emphysema: Systematic review and meta-analysis

Naveen Dutt (Jodhpur (Rajasthan), India), Neeti Rustagi, Surjit Singh, Shashank Shekhar, Ashok Kuwal, Kirti Chaudhry, Richard Kirubakaran

Altered intercostal muscle structure following successful endobronchial lung volume reduction: a pilot study

Peter Wallbridge (Melbourne (VIC), Australia), Mark Hew, Selina Parry, Gary Hammerschlag, Louis Irving, Daniel Steinfert

Endobronchial valves and spigots in a non-standard indication

Hana Bartáková (Praha, Czech Republic), Juraj Simovic, Jiri Votruba

Changes in functional capacity after endoscopic lung volume reduction in patients with chronic obstructive lung disease and severe emphysema

Thomas Berghaus (Augsburg, Germany), Fabian Geissenberger, Stefanie Bader, Christian Faul, Martin Schwaiblmair

Is bronchoscopic follow up useful after Bronchoscopic Lung Volume Reduction (BLVR) with endobronchial valves?

Valentina Luzzi (Firenze (FI), Italy), Margherita Innocenti, Sofia Romani, Fausto Leoncini, Michela Bezzi

Pneumothorax after Bronchoscopic Lung Volume Reduction with Endobronchial Valves (EBV-BLVR): Is there any correlation with number of valves?

Valentina Luzzi (Firenze (FI), Italy), Mauro Novali, Michela Bezzi

Fissure analysis with StratX software and Chartis system for bronchoscopic lung volume reduction (BLVR) with valves

Valentina Luzzi (Firenze (FI), Italy), Margherita Innocenti, Fausto Leoncini, Michela Bezzi

Reasons for not receiving interventional therapy in patients with severe emphysema

Markus Polke (Heidelberg, Germany), Matthias Roetting, Nilab Sarmand, Ralf Eberhardt, Felix Herth, Daniela Gompelmann

Physical activity in patients with endoscopic lung volume reduction measured with a SenseWear Armband

Lea Schotten (Essen, Germany), Filiz Oezkan, Birte Schwarz, Jane Winantea, Christian Taube, Kaid Darwiche

10:45 - 12:45

Poster discussion: Determinants and monitoring of asthma control**Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Epidemiology Cell and molecular biology**Chairs :** Szymon Skoczyński (Katowice, Poland), Chair to be confirmed**Comparable efficacy of calcilytic and corticosteroid in short-term and long-term allergic asthma models in vivo**

Daniela Riccardi (Cardiff, United Kingdom), Ping Huang, Polina Yarova, Martin Schepelmann, Emma J Kidd, William R Ford, Kenneth J Broadley, Christopher J Corrigan, Jeremy Pt Ward, Paul J Kemp

A practical guide for interpretation of ERS guidelines for methacholine challenge test (MCT)

Jason Suggett (London (ON), Canada), Mark Nagel

The research of cooperativity of patients with asthma

Juliya M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Larisa V. Bogovin, Helena I. Karapetian, Anastasia S. Shabanova

Role of Aspergillus infection in uncontrolled Asthma

Sami Eldahdouh (Shebin Elkom, Egypt)

Valved holding chamber (VHC) angle can affect pressurized metered-dose inhaler (pMDI) medication delivery efficiency

Jason Suggett (London (ON), Canada), Mark Nagel, Val Avvakoumova, Jolyon Mitchell

The changes of asthma control and management, patients' perception for the past decade in China

Jiangtao Lin (Beijing, China), Wenqiao Wang, Xin Zhou, Kaisheng Yin, Chuntao Liu, Changzheng Wang, Mao Huang, Ping Chen, Shaoxi Cai, Changgui Wu, Yadong Yuan, Jing Li, Qichang Lin, Jiangying Zhou, Huiguo Liu, Yuhai Gu, Xingang Huang, Dejun Sun, Xiaohong Yang, Lan Yang, Jianmin Huo, Zhuochang Chen, Wei Zhou, Ping Jiang, Huaping Tang, Rongyu Liu, Wei Zhang, Yiqiang Chen, Yijiang Huang, Xiaoju Liu, Luming Dai, Xianwei Ye, Chengping Hu, Jianying Xu

Deep learning facilitates the diagnosis of adult asthma

Katsuyuki Tomita (Yonoga, Japan), Hirokazu Touge, Hiromitsu Sakai, Hiroyuki Sano, Yuji Tohda

Quantitative assessment of hyposalivation and the risk of oropharyngeal problems in asthmatic patients
Setsuko Koshiyama (kyoto city, Japan), Kayoko Ito, Daiki Hira, Yuko Komase, Susumu Satoh

Perceived satisfaction when using an app designed to improve control in moderate-severe asthma patients.

Sonia Herrero Martin (Pamplona (Navarra), Spain), Francisco Javier Campano Lancharro, Tamara Gutiérrez Urra, Ruth García Rey, Marisol Gómez Fernández, Alberto Cuesta Remón, Javier Hueto Pérez De Heredia, Pilar Cebollero Rivas

Severe asthma and high doses of corticosteroid adversely impact trabecular bone score more than bone mineral density

Young-Min Ye (Suwon, Republic of Korea), Yong Jun Choi, Hyun-Young Lee, Duk Yong Yoon, An-Hye Kim, Hae-Sim Park

Asthma patients are Still Fighting for Breath

Paraskevi Katsaounou (Athens, Greece), Mikaela Odemyr, Otto Spranger, Michael E. Hyland, athias Gasser, Ioannis Kottakis, Xavier Jaumont, Ismail Kasuje

Impact of bronchiectasis on severe asthma: data from the “Severe Asthma Network Italy” (SANI) registry

Enrico Marco Heffler (Torino (TO), Italy), Stefano Aliberti, Concetta Sirena, Alice D'Adda, Sebastian Ferri, Nunzio Crimi, Manuela Latorre, Gianenrico Senna, Pierluigi Paggiaro, Francesco Blasi, Giorgio Walter Canonica

Are elderly and aged asthma different diseases? Results of a multicenter study

Ebru Celebioglu (Ankara, Turkey), Ozge Ozturk Aktas, Bilun Gemicioglu, Nafiye Yilmaz, Fulsen Bozkus, Vehbi Ayhan, Fusun Kalpaklioglu, Ferda Oner Erkeköl, Yavuz Havlucu, Fuat Erel, Omur Aydin, Aydanur Ekici, Ayse Baccioglu, Serap Argun Baris, Gozde Koycu Buhari, Berrin Ceyhan, Ozlem Goksel, Mehmet Kose, Adile Berna Dursun, Fusun Yildiz, Arzu Yorgancioglu, Sacide Rana Isik, Dane Ediger, Ipek Kivilcim Oguzulgen, Gul Karakaya, Ali Fuat Kalyoncu

Club Cell Protein-16 modifies airway inflammation in asthma and is associated with significant clinical asthma outcomes

Monica Kraft (Tucson, United States of America), Julie Ledford, Justyna Gozdz, Xingan Li, David Francisco, Akarsh Manne, Stefano Guerra, Fernando Martinez, Naftali Kaminski, Sally Wenzel, Deborah Meyers, Eugene Bleeker

FASE-CPHG Study: Identification of asthma phenotypes in the French Severe Asthma Study using cluster analysis

Chantal Raherison-Semjen (Pessac, France), Anne Prudhomme, Cecilia Nocent-Eijnani, Jean-Philippe Oster, Cyril Maurer, Daniel Coetmoeur, Bertrand Lemaire, Toufik Didi, Eric Parrat, Didier Debieuve, Laurent Portel

Usefulness of a new JACS questionnaire in assessing the influence of inhalation guidance on asthma control level; comparison of 4 different devices of ICS/LABA

Hiroshi Tanaka (Sapporo, Japan), Soichiro Hozawa, Yuji Tohda

The cost and benefits of exhaled nitric oxide (NO) measurement in asthma - The results from three years follow-up study

Sy Duong-Quy (Da Lat, Vietnam), Nhu Doan-Thi-Quynh, Dinh Tran-Thanh, Thong Hua-Huy, Craig Timothy, Anh-Tuan Dinh-Xuan

Predictors of severe exacerbations in patients with moderate and severe asthma

Denitsa Dimitrova (Sofia, Bulgaria), Vania Youroukova, Tsvetelina Velikova, Kalina Tumangelova-Yuzeir

10:45 - 12:45

Poster discussion: Biomarkers of COPD and asthma-COPD overlap syndrome (ACOS)

Disease(s) : Airway diseases Thoracic oncology

Method(s) : General respiratory patient care Physiology Cell and molecular biology Imaging

Chairs : Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Eric D. Bateman (Cape Town, South Africa)

Blood eosinophilia in patients with COPD, a real life evaluation

Margarida Baptista Duarte Barata (Lisboa, Portugal), Teresa Martín, Ricardo Gomes, Helena Grumete, Fernando Menezes, José Duarte

Relationship between blood eosinophil levels and severity of COPD

Ahmed Ben Saad (Monastir, Tunisia), Rim Khemakhem, Saousen Cheikh Mhamed, Nesrine Fahem, Asma Migaou, Samah Joobeur, Naceur Rouatbi

Overlapping biologic exacerbation clusters in asthma and chronic obstructive pulmonary disease have distinct sputum mediator and microbiome profiles

Sarah Diver (Stockport (Cheshire), United Kingdom), Michael Ghebre, Pee Hwee Pang, Dhananjay Desai, Mona Bafadhel, Koirobi Haldar, Tatiana Kebabdz, Suzanne Cohen, Paul Newbold, Laura Rapley, Joanne Woods, Paul Rugman, Ian Pavord, Sebastian Johnston, Michael Barer, Richard May, Christopher Brightling

10-year follow-up of hospitalised COPD-patients: Comorbidities, mortality and cause of death

Terttu Harju (Oulu, Finland), Lotta Peltonen, Heikki Pääsi, Risto Bloigu

Increased urinary l-histidine in patients with asthma–chronic obstructive pulmonary disease overlap

Jae Jeong Shim (Seoul, Republic of Korea), Jee Youn Oh, Juwhan Choi, Young Seok Lee, Kyung Hoon Min, Gyu Young Hur, Sung Yong Lee, Kyung Ho Kang

GC MS based untargeted metabolomics for understanding the pathophysiology of asthma COPD overlap (ACO)

Nilanjana Ghosh (Kharagpur (West Bengal), India), Sivakumar Raju Rathnakaram, Sandeep R. Kaushik, Rakesh Arya, Ranjan Nanda, Parthasarathi Bhattacharyya, Sushmita Roy Chowdhury, Rintu Banerjee, Koel Chaudhury

Identifying asthma features in severe COPD

Sandhya Matthes (München, Germany), Jakob Stadler, Jürgen Barton, Heidrun Villena-Hermoza, Marion Frankenberger, Nikolaus Kneidinger, Katrin Milger, Phillip Probst, Gabriela Leuschner, Dieter Muncker, Paola Arnold, Andrea Koch, Jürgen Behr, Claus Neurohr

The expression of histone deacetylase 2 (HDAC2), phosphoinositide-3 kinase d (PI3Kd), and glucocorticoid receptor (GR) isoforms α , β in subtypes of asthma–COPD overlap (ACO).

Elena Vsevolodskaya (St. Petersburg, Russian Federation), Zhanna Mironova, Anna Ulitina, Vasily Trofimov, Sophia Pchelina

Factors associated with increased risk of death in COPD and COPD-asthma overlap (OV)

Vasily Belash (St. Petersburg, Russian Federation), Anastasia Tikhonova, Zhanna Mironova, Vasily Trofimov, Mikhail Zaraiski, Aleksey Sazanov, Anna Ulitina

Comparing the different diagnostic criteria of Asthma and COPD overlap

Yong Suk Jo (Seoul, Republic of Korea), Min Hye Kang, Jeong Mi Lee, Seoung Woo Han, Chin Kook Rhee

“Asthma-like features” in Chronic Obstructive Pulmonary Disease (COPD) patients

M. L. E. Bartoli (Pisa (PI), Italy), Marta Daniele, Dario Nieri, Maria Adelaide Roggi, Matteo Bradicich, Roberta Del Cesta, Cristina Cardini, Silvana Cianchetti, Barbara Vagaggini, Pierluigi Paggiaro

Stability of the eosinophilic phenotype in stable and exacerbated COPD

Desiree Schumann (Basel, Switzerland), Michael Tamm, Kostantinos Kostikas, Daiana Stolz

Stability of blood eosinophilia and neutrophil-to-lymphocyte ratio in COPD

Ya mur Kaptan (ZMR, Turkey), Asl Suner, Alev Gürgün, Abdullah Say ner

Serum Club cell16 levels as a biomarker in tobacco-smoke COPD and biomass-smoke COPD

Vivek Vardhan Veerapaneni (Hyderabad (Telangana), India), Jayaraj Bs, Chaya S.K., Lokesh K.S., Kiran Kumar Sivakoti, Rajeshkumar Tirumulappa, Mahesh P.A

Interleukin-26 in airway morbidities of long-term tobacco smokers

Karlhans Che (Stockholm, Sweden), Ellen Tufvesson, Sara Tengvall, Elisa Lappi-Blanco, Riitta Kaarteenaho, Bettina Levanen, Marie Ekberg, Annelie Brauner, Åsa M. Wheelock, Leif Björner, Magnus C. SköLd, Anders Lindén

Bronchial fibrocyte accumulation in COPD patients

Patrick Berger (Bordeaux, France), Isabelle Dupin, Matthieu Thumerel, Elise Maurat, Florence Coste, Hugues Begueret, Thomas Trian, Michel Montaudon, Roger Marthan, Pierre-Olivier Girodet

Predictive value of multiorgan imaging biomarkers for predicting exacerbations in COPD patients

Julien COHEN (GRENOBLE CEDEX 9, France), Gilbert Ferretti, Renaud Tamisier, Meriem Benmerad, Sébastien Bailly, Cevdet Ozelik, Emilie Reymond, Sam Bayat, Jean Louis Pépin

10:45 - 12:45

Poster discussion: Exploring the importance of daily physical activity in chronic respiratory disease

Disease(s) : Airway diseases Respiratory infections Sleep and breathing disorders Interstitial lung diseases

Method(s) : General respiratory patient care Public health Epidemiology

Chairs : Heleen Demeyer (Barcelona, Spain), Stephanie K. Mansell (Guildford (Surrey), United Kingdom)

Factors associated with daily life physical activity in patients with asthma

Patricia Duarte Freitas (São Paulo (SP), Brazil), Simone T C Da Silva, Rafaella F Xavier, Regina M Carvalho-Pinto, Rafael Stelmach, Alberto Cukier, Milton A Martins, Celso R F Carvalho

Identification of asthma phenotypes using cluster analysis

Patricia Duarte Freitas (São Paulo (SP), Brazil), Rafaella F Xavier, Simone T C Da Silva, Regina M Carvalho-Pinto, Rafael Stelmach, Alberto Cukier, Milton A Martins, Celso R F Carvalho

Previous physical activity level as a predictor of cognitive and emotional status during acute exacerbation of COPD

Irene Torres Sanchez (Santa Fe, Spain), Maria Granados Santiago, Ramón Romero-Fernández, Marie Carmen Valenza, Janet Rodriguez-Torres, Laura López-López

Impact of physical activity level on symptomatology and functionality during an acute exacerbation in COPD patients.

Laura Lopez Lopez (Granada, Spain), Silvia Merlos Navarro, Ramón Romero Fernández, María Granados Santiago, Janet Remedios Rodríguez Torres, Irene Torres Sánchez

Influence of physical activity, sedentary behaviour, body composition and skeletal muscle force to identify phenotypes in COPD patients: a 12 months follow-up

Rafaella Xavier (São Paulo (SP), Brazil), Aline Lopes, Ana Carolina Caporali, Rafael Stelmach, Frederico Fernandes, Regina Carvalho, Alberto Cukier, Ercy Ramos, Celso Carvalho

Using physical capacity to classify inactivity in COPD

Susan Lassche (Groesbeek, Netherlands), Jeannette Peters, Hanneke Van Helvoort, Alex Van 'T Hul, Jeroen Van Hees

Identifying inconsistencies in intervention descriptors and outcome reporting within systematic reviews of physical activity interventions in COPD

Hayley Lewthwaite (Adelaide (SA), Australia), Tanja W Effing, Tim Olds, Marie T Williams

Sedentary behaviour in an Australian cohort of people with COPD

Sonia Cheng (Sydney (NSW), Australia), Zoe McKeough, Jennifer Alison, Sarah Dennis, Emmanuel Stamatakis

Effect of short-form, sun-style tai chi on physical activity in people with COPD

Sonia Cheng (Sydney (NSW), Australia), Zoe McKeough, Regina Leung, Sally Wootton, Jennifer Alison

Can do' versus 'do do': a novel concept in patients with COPD

Noortje Koolen (Nijmegen, Netherlands), Jeroen Van Hees, Rob Van Lummel, Richard Dekhuijzen, Remco Djamin, Martijn Spruit, Alex Van 'T Hul

Classification Decision Tree models to understanding subjects with COPD physical activity profiles: Preliminary results

Antenor Rodrigues (Londrina (PR), Brazil), Luiz Antonio Lima Rodrigues, Lorena Paltain Schneider, Felipe Vilaça Cavallari Machado, Letícia Belo, Thais Paes, Karina Couto Furlanetto, Carlos Augusto Camillo, Nidia Aparecida Hernandez, Fabio Pitta

Clinical characteristics, physical function, physical activity and their associations with body composition phenotypes in patients with COPD.

Felipe Machado (Londrina (PR), Brazil), Lorena Schneider, Jéssica Fonseca, Letícia Fernandes, Camila Bonomo, Andrea Morita, Antenor Rodrigues, Karina Furlanetto, Josiane Felcar, Frits Franssen, Martijn Spruit, Fabio Pitta, Nidia Hernandez

Is physical activity equally reduced in patients with respiratory disease? – Preliminary results

Humberto Silva (Londrina, Brazil), Wagner F Aguiar, Aline F L Gonçalves, Thatielle G Silva, Walter A S Loyola, Paulo S Pereira, Antenor Rodrigues, Vanessa S Probst, Fabio Pitta, Carlos A Camillo

Nocturnal sleep and daytime physical activity in patients with ILD: Preliminary results

Wagner F Aguiar (Londrina, Brazil), Humberto Silva, Thatielle G Silva, Aline F L Gonçalves, Walter A Sepúlveda, Paulo S Pereira, Vanessa S Probst, Fabio Pitta, Carlo A Camillo

Physical activity in cystic fibrosis related diabetes

Narelle Cox (Melbourne (VIC), Australia), Anne Holland, Jennifer Alison, Tiffany Dwyer

Longitudinal assessment of physical activity: a methodological approach.

Astrid Blondeel (Leuven, Belgium), Heleen Demeyer, Matthias Loeckx, Fernanda Machiado Rodrigues, Wim Janssens, Thierry Troosters

Activities of daily living in adolescents: a feasibility study.

Fernanda De Cordoba Lanza (São Paulo (SP), Brazil), Danila Cano, Ariane Crispim, Karina Nascimento, Jessyca Selman, Simone Dal Corso

10:45 - 12:45

Poster discussion: New therapies for respiratory infections: experimental and translational studies**Disease(s) :** Respiratory infections Respiratory critical care Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Physiology Respiratory intensive care**Chairs :** Martin Witzernath (Berlin, Germany), Anand Shah (London, United Kingdom)**Airway administration of therapeutic antibody (tAb) confers higher protection than parenteral administration in a murine model of acute lung infection**

Thomas Secher (Tours, France), Emilie Dalonneau, Christelle Parent, Nathalie Heuzé-Vourc'H

EPs@7630 reduced Rhinovirus bronchial epithelial cell infection and modified host defence systems

Michael Roth (Basel, Switzerland), Lei Fang, Daiana Stolz, Michael Tamm

Therapeutic intratracheal phage application against *Acinetobacter baumannii* lung infection in mice

Sandra-Maria Wienhold (Berlin, Germany), Markus Brack, Geraldine Nouailles, Claudius Seitz, Anton Ross, Holger Ziehr, Kristina Dietert, Corinne Gurtner, Olivia Kershaw, Achim Dieter Gruber, Manfred Rohde, Norbert Suttrop, Christine Rohde, Martin Witzernath

Intrapulmonary pharmacokinetics of laninamivir in healthy subjects: Comparison between a nebulizer and a dry powder inhaler

Kaoru Toyama (Tokyo, Japan), Hitoshi Ishizuka, Hidetoshi Furuie

***Streptococcus pneumoniae* inhibits *Pseudomonas aeruginosa* growth on nasal human epithelium in vitro**

Song Huang (Plan les ouates, Switzerland), Carole Bertinetti, Ophélie Verbeke, Mireille Caul-Futy, Paul Alouani, Ludovic Wiszniewski, Samuel Constant

The biological effect of intrapleural tissue plasminogen (tPA) activator and DNase delivery in pleural infection patients.

Nikolaos Kanellakis (Patras, Greece), John Wrightson, Rob Hallifax, Rachel Mercer, Maged Fayed, Rachelle Asciak, Ioannis Psallidas, Najib Rahman

Telavancin vs. linezolid in an animal model of severe MRSA pneumonia

Denise Battaglini (Genova, Italy), Gianluigi Li Bassi, Francesco Pagliara, Andrea Meli, Hua Yang, Minlan Yang, Ana Motos, Joaquim Bobi, Elisabet Aguilera, Tarek Senussi, John Miller, Laia Fernandez, Enric Barbeta Viñas, Antoni Torres

Experimental investigation of pulmonary *Aspergillus* infection in type 1 diabetes

Yao Ye (Shenyang, China), Wenyang Li, Wei Wang

MAIT cells contribute to a protective antiviral innate response to influenza infection

Timothy Hinks (Oxford, United Kingdom), Bonnie Van Wilgenburg, Liyen Loh, Zhenjun Chen, Troi Pediongco, Huimeng Wang, Mai Shi, Zhe Zhao, Marios Koutsakos, Simone Nussing, Sneha Sant, Zhongfang Wang, Criselle D'Souza, Catarina Almeida, Patrick Reading, Alexandra Corbett, James Mccluskey, Paul Klenerman, Katherine Kedzierska

Heat-killed *Staphylococcus aureus*-induced lung injury related to necroptosis is inhibited by toll-like receptor-2

Changchong Li (Wenzhou (Zhejiang), China), Shun-Hang Wen, Xiaoguang Hu

The role of CARD9 in *Pneumocystis* host defense

June Chae (Rochester, United States of America), Vijayalakshmi Nandakumar, Deanne Hebrink, Theodore Kottom, Andrew Limper

Tolerability of anti-infective N-chlortaurine inhaled with a smart-nebuliser

Bernhard Müllinger (Gauting, Germany), Roland Arnitz, Markus Stein, Petra Bauer, Barbara Lanthaler, Herbert Jamnig, Sabine Scholl-Bürgi, Katharina Stempf-Al-Jazrawi, Hanno Ulmer, Bernhard Baumgartner, Sabine Embacher, Simon Geisler, Johanna Gostner, Beate Kälz, Markus Nagl

High-dose nitric oxide as a potential new therapeutic agent against *Mycobacterium abscessus*.

Abdi Ghaffari (Kingston (ON), Canada), Joas Lucas Da Silva, Kristijan Bogdanovski, Adrian M. Zelazny, Kenneth N Olivier

Pattern of self-reported (cough focus) symptoms across several respiratory virus- human challenge studies

Alan Bell (Hertfordshire, United Kingdom), Michael Ghebre, Graham Clarke, Rob Lambkin Williams, Andrew Catchpole, Nicolas Noulin

Impact of age and gender on efficacy and safety of omadacycline (OMC) vs. moxifloxacin (MOX) in community-acquired bacterial pneumonia (CABP)

Julio Ramirez (Louisville, United States of America), Lynne Garrity-Ryan, Surya Chitra, Courtney Kirsch, Amy Manley, Evan Tzanis, Paul C. McGovern

10:45 - 12:45

Oral presentation: Advances in exercise physiopathology**Disease(s) :** Airway diseases Pulmonary vascular diseases Sleep and breathing disorders**Method(s) :** Physiology Imaging**Chairs :** Samuel Vergès (Grenoble, France), Thomas Radtke (Zürich, Switzerland)

10:45 **Effects of acute dual bronchodilator treatment (tiotropium + olodaterol) on cardiopulmonary interactions in hyperinflated patients with COPD**
 Danilo Cortozi Berton (Porto Alegre (RS), Brazil), Renata Diniz Marques, Brandon Palmer, Katherine Webb, Denis E O'Donnell, J Alberto Neder

11:00 **Pulsed inhaled nitric oxide (iNO) improves exercise tolerance and shortness of breath (SOB) in severe COPD subjects with pulmonary hypertension (PH)**
 Bitu Hajian (Huizen, Netherlands), Bharati Shivalkar, Francisca Ferreira, Cedric Van Holsbeke, Wim Voss, Jan De Backer, Peter Fernandes, Kathleen Sartoris, Deborah Quinn, Annemie Hufkins, Paul M Parizel, Johan Cluckers, Wilfried De Backer

11:15 **Ventilatory assistance decreases mechanical-inspiratory constraints and improves exercise tolerance in overlapping COPD-heart failure**
 Aline Souza (Belo Horizonte (MG), Brazil), Adriana Mazzuco, Maria Clara Alencar, Flávio Arbex, Mayron Faria, Wladimir Muzzeti, Denis E. O' Donnell, Luiz Eduardo Nery, J Alberto Neder, Priscila Sperandio

11:30 **Effect of dexamethasone on cerebrovascular hemodynamics in lowlanders with COPD travelling to 3100m.**
 Michael Furian (Zürich, Switzerland), Sara E Hartmann, Mona Lichtblau, Sayaka S Aeschbacher, Batyr Osmonov, Maya Bisang, Stefanie Ulrich, Hannes Knapp, Erkin Mirrakhimov, Talant Sooronbaev, Silvia Ulrich, Marc J Poulin, Konrad E Bloch

11:45 **Cardiopulmonary exercise test for risk assessment in lung resection surgery**
 Danielle Cristine Campos Bedin (São Paulo (SP), Brazil), Roberta Pulcheri Ramos, Elaine Brito Vieira, Sonia Maria Faresin, Luiz Eduardo Nery

12:00 **Prediction algorithm of Wmax in COPD and evaluation by Cardiopulmonary Exercise Testing.**
 Georgia Papapostolou (Malmö, Sweden), Linnea Jarenbäck, Jaro Ankerst, Leif Björner, Saga Jönsson, Stefan Peterson, Finn Radner, Ellen Tufvesson, Göran Eriksson

12:15 **The effect of terbutaline and resistance training on maximal oxygen consumption and exercise performance in healthy trained young men**
 Anders Lemming (Copenhagen, Denmark), Søren Jessen, Vibeke Backer, Jens Bangsbo, Morten Hostrup

10:45 - 12:45

Oral presentation: Lung cancer: novel molecular markers and mechanisms**Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Physiology Cell and molecular biology**Chairs :** Anna Streubel (Berlin, Germany)

LSC - 2018 - Trp53 signaling in lung adenocarcinoma

Maria Oploupoiou (Rion, Greece), Danai Kati (danai.kati@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Giannoula Ntaliarda (ntaliarda@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Vassilios Papaleonidopoulos (papaleonv@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Georgia Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Katerina Kauka (katerinakauka2@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Ioannis Lilis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rion), Georgios Stathopoulos (gstathop@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras, Comprehensive Pneumology Center, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL) ,Rion)

10:45

LSC - 2018 - A requirement for mast cells in lung adenocarcinoma

Giannoula Ntaliarda (Patra , Greece), Ioannis Lilis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Vassilios Papaleonidopoulos (papaleonv@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Ioanna Giopanou (giopanou@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Maria Oploupoiou (moplopoiou@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Marina Lianou (pha2306@upnet.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Georgia A Giotopoulou (giotopoulou.g@gmail.com / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Antonia Marazioti (amarazioti@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Sebastian Marwitz (smarwitz@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL),Borstel), Torsten Goldmann (tgoldmann@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Member of the German Center for Lung Research (DZL),Borstel), Vasiliki Bravou (vibra@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras,Rio), Georgios T. Stathopoulos (gstathop@upatras.gr / Department of Anatomy-Histology-Embryology, Faculty of Medicine; University of Patras,Rio)

11:00

TRAP1 downregulation could overcome gefitinib resistance in NSCLC via EMT reversal

Su Jin Oh (Iksan, Republic of Korea), Ki Eun Hwang, Eun Taik Jeong, Hak Ryul Kim

11:15

ADAM28 deletion in mice impacts lung metastasis formation

Céline Hubeau (Liège, Belgium), Catherine Gerard, Oriane Carnet, Markus Moser, Agnes NoëL, Didier Cataldo, Natacha Rocks

11:30

NTHi-induced inflammation activates the PD-1 immune checkpoint in the tumor microenvironment

Christoph Beisswenger (Homburg (Saar), Germany), Felix Ritzmann, Giovanna Vella, Christian Herr, Robert Bals

11:45

Inhibitory effects of mitochondrial TRAP1 on gefitinib-resistance in non-small lung cancer cells

Ki Eun Hwang (Iksan, Republic of Korea), Su Jin Oh, Eun Taik Jeong, Hak Ryul Kim

12:00

Trp53 signaling in lung adenocarcinoma

Maria Oploupoiou (Rion, Greece), Danai Kati, Giannoula Ntaliarda, Marina Lianou, Vassilios Papaleonidopoulos, Georgia Giotopoulou, Katerina Kauka, Ioanna Giopanou, Antonia Marazioti , Magda Spella , Ioannis Lilis, Georgios Stathopoulos

12:15

10:45 - 12:45

Oral presentation: Hot topics in non-invasive ventilation

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Physiology Respiratory intensive care

Chairs : Marieke L. Duiverman (Groningen, Netherlands), Chair to be confirmed

- 10:45 Approaching the Non Invasive Ventilation (NIV) in Amyotrophic Lateral Sclerosis (ALS) at home: a Randomized Controlled Trial**
Eleonora Volpato (Milano (MI), Italy), Salvatore D'Ascenzo, Alessandra Montini, Mara Paneroni, Silvia Grilli, Michele Vitacca, Paolo Banfi
- 11:00 The implementation of a psychological support during the adaptation to Non Invasive Ventilation (NIV) in Chronic Obstructive Pulmonary Disease (COPD): a Randomized Controlled Trial**
Eleonora Volpato (Milano (MI), Italy), Francesco Pagnini, Paolo Banfi
- 11:15 A multicenter randomized trial for the effectiveness of structured discharge and follow-up protocol on readmission rate in COPD patients receiving LTOT/NIV: one-year interim analysis.**
Begüm Ergen (Izmir, Turkey), Tugba Goktalay, Pinar Ergun, Dicle Yi Imaz, Birsen Ocakli, Alev Gurgun, Nilgun Demirci, Fatih Elverisli, Elif Yilmazer Ucar, Ali Durmaz, Asli Gorek Dilektasli, Emine Aksoy, Funda Elmas, Nurdan Kokturk, Fuat Aytekin, Metin Akgun, Ezgi Ozyilmaz, Ezgi Demirdogen Cetinoglu, Eylem Acarturk Tuncay, Sezai Tasbakan, Oner Balbay, Ahmet Ugur Demir, Recai Ergun, Sema Savci, Zuhail Karakurt, Banu Ekinci, Bilun Gemicioglu, Arzu Yorgancioglu
- 11:30 Dexmedetomidine for sedation during noninvasive ventilation in acute respiratory syndrome patients**
Kateryna Bielka (Kyiv, Ukraine), Iurii Kuchyn
- 11:45 Patient attitudes toward a handheld non-invasive ventilator to relieve breathlessness.**
Nicholas Lane (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Tom Hartley, Victoria Ferguson, Nikolaos Chynkiamis, K Gray, Ioannis Vogiatzis, Stephen Bourke
- 12:00 Respiratory Physiology-oriented High-intensity Non-invasive Ventilation**
Lili Guan (Guangzhou, China), Luqian Zhou, Rongchang Chen
- 12:15 Long term positive airway pressure effectiveness in obesity hypoventilation syndrome. Pickwick study results**
M^a Angeles Sanchez Quiroga (Plasencia, Spain), Babak Mokhlesi, Jaime Corral Peñafiel, Maria Luz Alonso Alvarez, Estrella Ordax Carbajo, Maria Fernanda Troncoso Acevedo, Monica Gonzalez Martinez, Soledad Lopez Martin, Jose Maria Marin Trigo, Sergi Marti, Trinidad Diaz Cambriles, Eusebi Chiner Vives, Felipe Esteban Aizpuru Barandiaran, Carlos Javier Egea Santaolalla, Juan Fernando Masa Jimenez

10:45 - 12:45

Oral presentation: Eosinophils in airway disease

Disease(s) : [Airway diseases](#)

Method(s) : General respiratory patient care Physiology Respiratory intensive care Cell and molecular biology

Chairs : Guy Brusselle (Ghent, Belgium), Péter Horváth (Budapest, Hungary)

- 10:45 Blood eosinophilia(BE) and outcomes in patients with acute severe exacerbations of COPD(AECOPD)**
Aung Kyaw Soe (Moscow, Russian Federation), Marina Semenovna Kevorkova, Galia Serikovna Nuralieva, Andrey Stanislavovich Belevskiy, Sergey Nikolaevich Avdeev, Alexander Grigorievich Chuchalin
- 11:00 Peripheral eosinophils and mortality in COPD patients over nine years**
Robson Aparecido Prudente (Botucatu (SP), Brazil), Carolina Mesquita, Renata Ferrari, Estefânia Franco, Suzana Tanni
- 11:15 Relationship between blood eosinophil count and bronchial epithelial gene expression in COPD versus Asthma**
Leena George (Leicester (Leicestershire), United Kingdom), John Riley, Adam Taylor, Stewart Bates, Scott Wagers, Anna Esteve-Codina, Maria Artigas, Stelios Pavlidis, Dave Singh, Kian Fan-Chung, Peter Sterk, Christopher Brightling
- 11:30 Blood eosinophil count predicts severity of respiratory failure, death and future exacerbations in severe life-threatening asthma**
Anthony Yii (Singapore, Singapore), Tunn Ren Tay, Ser Hon Puah, Hui Fang Lim, Andrew Li, Priscilla Lau, Rae-Ann Tan, Lay Ping Neo, Mariko Siyue Koh
- 11:45 Increased IL5, IL8 and eosinophils in induced sputum of asthmatics with accelerated FEV1 decline**
Mateja Marc Malovrh (Kranj, Slovenia), Luka Camlek, Sabina Skrgat, Manca Dezman, Izidor Kern, Peter Korosec
- 12:00 Persistent blood eosinophilia and COPD exacerbation risk after ICS withdrawal from triple therapy in the SUNSET study**
John R Hurst (London, United Kingdom), Konstantinos Kostikas, Kenneth R. Chapman, Stefan-Marian Frent, Michael Larbig, Robert Fogel, Tadhg Guerin, Donald Banerji, Francesco Patalano, Pankaj Goyal, Pascal Pfister, Jadwiga A. Wedzicha

- 12:15** **Biomarker measurement in asthma patients receiving biologic therapy: a real-world retrospective study**
Nicola Hanania (Houston, United States of America), Juanzhi Fang, Lujia Zhou, Benjamin Ortiz, Abhishek Kavati, Xavier Jaumont, Luisa Alvares, Hui Cao

10:45 - 12:45

Oral presentation: Upper airways morphology and diagnostics, and the challenges associated with mandibular advancement

Disease(s) : Sleep and breathing disorders

Method(s) : Physiology Imaging General respiratory patient care

Chairs : Johan Verbraecken (Edegem (Antwerp), Belgium)

- 10:45** **The position of the mandible plays a key role for determining airflow during sleep .**
Boutheina Melki (Eijsden, Netherlands), Nhat-Nam Le-Dong, Jean Christian Borel, Valerie Cuthbert, Stéphane Denison, Jean-Louis Pépin, Jean-Benoit Martinot
- 11:00** **Ultrasonography of oropharynx and surrounding soft tissues as a screening tool for OSA**
Dhruva Chaudhry (Rohtak (Haryana), India), Manjunath Govindagoudar, Jyotsna Sen, Neetu Jain, Mansi Gupta, Brijesh Prajapat, Debraj Jash
- 11:15** **How lateral airway tissues affect upper airway dimensions with mandibular advancement in obstructive sleep apnoea.**
Liz Brown (Sydney (NSW), Australia), Lauriane Juge, Peter Burke, Kate Sutherland, Peter Cistulli, Lynne Bilston
- 11:30** **Evaluation of upper airway anthropometry by ultrasonography in obstructive sleep apnea patients**
Manjunath Govindagoudar (Bagalkot (Karnataka), India), Dhruva Chaudhry, Jyotsna Sen, Neetu Jain, Debraj Jash, Brijesh Prajapat
- 11:45** **Spectral analysis of peri-pharyngeal muscles' EMG in patients with OSA and healthy subjects during wakefulness and sleep.**
Arie Oliven (Haifa, Israel), Guy Cohen, Rom Oliven, Alan Schwartz
- 12:00** **Mandibular advancement therapy does not reduce inflammatory and metabolic biomarkers in patients with severe OSA: a randomized controlled trial**
Wojciech Trzepizur (Angers CEDEX 9, France), Sylvain Recoquillon, Jean-Louis Pépin, Bruno Vielle, Vanessa Bironneau, Frédérique Chouet-Girard, Sandrine Launois, Nicole Meslier, Jean-Claude Meurice, Xuan-Lan Nguyen, Audrey Paris, Pascaline Priou, Renaud Tamisier, François Goupil, Bernard Fleury, Frédéric Gagnadoux
- 12:15** **Long-term objective compliance with a mandibular advancement device and continuous positive airway pressure in moderate obstructive sleep apnea**
Grietje E. De Vries (Groningen, Netherlands), Aarnoud Hoekema, Johannes Claessen, Cornelis Stellingsma, Boudewijn Stegenga, Huib Kerstjens, Peter Wijkstra

10:45 - 12:45

Oral presentation: Progress in basic and translational research on idiopathic interstitial pneumonias

Disease(s) : Interstitial lung diseases

Method(s) : Cell and molecular biology General respiratory patient care

Chairs : Toby Maher (St. Albans (Hertfordshire), United Kingdom), Francesco Bonella (Düsseldorf, Germany)

- 10:45** **BAL cell transcriptome predicts survival in IPF and can be used to gauge and model treatment effects interfering with the TGF-beta pathway**
Antje Prasse (Hannover, Germany), Alfonso Carleo, Benedikt Jaeger, Jonas Schupp, Paola Rottoli, Wim Wuyts, Naftali Kaminski
- 11:00** **Synergistic Drug Combination of Nintedanib and Vardenafil Inhibits Fibrosis in AKR-2B Fibroblasts**
Michael Bourne (Rochester, United States of America), Theodore Kottom, Andrew Limper
- 11:15** **CHIT1 is a novel therapeutic target in idiopathic pulmonary fibrosis (IPF): anti-fibrotic efficacy of OATD-01, a potent and selective chitinase inhibitor in the mouse model of pulmonary fibrosis**
Barbara Dymek (Warszawa, Poland), Piotr Sklepkiwicz, Michal Mlacki, Agnieszka Zagodzdzon, Robert Koralewski, Marzena Mazur, Magdalena Paplinska-Goryca, Patrycja Nejman-Gryz, Malgorzata Proboszcz, Katarzyna Gorska, Marta Maskey-Warzechowska, Natalia Przysucha, Rafal Krenke, Adam Golebiowski, Pawel Dobrzanski, Karolina Dzwonek

- 11:30 Molecular Markers of Telomere Dysfunction and Senescence are Common Findings in the Usual Interstitial Pneumonia Pattern of Lung Fibrosis**
Joyce Lee (Cherry Hills Village, United States of America), Janet La, Sara Aziz, Robert Brownell, Kirk Jones, Gary Green, Brett Elicker, Jeffrey Golden, Michael Matthay, Jasleen Kukreja, Harold Collard, Paul Wolters
- 11:45 A new Humanized Mouse Model for Idiopathic Pulmonary Fibrosis and Effects of Nintedanib Treatment**
Antje Prasse (Hannover, Germany), Benedikt Jäger, Linda Plappert, Kim Kraus, Lutz Wollin
- 12:00 Development of pulmonary fibrosis in conditional Ned4-2 deficient mice**
Dominik Leitz (Heidelberg, Germany), Julia Duerr, Dmytro Dvornikov, Magdalena Szczygiel, Philip Konietzke, Daniela Rotin, Marc Wielpütz, Hiroshi Kawabe, Michael Beers, Ursula Klingmüller, Marcus Mall
- 12:15 Calcium-sensing receptor as a therapeutic target for pulmonary fibrosis**
Kasope L. Wolffs (Cardiff, United Kingdom), Bethan Mansfield, Simon Scofield, Jeremy P. T. Ward, Christopher J. Corrigan, Y. S. Prakash, Paul J. K. Kemp, Daniela Riccardi

10:45 - 12:45

Oral presentation: New insights in the signalling pathways that underlie IPF pathophysiology

Disease(s) : [Interstitial lung diseases](#) [Airway diseases](#)

Method(s) : Cell and molecular biology

Chairs : Melanie Königshoff (Denver, United States of America), Bruno Crestani (Paris, France)

- 10:45 LSC - 2018 - PRRX1 a pro-fibrotic mesenchymal transcription factor modulated by remodeled microenvironment in IPF**
Emmeline Marchal-Duval (Paris, France), Antoine Froidure (antoine.froidure@uclouvain.be / Fondation Saint-Luc UCL, Bruxelles), Madeleine Jaillat (madeleine.jaillat@inserm.fr / INSERM U1152, Paris), Mada Ghanem (mada.ghanem@inserm.fr / INSERM U1152, Paris), Audrey Joannes (audrey.joannes@inserm.fr / INSERM U1152, Paris), Arnaud Maurac (arnaud.maurac@gmail.com / INSERM U1152, Paris), Aurelie Cazes (aurelie.cazes@aphp.fr / Hôpital Bichat Service d'anatomopathologie, Paris), Pierre Mordant (pierre.mordant@aphp.fr / Hôpital Bichat Service de Chirurgie Thoracique, Paris), Hervé Mal (herve.mal@aphp.fr / Hôpital Bichat Service de Pneumologie B, Paris), Bruno Crestani (bruno.crestani@aphp.fr / Hôpital Bichat Service de Pneumologie A, Paris), Arnaud Mailleux (arnaud.mailleux@inserm.fr / INSERM U1152, Paris)
- 11:00 LSC - 2018 - FKBP10 regulates fibroblast migration via synthesis of collagen VI**
Claudia Staab-Weijnitz (München, Germany), Larissa Knüppel, Katharina Heinzelmänn (katharina.heinzelmänn@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz-Zentrum München, Munich, DE; Member of the German Center of Lung Research (DZL), Munich), Michael Lindner (m.lindner@asklepios.com / Asklepios Fachkliniken München-Gauting, Munich, DE, Munich), Rudolf Hatz (rudolf.hatz@med.uni-muenchen.de / Asklepios Fachkliniken München-Gauting, Munich, DE and Thoraxchirurgisches Zentrum, Klinik für Allgemeine-, Viszeral-, Transplantations-, Gefäß- und Thoraxchirurgie, Klinikum Großhadern, Ludwig-Maximilians-Universität, Munich, DE, Munich), Jürgen Behr (juergen.Behr@med.uni-muenchen.de / Asklepios Fachkliniken München-Gauting, Munich, DE and Medizinische Klinik und Poliklinik V, Klinikum der Ludwig-Maximilians-Universität, Munich, DE, Munich), Oliver Eickelberg (OLIVER.EICKELBERG@UCDENVER.EDU / Pulmonary and Critical Care Medicine University, Colorado Anschutz Medical Campus, Denver, Colorado, United States of America, Munich), Claudia A. Staab-Weijnitz (staab-weijnitz@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz-Zentrum München, Munich, DE; Member of the German Center of Lung Research (DZL), Munich)
- 11:15 Growth hormone-releasing hormone receptor antagonist MIA-602 modulates mouse lung inflammation and fibrosis due to bleomycin**
Robert M. Jackson (Miami, United States of America), Lin Ai, Chongxu Zhang, Gaetan Delcroix, Tengjiao Cui, Xianyang Zhang, Mehdi Mirsaeidi, Aaron Lazerson, Andrew Schally
- 11:30 MKP-5 inhibition blunts fibrotic responses in-vitro and in-vivo through negative regulation of TGFB1-induced smad3-signalling**
Argyris Tzouveleakis (Athens, Greece), Nikolaos Xylourgidis, Kisuk Min, Thodoris Karampitsakos, Ioanna Ninou, Ilianna Barbayianni, Anton Bennett, Vassilis Aidinis, Naftali Kaminski
- 11:45 Involvement of GPx4-regulated lipid peroxidation in IPF pathogenesis.**
Kazuuya Tsubouchi (Tokyo, Japan), Jun Araya, Shunsuke Minagawa, Hiromichi Hara, Yusuke Hosaka, Akihiro Ichikawa, Nayuta Saito, Masahiro Yoshida, Takeo Ishikawa, Takanori Numata, Yumi Kaneko, Katsutoshi Nakayama, Kazuyoshi Kuwano
- 12:00 Extracellular vesicles from broncho-alveolar lavage act on cellular behavior during lung fibrosis.**
Olivier Burgy (Aurora, United States of America), Aina Martin Medina, Christoph H Mayr, Jürgen Behr, Herbert B Schiller, Melanie Königshoff

12:15 **p16ink4a deletion switches emphysema to fibrosis in mouse**
Maeva Zysman (Montreuil, France), Bruno Ribeiro Baptista, Clément Giffard, Philippe Caramelle, Maylis Dagouassat, Francois Chabot, Sophie Lanone, Jorge Boczkowski, Laurent Boyer

10:30 - 11:00

Session world village: The Lebanese Pulmonary Society: yesterday, today and tomorrow

10:30



INDUSTRY SPONSORED SESSIONS

DISCLAIMER: THE PRACTICAL WORKSHOPS, EVENING SYMPOSIA, EVENING MINI-SYMPOSIA, EVENING EXPERT FORUM SESSIONS AND EARLY MORNING SYMPOSIA ARE ORGANISED BY INDUSTRY. YOU CANNOT CLAIM CME CREDITS FOR ATTENDING THESE SESSIONS.

■ SUNDAY 16 SEPTEMBER, 2018

13:15-14:30

Industry practical workshop : Reading between the guidelines: the use of FeNO measurement in asthma management today

Organised by CIRCASSIA Ltd

13:15-14:30

Industry practical workshop : Advanced Monitoring in a Next Generation Ventilatory

Organised by Philips

13:15-14:30

Industry practical workshop : Connected health big data in Sleep innovative usage and future outlook

Organised by ResMed

13:15-14:30

Industry practical workshop : Latest progress in mouthpiece ventilation in life support

Organised by ResMed

13:15-14:30

Industry practical workshop : Flexible and Rigid Bronchoscopy in Adults

Organised by Karl Storz SE & Co. KG

13:15-14:30

Industry practical workshop : Interventional Pulmonologist, the toolkit you need

Organised by Boston Scientific International SA

13:15-14:30

Industry practical workshop : Clinical Usefulness of Diffusion Capacity - DLCO.

How we profit from recent advancements.

Organised by ndd Medizintechnik AG

17:15-19:15

Industry evening symposium : Bridging the gap between research and clinical practice where next in IPF?

Organised by F. Hoffmann-La Roche Ltd.

17:15-19:15

Industry evening symposium : Discovering asthma paradigms in an evolving landscape: Experts Perspectives

Organised by Sanofi and Regeneron Pharmaceuticals

17:15-19:15

Industry evening symposium : Achieve more Taking an evidence-based approach to PAH management

Organised by Actelion Pharmaceuticals Ltd

17:15-19:15

Industry evening symposium : Getting to the 'heart' of COPD management: time for personalization?

Organised by Novartis Pharma AG

17:15-19:15

Industry evening symposium : COPD Patients and Doctors: Travelling in the same direction?

Organised by Menarini group

17:15-19:15

Industry evening symposium : Effectiveness in every day clinical practice: New data from the Salford Lung Study in asthma

Organised by GlaxoSmithKline

17:15-19:15

Industry evening symposium : A new breath-triggered inhaler for asthma: delivering innovation through design

Organised by Mundipharma International Limited

17:15-19:15

Industry evening symposium : Managing multiple outcomes in COPD: Blending data with patient priorities

Organised by Boehringer Ingelheim Pharma GmbH & Co. KG

17:15-19:15

Industry evening symposium : Update on Severe Eosinophilic Asthma: Decision Making in Clinical Practice

Organised by AstraZeneca

17:30-19:00

Industry evening mini symposium : Advances in Genetic COPD: Implementation of AATD Research Findings in Clinical Practice

Organised by Grifols

17:30-19:00

Industry evening mini symposium : Discover New Dimensions in Interventional Pulmonology

Organised by Olympus Europa SE & Co. KG

17:30-19:00

Industry evening mini symposium : Updates and current challenges in difficult-to-treat pneumonia

Organised by Pfizer

■ MONDAY 17 SEPTEMBER, 2018

07:00-08:15

Industry early morning symposium : Patients as partners in drug development: From rhetoric into reality in a connected world

Organised by GlaxoSmithKline

07:00-08:15

Industry early morning symposium : 6 Month Results of Safety and Feasibility Study in Chronic Bronchitis Patients

Organised by CSA MEDICAL INC

07:00-08:15

Industry early morning symposium : Type 2 Inflammation and the Evolving Profile of Uncontrolled Persistent Asthma

Organised by Sanofi Genzyme and Regeneron Pharmaceuticals

13:15-14:30

Industry practical workshop : Expiratory Flow Limitation - What is it and Why it Matters

Organised by Philips

13:15-14:30

Industry practical workshop : MRD (Mandibular Repositioning Device) : a proven alternative to CPAP for OSA patients

Organised by ResMed

13:15-14:30

Industry practical workshop : Interactive session on home NIV for COPD: how can technology support better care and care management.

Organised by ResMed

13:15-14:30

Industry practical workshop : Transcutaneous PCO2 monitoring in clinical practice

Organised by SenTec AG

13:15-14:30

Industry practical workshop : Endobronchial and Pleural Ultrasound Workshop

Organised by FUJIFILM

13:15-14:30

Industry practical workshop : Optimal Patient Selection for Successful Treatment of Severe Lung Emphysema

Organised by Pulmonx

13:15-14:30

Industry practical workshop : Experience New Dimensions in Interventional Pulmonology

Organised by Olympus Europa SE & Co. KG

17:15-19:15

Industry evening symposium : Current COPD treatment paradigm and evidence: What are the unanswered questions and the clinical implications?

Organised by GlaxoSmithKline

17:15-19:15

Industry evening symposium : Aiming for Optimal Asthma Care: A Metamorphosis in Asthma Care?

Organised by AstraZeneca

17:15-19:15

Industry evening symposium : Severe Asthma in FOCUS: How can we Reduce OCS Use

Organised by AstraZeneca

17:15-19:15

Industry evening symposium : Fibrosing Interstitial Lung Diseases: Translating Recent Learnings Into Future Directions

Organised by Boehringer Ingelheim Pharma GmbH & Co. KG

17:15-19:15

Industry evening symposium : Early management of asthma to prevent adverse outcomes different management strategies according to age group

Organised by Boehringer Ingelheim Pharma GmbH & Co. KG

17:15-19:15

Industry evening symposium : The asthma patient journey: what more can be done?

Organised by Novartis Pharma AG

17:30-19:00**Industry evening mini symposium : Bronchiectasis: from Guidelines to Clinical Practice***Organised by Grifols***17:30-19:00****Industry evening mini symposium : Targeted Lung Denervation (TLD)- A One-Time Treatment for COPD and Severe Asthma***Organised by Nuvaira***17:30-19:00****Industry evening mini symposium : Back to basics in asthma and COPD: optimizing the patient journey***Organised by Orion and Menarini***17:30-19:00****Industry evening mini symposium : Focusing on the patient future prospects in Alpha 1 management***Organised by CSL Behring GmbH***17:30-19:00****Industry evening mini symposium : How important is early action in Pulmonary Arterial Hypertension?***Organised by GlaxoSmithKline***17:30-19:00****Industry evening mini symposium : The Rhinitis-Asthma link in childhood: pathogenesis, old and new therapeutic solutions***Organised by OMRON Healthcare Europe B.V.*

■ TUESDAY 18 SEPTEMBER, 2018

13:15-14:30

Industry practical workshop : Portable PAP treatment 2.0: innovative technologies and connected care

Organised by ResMed

13:15-14:30

Industry practical workshop : Medical Thoracoscopy

Organised by KARL STORZ SE & Co. KG

13:15-14:30

Industry practical workshop : Endobronchial and Pleural Ultrasound Workshop

Organised by FUJIFILM

13:15-14:30

Industry practical workshop : Advances in respiratory care: Endobronchial ablation and Lung Volume Reduction

Organised by Medtronic

13:15-14:30

Industry practical workshop : Humidified nasal high flow for respiratory support in the chronic setting

Organised by Fisher & Paykel Healthcare SAS

13:15-14:30

Industry practical workshop : Innovation in Airway Clearance: Discover the direct action of the Simeox technology on mucus rheology and the clinical impact on bronchial drainage

Organised by Physio Assist

13:15-14:30

Industry practical workshop : Transbronchial cryobiopsy

Organised by Erbe Elektromedizin GmbH

17:15-19:15

Industry evening symposium : Priorities and preferences: Does inhaler choice make a difference in COPD?

Organised by Boehringer Ingelheim Pharma GmbH & Co. KG

17:15-19:15

Industry evening symposium : Leaving a mark in asthma and COPD- Innovation Footprints in Respiratory Care

Organised by Chiesi Farmaceutici SpA

17:15-19:15

Industry evening symposium : Inflammation and Treatable Traits in COPD: How to Reconcile Strategy and Practice

Organised by AstraZeneca

17:15-19:15

Industry evening symposium : Anti-IL-5 treatment options for the severe eosinophilic asthma patient: Are they all the same?

Organised by GlaxoSmithKline

17:30-19:00

Industry evening expert forum : Controversies in NTM lung disease - an interactive case discussion

Organised by Insmed Incorporated

17:30-19:00

Industry evening expert forum : Protection of Patients With Chronic Respiratory Diseases and Other Comorbid Conditions Against Pneumonia: Changing Paradigms

Organised by Pfizer International Operations

17:30-19:00

Industry evening expert forum : Can the ESC/ERS Pulmonary Hypertension Guideline Targets be Achieved?

Organised by Merck & Co, Inc.

17:30-19:00

Industry evening mini symposium : The Next Step in Disease Management from an Interventional Pulmonology Perspective: Focusing on Lung Nodules and Emphysema

Organised by Broncus Medical, Inc.

17:30-19:00

Industry evening mini symposium : Novelties in ICS nebulization treatments

Organised by AstraZeneca