

## Wednesday, 05 May 2021

---

Adult Session  
11:00 - 12:30

Stream 1

### PRE1-1, VV-ECMO the basics

Chair: Peter Schellongowski (Austria)  
Chair: Alain Vuylsteke (United Kingdom)

<b>Evidence for ECMO in respiratory failure</b>	<b>11:00 - 11:15</b>
Speaker: Thomas Müller (Germany)	
<b>Physiology of respiratory ECMO</b>	<b>11:15 - 11:30</b>
Speaker: Nicholas Barrett (United Kingdom)	
<b>Cannulation and primary settings</b>	<b>11:30 - 11:45</b>
Speaker: Jordi Riera (Spain)	
<b>How to manage refractory hypoxemia on VV-ECMO?</b>	<b>11:45 - 12:00</b>
Speaker: Nicolas Bréchet (France)	
<b>Nursing the VV-ECMO patient</b>	<b>12:00 - 12:15</b>
Speaker: Sabine Valera (France)	
<b>Discussion</b>	<b>12:15 - 12:30</b>

Adult Session  
11:00 - 12:30

Stream 2

### PRE2-1, Improving ECMO management (advanced course)

Chair: Christian Karagiannidis (Germany)  
Chair: Lars Mikael Broman (Sweden)

<b>Transport on ECMO</b>	<b>11:00 - 11:15</b>
Speaker: Lars Mikael Broman (Sweden)	
<b>The impact of ECMO on haematology</b>	<b>11:15 - 11:30</b>
Speaker: Gennaro Martucci (Italy)	
<b>The impact of ECMO on pharmacology</b>	<b>11:30 - 11:45</b>
Speaker: Kiran Shekar (Australia)	
<b>Hybrid ECMO: Which practical considerations?</b>	<b>11:45 - 12:00</b>
Speaker: Luigi Camporota (United Kingdom)	
<b>Infection on ECMO: prevention and management</b>	<b>12:00 - 12:15</b>
Speaker: Giacomo Grasselli (Italy)	
<b>Discussion</b>	<b>12:15 - 12:30</b>

Teach Program / Workshop  
11:00 - 11:35

Stream 3

## **Meet Rotaflow II, Getinge's Newest ECMO System**

by Getinge

Pediatric Session  
11:00 - 12:30

Stream 4

### **PRE4-1, Paediatric ECMO Advanced Simulation - a virtual multidisciplinary interactive workshop**

Three emergency scenarios on VA/VV ECMO using simulation will be presented. The team will go through the troubleshooting these situations with audience participation.

Chair: Mirjana Cvetkovic (United Kingdom)

Chair: Ajay Desai (United Kingdom)

Chair: Jon Lillie (United Kingdom)

Chair: Maura O'Callaghan (United Kingdom)

<b>RR ECMO/ECPR</b>	<b>11:00 - 11:30</b>
Speaker: Mirjana Cvetkovic (United Kingdom)	
<b>Persistent Hypoxemia in a child on VV-ECMO</b>	<b>11:30 - 12:00</b>
Speaker: Ajay Desai (United Kingdom)	
<b>ECMO Emergency</b>	<b>12:00 - 12:15</b>
Speaker: Jon Lillie (United Kingdom)	
<b>Circuit change</b>	<b>12:15 - 12:30</b>
Speaker: Jon Lillie (United Kingdom)	

Teach Program / Workshop  
11:45 - 12:30

Stream 3

### **Virtual ECMO simulation workshop (beginners) >>> visit the Getinge booth for participation**

Please visit <https://getinge.webex.com/getinge/onstage/g.php?MTID=eba2e1813b789b1d275bdc3bdff981812> for pre-registration to this session or visit the virtual Getinge booth in the exhibition area.

Adult Session  
13:45 - 15:30

Stream 1

### **PRE1-2, VA-ECMO the basics**

Chair: Mirko Belliato (Italy)

Chair: Ibrahim Fawzy (Qatar)

<b>Evidence for ECMO in cardiac failure</b>	<b>13:45 - 14:00</b>
Speaker: Thomas Müller (Germany)	
<b>Physiology of cardiac ECMO</b>	<b>14:00 - 14:15</b>
Speaker: Simon Finney (United Kingdom)	
<b>Daily management of VA-ECMO</b>	<b>14:15 - 14:30</b>
Speaker: Martin Balik (Czech Republic)	
<b>Venting on VA-ECMO: which options?</b>	<b>14:30 - 14:45</b>
Speaker: Federico Pappalardo (Italy)	

<b>VA-ECMO weaning</b>	<b>14:45 - 15:00</b>
Speaker: Dirk Donker (Netherlands)	
<b>Nursing the VA-ECMO patient</b>	<b>15:00 - 15:15</b>
Speaker: Kathleen Daly (United Kingdom)	
<b>Discussion</b>	<b>15:15 - 15:30</b>

Teach Program / Workshop  
13:45 - 15:30

Stream 2

## **PRE2-2, Virtual Cannulation Workshop**

Chair: Justyna Swol (Germany)

<b>ECMO simulation approach between real and virtual</b>	<b>13:45 - 13:55</b>
Speaker: Simon Sonntag (Germany)	
<b>Introduction to ECMO cannulation - Matthias Baumgärtel, Katrin Emmerich, Steffen Nietzold, Katrin Butler, Steffen Nietzold, Nuremberg, Germany</b>	<b>13:55 - 14:10</b>
Speaker: Justyna Swol (Germany)	
<b>Veno-venous cannulation step by step - Bartłomiej Perek, Marcin Ligowski, Mateusz Puslecki, Sebastian Stefaniak, Marek Dabrowski, Piotr Ziemak, Poznan, Poland</b>	<b>14:10 - 14:25</b>
Speaker: Justyna Swol (Germany)	
Speaker: Mateusz Puslecki (Poland)	
<b>ECMO cannulation - pitfalls and complications</b>	<b>14:25 - 14:35</b>
Speaker: Justyna Swol (Germany)	
<b>Virtual ECMO case scenario</b>	<b>14:35 - 14:55</b>
Speaker: Richard Tallmann (United States of America)	
Speaker: Justyna Swol (Germany)	
<b>Pediatrics part</b>	<b>14:55 - 15:15</b>
Speaker: Mirjana Cvetkovic (United Kingdom)	

Teach Program / Workshop  
13:45 - 14:20

Stream 3

## **Meet Rotaflow II, Getinge's Newest ECMO System**

by Getinge

## **PRE4-2, Multidisciplinary ECMO Rounds**

**Multidisciplinary ECMO Rounds** with  
an ECMO physician, ECMO Co-ordinator, Surgeon, Ethicist / Patient advocate

### Challenging Scenarios:

Difficult case - candidacy, withhold versus withdraw

Difficult case - no recovery, no transplant

Challenging - disagreement with physicians & parents

### **MDT Panel**

Prof. Martine de Vries, pediatrician and professor in medical ethics and law (ECMO physician) Leiden/The Netherlands  
Maura O'Callaghan, Chief ECMO Co-ordinator Great Ormond Street Hospital for Children NHS Foundation Trust,  
London/UK

Chris Harvey, Surgeon, Director of Adult and Paediatric ECMO Glenfield Hospital, University Hospitals of Leicester NHS  
Trust, Leicester/UK

Dr Andrea Moscatell, Director Division of Neonatal and Pediatric Critical Care at IRCCS Giannina Gaslini Children's  
Hospital, Genova/Italy

Chair: Peter Roeleveld (Netherlands)

Chair: Malaika Mendonca (Switzerland)

Teach Program / Workshop  
14:45 - 15:30

Stream 3

## **Virtual ECMO simulation workshop (experts) >>> visit the Getinge booth for participation**

Please visit <https://getinge.webex.com/getinge/onstage/g.php?MTID=e8c36caecd7ac5ececfe078d46e4ef281> for pre-registration to this session or visit the virtual Getinge booth in the exhibition area.

Plenary Session  
10:30 - 10:45

Stream 1

### Opening, welcome note and introduction

Chair: Jan Belohlávek (Czech Republic)  
Chair: Nicholas Barrett (United Kingdom)

#### Test-Pre

Speaker: Test Test-Referent (Germany)

10:30 - 10:40

Adult Session  
11:00 - 12:30

Stream 1

### T1-R1\_1, ECMO-CPR

Chair: Thomas Müller (Germany)  
Chair: Simon Finney (United Kingdom)

#### ECMO-CPR for out of hospital cardiac arrest (PRO)

Speaker: Jan Belohlávek (Czech Republic)

11:00 - 11:15

#### ECMO-CPR for out of hospital cardiac arrest (CON)

Speaker: Alain Vuylsteke (United Kingdom)

11:15 - 11:30

#### Impact of left ventricular unloading using a peripheral Impella®-pump in eCPR patients

Speaker: Christopher Gaisendrees (Germany)

11:30 - 11:45

#### Selecting the ideal ECMO-CPR patient

Speaker: Tomoyuki Endo (Japan)

11:45 - 12:00

#### What are the available logistics strategies to reduce the low flow time?

Speaker: Demetris Yannopoulos (United States of America)

12:00 - 12:15

#### Discussion

12:15 - 12:30

Adult Session  
11:00 - 12:30

Stream 2

### T1-R2\_1, Adult MDT - awake ECMO

Chair: Jordi Riera (Spain)  
Chair: Giles Peek (United States of America)

#### How to preserve peripheral muscle?

Speaker: Steffen Weber-Carstens (Germany)

11:00 - 11:15

#### Mobilisation on VV-ECMO

Speaker: Thomas Staudinger (Austria)

11:15 - 11:30

#### Mobilisation on VA-ECMO

Speaker: Cara Agerstrand (United States of America)

11:30 - 11:45

#### Managing respiratory drive in awake ECMO

Speaker: Giacomo Grasselli (Italy)

11:45 - 12:00

#### Managing the patient/family during awake ECMO

Speaker: Jo-Anne Fowles (United Kingdom)

12:00 - 12:15

**Discussion****12:15 - 12:30**Adult Session  
11:00 - 12:30

Stream 3

**T1-R3\_1, Anticoagulation and biocompatibility**Chair: Lars Mikael Broman (Sweden)  
Chair: Jonathan Millar (Ireland)**Current and future coatings**

Speaker: Jutta Arens (Germany)

**11:00 - 11:15****COVID-19 coagulopathy and implication in ECMO**

Speaker: Martin Balik (Czech Republic)

**11:15 - 11:30****Thrombocyte function testing**

Speaker: Marco Ranucci (Italy)

**11:30 - 11:45****HIT and ECMO**

Speaker: Bruno Lévy (France)

**11:45 - 12:00****Non-heparin anticoagulation - which is the best?**

Speaker: Jonathan Millar (Ireland)

**12:00 - 12:15****Discussion****12:15 - 12:30**Pediatric Session  
11:00 - 12:30

Stream 4

**T1-R4\_1, COVID-19 Pandemic - State of Art**Chair: Peter Roeleveld (Netherlands)  
Chair: Aparna Hoskote (United Kingdom)**Severe Respiratory Failure COVID-19 disease**

Speaker: Martin Kneyber (Netherlands)

**11:00 - 11:15****MISC-C/PIMS-TS**

Speaker: Sylvia Belda Hofheinz (Spain)

**11:15 - 11:30****Drug therapies in COVID-19**

Speaker: Mark Peters (United Kingdom)

**11:30 - 11:45****The role of ECMO in COVID-19**

Speaker: Matteo Di Nardo (Italy)

**11:45 - 12:00****Cardiac Sequelae of COVID-19**

Speaker: Joan Sanchez de Toledo (Spain)

**12:00 - 12:15****Discussion****12:15 - 12:30**Pediatric Session  
11:00 - 12:30

Stream 5

**T1-R5\_1, Advances in monitoring on ECMO**Chair: Mark Davidson (United Kingdom)  
Chair: Angelo Polito (Switzerland)**Neuromonitoring on ECMO including cerebral autoregulation**

Speaker: Nicolas Joram (France)

**11:00 - 11:15**

<b>The impact of ECMO on the microcirculation</b> Speaker: Can Ince (Netherlands)	<b>11:15 - 11:30</b>
<b>Cardiac monitoring modalities on ECMO</b> Speaker: Zaccaria Ricci (Italy)	<b>11:30 - 11:45</b>
<b>Lung function monitoring on ECMO</b> Speaker: Pierre Louis Leger (France)	<b>11:45 - 12:00</b>
<b>Advances in neuroimaging on ECMO</b> Speaker: Daniel J. Licht (United States of America)	<b>12:00 - 12:15</b>
<b>Discussion</b>	<b>12:15 - 12:30</b>

Nurse Session  
11:00 - 12:30

Stream 6

### **T1-R6\_1, Nursing - adult - what have I learnt**

Chair: Kathleen Daly (United Kingdom)  
Chair: Chirine Mossadegh (France)

<b>Where have we come from adults?</b> Speaker: Kathleen Daly (United Kingdom)	<b>11:00 - 11:15</b>
<b>Where have we come from paediatrics?</b> Speaker: Gillian Wylie (United Kingdom) Speaker: Liz Smith (United Kingdom)	<b>11:15 - 11:30</b>
<b>Staffing around Europe</b> Speaker: Chirine Mossadegh (France)	<b>11:30 - 11:45</b>
<b>We need specialist ECMO nurses (PRO)</b> Speaker: Chirine Mossadegh (France)	<b>11:45 - 12:00</b>
<b>We need specialist ECMO nurses (CON)</b> Speaker: Riccardo Cusma-Piccione (Italy)	<b>12:00 - 12:15</b>
<b>Discussion</b>	<b>12:15 - 12:30</b>

Industry  
12:45 - 13:45

Stream 1

### **Industry Sponsored Symposium**

Getinge Symposium:

#### **Randomized controlled trials in VA-ECMO—ARREST and ANCHOR**

Featuring Alain Combes, Paris/France and Demetri Yannopoulos, Minneapolis/USA)

## Industry Sponsored Symposium

Medtronic Symposium:

### Variations in patient strategies for dual lumen cannulation - The Crescent™ Jugular Dual Lumen Catheter Experience

#### SPEAKERS

- Prof. K. Hoetzenecker, AKH Vienna, Austria
- Dr. D. Staudacher, University Freiburg, Germany
- Dr. E. L. Bush, Johns Hopkins, Baltimore, USA
- Dr. T. Schweiger, AKH Vienna, Austria

Adult Session  
14:00 - 15:45

Stream 1

## T1-R1\_2, Adult Cardiac - Heart failure

Chair: Alain Combes (France)

Chair: Thomas Müller (Germany)

<b>What are the indications for ECMO in refractory cardiogenic shock?</b>	<b>14:00 - 14:15</b>
Speaker: Holger Thiele (Germany)	
<b>Is there a role for ECMO as "bridge to decision" in chronic heart failure?</b>	<b>14:15 - 14:30</b>
Speaker: Miklós Pólos (Hungary)	
<b>When should we start mechanical cardiac support in acute heart failure?</b>	<b>14:30 - 14:45</b>
Speaker: Stephen Pettit (United Kingdom)	
<b>ECMO as a bridge in inflammatory cardiomyopathies</b>	<b>14:45 - 15:00</b>
Speaker: Carsten Tschope (Germany)	
<b>ECMO has a role in septic cardiomyopathy (PRO)</b>	<b>15:00 - 15:15</b>
Speaker: Nicolas Bréchet (France)	
<b>ECMO has a role in septic cardiomyopathy (CON)</b>	<b>15:15 - 15:30</b>
Speaker: Graeme MacLaren (Singapore)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Adult Session  
14:00 - 15:45

Stream 2

## T1-R2\_2, Adult respiratory - COVID-19

Chair: Nicholas Barrett (United Kingdom)

Chair: Peter Schellongowski (Austria)

<b>Geographical variations in critically-ill COVID-19 outcomes</b>	<b>14:00 - 14:15</b>
Speaker: Christian Karagiannidis (Germany)	
<b>COVID-19 ARDS differs from another ARDS (PRO)</b>	<b>14:15 - 14:30</b>
Speaker: Luigi Camporota (United Kingdom)	
<b>COVID-19 ARDS differs from another ARDS (CON)</b>	<b>14:30 - 14:45</b>
Speaker: Niall Ferguson (Canada)	
<b>ECMO use in ARDS related COVID-19 - EuroELSO Perspective</b>	<b>14:45 - 15:00</b>
Speaker: Roberto Lorusso (Netherlands)	



<b>Myocardial involvement in COVID-19</b>	<b>15:00 - 15:15</b>
Speaker: Enrico Ammirati (Italy)	
<b>Psychological stress in &amp; outside ICU</b>	<b>15:15 - 15:30</b>
Speaker: Velia Antonini (Italy)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Adult Session  
14:00 - 15:45

Stream 3

## **T1-R3\_2, Bridge to destination in cardiac failure**

Chair: Martin Balik (Czech Republic)  
Chair: Ulrich Stock (United Kingdom)

<b>Cardiac drugs management on ECMO</b>	<b>14:00 - 14:15</b>
Speaker: Bruno Lévy (France)	
<b>Determining when a patient cannot be weaned</b>	<b>14:15 - 14:30</b>
Speaker: Dirk Donker (Netherlands)	
<b>Common practices for post-cardiotomy extracorporeal life support: An international overview of 33 centers</b>	<b>14:30 - 14:45</b>
Speaker: Silvia Mariani (Netherlands)	
<b>Ex-vivo Cardiac perfusion: technical aspects and outcomes</b>	<b>14:45 - 15:00</b>
Speaker: Steven Tsui (United Kingdom)	
<b>ECMO should bridge directly to heart transplant (PRO)</b>	<b>15:00 - 15:15</b>
Speaker: Felix Hennig (Germany)	
<b>ECMO should bridge directly to heart transplant (CON)</b>	<b>15:15 - 15:30</b>
Speaker: Linda van Laake (Netherlands)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Pediatric Session  
14:00 - 15:45

Stream 4

## **T1-R4\_2, Paediatric ECPR**

Chair: Matteo Di Nardo (Italy)  
Chair: Jonathan Smith (United Kingdom)

<b>From cardiac arrest to ECPR in children: a physiologic approach</b>	<b>14:00 - 14:15</b>
Speaker: Peter Roeleveld (Netherlands)	
<b>Protecting the brain: strategies on initiation and later in ECPR</b>	<b>14:15 - 14:30</b>
Speaker: Tim Thiruchelvam (United Kingdom)	
<b>Out of hours ECPR - Practical challenges</b>	<b>14:30 - 14:45</b>
Speaker: Francisco Abecasis (Portugal)	
<b>All paediatric patients with cardiac arrest should receive ECPR? (PRO)</b>	<b>14:45 - 15:00</b>
Speaker: Anne-Marie Guerguerian (Canada)	
<b>All paediatric patients with cardiac arrest should receive ECPR? (CON)</b>	<b>15:00 - 15:15</b>
Speaker: Mark Davidson (United Kingdom)	
<b>Discussion</b>	<b>15:15 - 15:45</b>

## **T1-R5\_2, Paediatric ECMO - Maintaining steady state ECMO**

Chair: Sylvia Belda Hofheinz (Spain)  
Chair: Thomas V. Brogan (United States of America)

<b>Adequate tissue oxygenation on ECMO: assessment and clinical consequences</b>	<b>14:00 - 14:15</b>
Speaker: Aparna Hoskote (United Kingdom)	
<b>Protecting the myocardium and ensuring recovery on ECMO</b>	<b>14:15 - 14:30</b>
Speaker: Judit Llevadias Jane (United Kingdom)	
<b>Metabolic demand of ECMO in children</b>	<b>14:30 - 14:45</b>
Speaker: Michele Domico (United States of America)	
<b>Balancing sedation versus early mobilization</b>	<b>14:45 - 15:00</b>
Speaker: Emma Shkurka (United Kingdom)	
<b>Optimal fluid status on ECMO: assessment and management</b>	<b>15:00 - 15:15</b>
Speaker: Matthew Paden (United States of America)	
<b>Minimising blood products utilisation on ECMO</b>	<b>15:15 - 15:30</b>
Speaker: Melania Bembea (United States of America)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

## **T1-R6\_2, Perfusion - cannula session**

Chair: Lars Mikael Broman (Sweden)  
Chair: Antonella Degani (Italy)

<b>Canula for ECMO: our needs and the obstacles towards clinical availability</b>	<b>14:00 - 14:15</b>
Speaker: Filip De Somer (Belgium)	
<b>Clinical impact of cannula design in VA-ECMO</b>	<b>14:15 - 14:30</b>
Speaker: Lars Mikael Broman (Sweden)	
<b>Cannulation strategies for distal limb perfusion</b>	<b>14:30 - 14:45</b>
Speaker: Jan Belohlávek (Czech Republic)	
<b>Optimising percutaneous cannula positioning for ECMO</b>	<b>14:45 - 15:00</b>
Speaker: Nicola Agnew (United Kingdom)	
<b>Cannulation strategies for right heart failure</b>	<b>15:00 - 15:15</b>
Speaker: Federico Pappalardo (Italy)	
<b>Double lumen cannula - the benefit outweighs the risk</b>	<b>15:15 - 15:30</b>
Speaker: Caroline Sampson (United Kingdom)	
<b>ECMO canulation strategies for optimal support in complex congenital heart defect?</b>	<b>15:30 - 15:45</b>
Speaker: Tim Jones (United Kingdom)	

Industry  
16:00 - 16:45

Stream 1

## **Industry Sponsored Symposium**

ABIOMED Symposium:

### **Real World Experience of Left Ventricular Unloading with VA-ECMO in Cardiogenic Shock Patient**

Chair: Christian Hassager/Denmark

-The science of ECPELLA - Federico Pappalardo/Italy

-What did we learn from the multicenter cohort study ? - Dirk Westermann/Germany

-Panel discussion & Take Home Message

Industry  
16:00 - 16:45

Stream 2

## **Industry Sponsored Symposium**

Medtronic afternoon symposium:

### **The impact of ECLS oxygenator technology on patient outcome**

Speakers:

-Prof. Ranucci, IRCCS Policlinico San Donato, Milano, Italy

-Dr. Cotza, IRCCS Policlinico San Donato, Milano, Italy

-Dr. Grazioli, ASST Papa Giovanni XXIII, Bergamo, Italy

Industry  
16:00 - 16:45

Stream 3

## **Industry Sponsored Symposium**

**LivaNova Symposium:**

### **Advanced Circulatory Support: The important role of an adequate cannulation technique**

Chair: Roberto Lorusso, Maastricht/The Netherlands

Speakers: M. Cikes, Zagreb/Croatia, A. Tatoes, Chicago/USA and S. Gunaydin, Ankara, Turkey

Industry  
16:00 - 16:45

Stream 4

## **Industry Sponsored Symposium**

Fresenius Medical Care heart & lung (Xenios) Symposium:

### **Latest News in Extracorporeal Support**

Chair: Prof. Antonio Pesenti

1. ECCO<sub>2</sub>R studies on the horizon - introduction X-COPD and CORAIL study - Prof. C. Karagiannidis

2. Clinical experience on ECCO<sub>2</sub>R and ECMO in COVID-19 patients - Prof. A. Combes

Discussion, Q&A

## **Industry Sponsored Symposium**

Eurosets Symposium

### **Review of three different clinical applications of an innovative ECLS device - ECMOLIFE**

Chair: Fabio Silvia Taccone, Brussels/Belgium

- Benefits of magnetically levitated pump technology in a COVID 19 ECMO support, Mirko Bellatio, Pavia/Italy
- The importance of safety and comfort during the extra-hospital transport on an ECMO patient, Jan Blanco, Murcia/Spain
- New frontiers with innovative ECLS solutions: The cath lab experience, Mauro del Giglio, Italy
- Discuss with the experts

Adult Session  
11:00 - 12:30

Stream 1

### T2-R1\_1, ECMO PCI

Chair: Susanna Price (United Kingdom)  
Chair: Federico Pappalardo (Italy)

<b>High risk PCI under ECMO support</b>	<b>11:00 - 11:15</b>
Speaker: Dirk Westermann (Germany)	
<b>Support for post PCI cardiogenic shock</b>	<b>11:15 - 11:30</b>
Speaker: Jose Henriques (Netherlands)	
<b>Peri procedural anticoagulation/antiplatelet therapy on ECMO</b>	<b>11:30 - 11:45</b>
Speaker: Uwe Zeymer (Germany)	
<b>Meet the experts around a complex case</b>	<b>11:45 - 12:30</b>
Speaker: Jan Belohlávek (Czech Republic)	
Speaker: Jose Henriques (Netherlands)	
Speaker: Susanna Price (United Kingdom)	
Speaker: Dirk Westermann (Germany)	

Adult Session  
11:00 - 12:30

Stream 2

### T2-R2\_1, COVID-19 - ARDS

Chair: Antonio Pesenti (Italy)  
Chair: Lise Piquilloud (Switzerland)

<b>Performance under pressure</b>	<b>11:00 - 11:15</b>
Speaker: Maurizio Cecconi (Italy)	
<b>Protective ventilation on ECMO</b>	<b>11:15 - 11:30</b>
Speaker: Daniel Brodie (United States of America)	
<b>How to personalize mechanical ventilation for COVID-19 patients?</b>	<b>11:30 - 11:45</b>
Speaker: Luigi Camporota (United Kingdom)	
<b>Awake in COVID ECMO: my personal recipe</b>	<b>11:45 - 12:00</b>
Speaker: Asif Mustafa (United States of America)	
<b>What special considerations in morbid obese ARDS patients on ECMO?</b>	<b>12:00 - 12:15</b>
Speaker: Martin Balik (Czech Republic)	
<b>Discussion</b>	<b>12:15 - 12:30</b>

Nurse Session  
11:00 - 12:30

Stream 3

### T2-R3\_1, Where are we going to: the future

Chair: Sabine Valera (France)  
Chair: Jo-Anne Fowles (United Kingdom)

<b>How do I take care of a patient on ECMO today?</b>	<b>11:00 - 11:15</b>
Speaker: Serena O'Brien (Ireland)	

<b>Should ECMO be in the general ICU nursing?</b> Speaker: Monika Tukacs (United States of America)	<b>11:15 - 11:30</b>
<b>Using checklists to standardise management of ECMO circuit emergencies at bedside</b> Speaker: Maura O'Callaghan (United Kingdom)	<b>11:30 - 11:45</b>
<b>Nurse should change the ECMO circuit (PRO)</b> Speaker: Kathleen Daly (United Kingdom)	<b>11:45 - 12:00</b>
<b>Nurse should change the ECMO circuit (CON)</b> Speaker: Nicola Agnew (United Kingdom)	<b>12:00 - 12:15</b>
<b>Discussion</b>	<b>12:15 - 12:30</b>

Pediatric Session  
11:00 - 12:30

Stream 4

### **T2-R4\_1, Challenges in Paediatric Cardiac ECMO**

Chair: Judit Llevadias Jane (United Kingdom)  
Chair: Joan Sanchez de Toledo (Spain)

<b>The failing Glenn &amp; Fontan circulation</b> Speaker: Tim Jones (United Kingdom)	<b>11:00 - 11:15</b>
<b>Peri-heart transplant ECLS: challenges</b> Speaker: Fabrizio De Rita (United Kingdom)	<b>11:15 - 11:30</b>
<b>Bleeding and DIC on Cardiac ECMO</b> Speaker: Ariane Willems (Netherlands)	<b>11:30 - 11:45</b>
<b>Role of ECMO in sepsis</b> Speaker: Luregn Schlapbach (Switzerland)	<b>11:45 - 12:00</b>
<b>Failure to wean cardiac ECMO: strategies</b> Speaker: Peta Alexander (United States of America)	<b>12:00 - 12:15</b>
<b>Discussion</b>	<b>12:15 - 12:30</b>

Pediatric Session  
11:00 - 12:30

Stream 5

### **T2-R5\_1, Challenges in paediatric respiratory ECMO**

Chair: Joan Balcells (Spain)  
Chair: Francisco Abecasis (Portugal)

<b>Critical airway - the role of ECMO</b> Speaker: Nagarajan Muthialu (United Kingdom)	<b>11:00 - 11:15</b>
<b>Oxygenator in VAD - indications, outcomes?</b> Speaker: Aparna Hoskote (United Kingdom)	<b>11:15 - 11:30</b>
<b>Mobile ECMO - primary versus secondary transfer</b> Speaker: Lars Mikael Broman (Sweden)	<b>11:30 - 11:45</b>
<b>No recovery on respiratory ECMO: next steps?</b> Speaker: Thomas V. Brogan (United States of America)	<b>11:45 - 12:00</b>
<b>Is it time for individualised anticoagulation strategies - no one size fits all</b> Speaker: Gail Annich (Canada)	<b>12:00 - 12:15</b>

## Discussion

12:15 - 12:30

Perfusionist Session  
11:00 - 12:30

Stream 6

### T2-R6\_1, Perfusion - Membrane material

Chair: Lisa Prahl Wittberg (Sweden)  
Chair: Jonathan Millar (Ireland)

<b>Assessing oxygenator performance</b> Speaker: Christoph Benk (Germany)	<b>11:00 - 11:15</b>
<b>Impact of membrane lung design and sweep gas on gas exchange</b> Speaker: Mirko Belliato (Italy)	<b>11:15 - 11:30</b>
<b>New and future materials for membrane lung</b> Speaker: Jutta Arens (Germany)	<b>11:30 - 11:45</b>
<b>Activation of haemostatic mechanisms by the membrane lung</b> Speaker: Beverley Hunt (United Kingdom)	<b>11:45 - 12:00</b>
<b>Novel pumps for ECMO</b> Speaker: Antonella Degani (Italy)	<b>12:00 - 12:15</b>
<b>Enhancing CO2 clearance</b> Speaker: Alberto Zanella (Italy)	<b>12:15 - 12:30</b>

Industry  
12:45 - 13:45

Stream 1

### Industry Sponsored Symposium

ABIOMED Symposium:  
The role of impella in the treatment of cardiogenic shock  
Chairs:  
Jan Belohlavek/Czech Republic  
Roberto Lorusso/Netherlands

- Principle of STEMI LV Unloading and infarct size reduction- Bart Meyns/Belgium
- The use of Impella in Cardiogenic shock: Who benefits most? - Guillaume Lebreton/France
- ECMO and Impella: Escalation & weaning - Carsten Tschoepe/Germany
- Panel discussion & Take Home Message

Industry  
12:45 - 13:45

Stream 2

### Industry Sponsored Symposium

CytoSorbents Symposium  
**CytoSorb therapy in ECMO patients - an update**

Chair: Manu Malbrain, Brussels/Belgium and Ralf Muellenbach, Kassel/Germany

Overwhelming inflammation in ECMO. When and how to face it? Leonardo Gottin, Verona/Italy  
Early use of cytokine adsorption in severe COVID-19 pneumonia requiring VV-ECMO - first results from the CYCOV trial, Alexander Supady, Freiburg/Germany  
Can VV-ECMO patients with severe pneumogenic sepsis benefit from CytoSorb-therapy? Results from a retrospective study, Ali Akil, Ibbenbueren/Germany

Adult Session  
14:00 - 15:45

Stream 1

## T2-R1\_2, Cardiogenic shock

Chair: Roberto Lorusso (Netherlands)

Chair: Felix Hennig (Germany)

<b>From Eisenhower's heart attack to modern ACS management</b>	<b>14:00 - 14:15</b>
Speaker: Thomas Lüscher (United Kingdom)	
<b>All VA-ECMO patients should be cannulated percutaneously! (PRO)</b>	<b>14:15 - 14:30</b>
Speaker: Alain Combes (France)	
<b>All VA-ECMO patients should be cannulated percutaneously! (CON)</b>	<b>14:30 - 14:45</b>
Speaker: Ulrich Stock (United Kingdom)	
<b>Weaning strategies for VA-ECMO</b>	<b>14:45 - 15:00</b>
Speaker: Susanna Price (United Kingdom)	
<b>Early impella to vent the left ventricle (PRO)</b>	<b>15:00 - 15:15</b>
Speaker: Jose Henriques (Netherlands)	
<b>Early impella to vent the left ventricle (CON)</b>	<b>15:15 - 15:30</b>
Speaker: Uwe Zeymer (Germany)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Adult Session  
14:00 - 15:45

Stream 2

## T2-R2\_2, Severe ARDS

Chair: Luciano Gattinoni (Germany)

Chair: Alain Mercat (France)

<b>Phenotypes in ARDS: impact on clinical practice?</b>	<b>14:00 - 14:15</b>
Speaker: Arthur Slutsky (Canada)	
<b>Biomarkers of lung injury</b>	<b>14:15 - 14:30</b>
Speaker: Marcus Schultz (Netherlands)	
<b>Pharmacological treatment: just negative trials?</b>	<b>14:30 - 14:45</b>
Speaker: Alain Mercat (France)	
<b>Long ECMO runs in patients with COVID-19 disease. A subanalysis of the ECMOVIBER study</b>	<b>14:45 - 15:00</b>
Speaker: Eduard Argudo (Spain)	
Speaker: Jordi Riera (Spain)	
<b>Respiratory ECMO indications in 2020</b>	<b>15:00 - 15:15</b>
Speaker: Peter Schellongowski (Austria)	
<b>Invasive ventilation with VV-ECMO: an old concept?</b>	<b>15:15 - 15:30</b>
Speaker: Luciano Gattinoni (Germany)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Adult Session  
14:00 - 15:45

Stream 3

## T2-R3\_2, CO2 removal, supported by Baxter with an unrestricted grant

Chair: Leo Heunks (Netherlands)

Chair: Alberto Zanella (Italy)



<b>ECCO2R for COPD</b>	<b>14:00 - 14:15</b>
Speaker: Daniel Brodie (United States of America)	
<b>ECCO2R technology and major drawbacks</b>	<b>14:15 - 14:30</b>
Speaker: Christian Karagiannidis (Germany)	
<b>New technologies for ECCO2R</b>	<b>14:30 - 14:45</b>
Speaker: Antonio Pesenti (Italy)	
<b>Shifting the paradigm: The balance of innovation against regulation - a novel indication for extracorporeal carbon dioxide removal (ECCO2R)</b>	<b>14:45 - 15:00</b>
Speaker: Victoria Laxton (United Kingdom)	
<b>ECCO2R for mild to moderate ARDS: mechanical ventilation is still enough! (PRO)</b>	<b>15:00 - 15:15</b>
Speaker: James McNamee (United Kingdom)	
<b>ECCO2R for mild to moderate ARDS: mechanical ventilation is still enough! (CON)</b>	<b>15:15 - 15:30</b>
Speaker: Antonio Pesenti (Italy)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Pediatric Session  
14:00 - 15:45

Stream 4

## **T2-R4\_2, Paediatric - focus on the future**

Chair: Tim Jones (United Kingdom)  
Chair: Lars Mikael Broman (Sweden)

<b>Lessons from the COVID-19 pandemic</b>	<b>14:00 - 14:15</b>
Speaker: Joan Balcells (Spain)	
<b>The implantable artificial lung - really?</b>	<b>14:15 - 14:30</b>
Speaker: Tom Verbelen (Belgium)	
<b>New VADs including total artificial heart</b>	<b>14:30 - 14:45</b>
Speaker: Oliver Miera (Germany)	
<b>New ways of offloading - impella experience in children</b>	<b>14:45 - 15:00</b>
Speaker: Sebastian Tume (United States of America)	
<b>Where are we with supporting premature babies on ECMO?</b>	<b>15:00 - 15:15</b>
Speaker: Carmen Mesas Burgos (Sweden)	
<b>Newer anticoagulants</b>	<b>15:15 - 15:30</b>
Speaker: Laurance Lequier (Canada)	
<b>Discussion</b>	<b>15:30 - 15:45</b>

Pediatric Session  
14:00 - 15:45

Stream 5

## **T2-R5\_2, Paediatric - outcomes**

Chair: Pierre Louis Leger (France)  
Chair: Maura O'Callaghan (United Kingdom)

<b>ECMO outcomes research - applying it to the bedside</b>	<b>14:00 - 14:15</b>
Speaker: Katherine Brown (United Kingdom)	
<b>Benchmarking paediatric ECMO in the face of practice variations</b>	<b>14:15 - 14:30</b>
Speaker: Ryan Barbaro (United States of America)	

<b>Managing end of life when ECMO is considered futile?</b>	<b>14:30 - 14:45</b>
Speaker: Angelo Polito (Switzerland)	
<b>Psychological stress, burnout, moral distress in ECMO caregivers</b>	<b>14:45 - 15:00</b>
Speaker: Daniel Garros (Canada)	
<b>Neurological injury - can artificial intelligence/machine learning help predict?</b>	<b>15:00 - 15:15</b>
Speaker: Lakshmi Raman (United States of America)	
<b>Discussion</b>	<b>15:15 - 15:45</b>

Perfusionist Session  
14:00 - 15:45

Stream 6

## **T2-R6\_2, Perfusion circuits, supported by Baxter with an unrestricted grant**

Chair: Prakash Punjabi (United Kingdom)  
Chair: Alois Philipp (Germany)

<b>Recent insights of blood trauma in available pumps for ECMO</b>	<b>14:00 - 14:15</b>
Speaker: Johanna Clauser (Germany)	
<b>CO2 removal integrated with renal replacement therapy</b>	<b>14:15 - 14:30</b>
Speaker: Vito Fanelli (Italy)	
<b>Centrifugal pumps: pump efficiency through flow range</b>	<b>14:30 - 14:45</b>
Speaker: Lisa Prah Wittberg (Sweden)	
<b>Assessment of mixing properties and flow characteristics of cannulae used in extracorporeal membrane oxygenation</b>	<b>14:45 - 15:00</b>
Speaker: Federico Rorro (Sweden)	
<b>Fast priming for ECPR, impact of circuit design</b>	<b>15:00 - 15:15</b>
Speaker: Rosie Smith (United Kingdom)	
<b>Do we need to use coated components or not?</b>	<b>15:15 - 15:30</b>
Speaker: Federico Pappalardo (Italy)	
<b>Round-table with the industry</b>	<b>15:30 - 15:45</b>
Speaker: Andres Beiras (France)	
Speaker: Michael van Driel (Switzerland)	

Plenary Session  
15:45 - 16:00

Stream 1

## **Closing, summary and announcing EuroELSO 2022**

Chair: Jan Belohlávek (Czech Republic)  
Chair: Nicholas Barrett (United Kingdom)