

WORLD CONGRESS ON OSTEOPOROSIS,
OSTEOARTHRITIS AND MUSCULOSKELETAL DISEASES

WCO
IOF-ESCEO

2019 PARIS

April 4-7, 2019
Palais des Congrès
www.WCO-IOF-ESCEO.org



Congress Organizer
Sinklar Congress Management B.V.

Congress Secretariat
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#OsteoCongress

WORLD'S LEADING CLINICAL CONFERENCE ON BONE, JOINT AND MUSCLE HEALTH

Congress Programme

CONGRESS INFORMATION

Event

April 4-7, 2019

WORLD CONGRESS ON OSTEOPOROSIS,
OSTEOARTHRITIS AND MUSCULOSKELETAL DISEASES
The world's leading clinical conference on
bone, joint and muscle health

Venue

Palais des Congrès de Paris
Place de la Porte Maillot, 2
75017 Paris, France

Organizer

Sinklar Conference Management

Pietersbergweg, 283
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ABSTRACTS

Submission Period for Abstracts

October 1, 2018 to January 15, 2019

Notification to the contributors

February 1, 2019

ACCREDITATIONS

European

The WCO-IOF-ESCEO 2019 Paris Congress has been granted 20 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

American

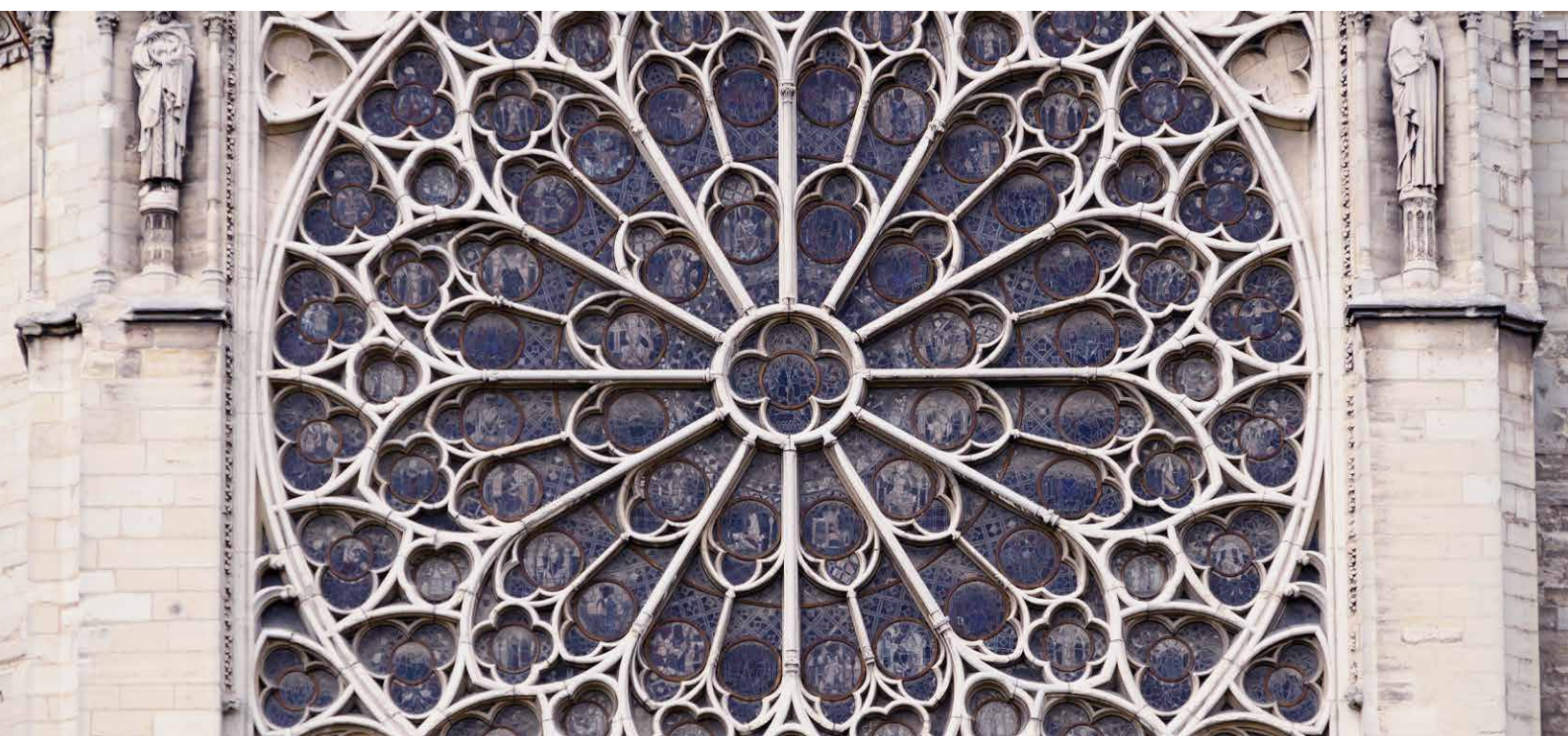
In Progress

Belgian

In Progress

Italian

In Progress



REGISTRATION

	Early Registration < Dec. 4, 2018	Pre-registration < Dec. 5, 2018 - Mar. 4, 2019 >	From Mar. 5, 2019 and On Site
Regular Registration	795 €	895 €	995 €
IOF Committee of corporate advisors (CCA)	795 €	895 €	995 €
ESCEO Scientific Advisor Board (SAB) - No abstract submitted	650 €	750 €	995 €
IOF Committee of Scientific Advisors (CSA) - No abstract submitted	650 €	750 €	995 €
Student ¹	250 €	270 €	300 €
CNS Free Registration	Free	Free	Free
Press Representation ²	Free	Free	Free
IOF Committee of Scientific Advisors (CSA) - With abstract submitted	Free	Free	Free
ESCEO Scientific Advisor Board (SAB) - With abstract submitted	Free	Free	Free
One-day Registration (Thursday, Friday, Saturday, Sunday)	1.000 €	1.000 €	1.000 €

Notification of cancellation and refund requests must be submitted in writing by e-mail to
registration-wco-iof-esceo@pacificworld.com

Before September 30, 2018: 50% reimbursement

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SCIENTIFIC INFORMATION

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THURSDAY APRIL 4

14.30 - 17.00

Actualités et controverses sur l'arthrose et l'ostéoporose

Symposium conjointement organisé par la Société Française de Rhumatologie (SFR), le Groupe de Recherche et d'Informations sur les Ostéoporoses (GRIO), l'International Osteoporosis Foundation (IOF) et l'European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO).

Chairpersons: ▶ Leith Zakraoui, ▶ Bernard Cortet, ▶ Thierry Thomas

- ▶ 14h30 : *Produits laitiers fermentés et santé osseuse* Emmanuel Biver
- ▶ 14h55 : *L'arthrose, une histoire d'alimentation ?* Jérémie Sellam
- ▶ 15h20 : *L'arthrose, une maladie inflammatoire ?* Florent Eymard
- ▶ 15h45 : *Vitamine D, arthrose et ostéoporose* Etienne Cavalier
- ▶ 16h10 : *L'arthrose rachidienne existe-t-elle ?* François Rannou
- ▶ 16h35 : *La place de la vertébroplastie, les données sont-elles solides ?* Bernard Cortet
- ▶ 17h00 : *Conclusion* Thierry Thomas

Symposium organisé en langue française.

17.45 - 20.00

WCO-IOF-ESCEO - OPENING CEREMONY

Chairpersons: ▶ John A. Kanis, ▶ Jean-Yves Reginster

17.45

Best clinical papers published in 2018

▶ René Rizzoli

18.30

Beyond nutrients: health effects of the dairy matrix

▶ Arne Astrup

19.00

2018 update of the European guidelines for the diagnosis and management of osteoporosis (ESCEO-IOF)

▶ René Rizzoli

19.15

Plenary Lecture: Disease in Art Painting

▶ Davide Lazzeri

19.45

Opening of the meeting

▶ Cyrus Cooper (IOF President, ESCEO Vice-President)

19.50

Presentation of the 2019 ESCEO Medal of Excellence

▶ Jean-Yves Reginster

19.50

Presentation of the IOF Olof Johnell Science Award

▶ Cyrus Cooper

20.00 - 21.00

INDUSTRY-SPONSORED WELCOME COCKTAIL

FRIDAY APRIL 5

08.00 - 09.00

AVAILABLE SPONSORED BREAKFAST SYMPOSIUM

08.00 - 09.00

INDUSTRY BREAKFAST SYMPOSIUM

08.00 - 09.00

SYMPOSIA

Patients' preferences for anti-osteoarthritis treatment: A cross-European Discrete Choice Experiment: outcomes of an experts consensus meeting organized under the auspices of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO).

Chairpersons: ▶ Mickaël Hiligsmann, ▶ Elaine M. Dennison

- ▶ 08:00: *Welcome and introduction* Mickaël Hiligsmann
- ▶ 08:05: *Identification prioritization of important attributes of OA treatment* Elaine M. Dennison
- ▶ 08:20: *Results from the cross-European discrete choice experiment* Mickaël Hiligsmann
- ▶ 08:35: *Discussion* Elaine M. Dennison
- ▶ 08:55: *Conclusion* Mickaël Hiligsmann

Osteosarcopenic obesity: enough evidence for a distinct entity: outcomes of an ESCEO experts consensus meeting organized under the auspices of the World Health Organization Collaborating Center for Public Health Aspects of Musculo-skeletal Health and Ageing

Chairpersons: ▶ Islene Araujo de Carvalho, ▶ Roger Fielding

- ▶ 08:00: *Introduction* Stefania Maggi
- ▶ 08:05: *Osteosarcopenic obesity: Facts and evidence supporting a distinct entity* Jürgen Bauer
- ▶ 08:20: *Osteosarcopenic obesity: Lack of evidence supporting a distinct entity* Alfonso Cruz Jentoft
- ▶ 08:35: *Discussion* Jürgen Bauer
- ▶ 08:55: *Conclusion* Roger Fielding

Panel: ▶ Islene Araujo de Carvalho, ▶ Jürgen Bauer, ▶ Olivier Bruyère, ▶ Roland D. Chapurlat, ▶ Cyrus Cooper, ▶ Alfonso Cruz Jentoft, ▶ Elaine M. Dennison, ▶ Roger Fielding, ▶ John A. Kanis, ▶ Jean-Marc Kaufman, ▶ Francesco Landi, ▶ Andrea Laslop, ▶ Médéa Locquet, ▶ Stefania Maggi, ▶ Eugene McCloskey, ▶ Simone Perna, ▶ Jean-Yves Reginster, ▶ René Rizzoli, ▶ Yves Rolland, ▶ Pawel Szulc

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Real World Evidence in Metabolic Bone Disease

Chairperson: ▶ Daniel Prieto-Alhambra

- ▶ *Real world data for assessing the use, risks, and benefits of anti-osteoporosis therapies in actual practice conditions* Daniel Prieto-Alhambra
- ▶ *Routinely collected data for the study of the epidemiology of fractures, and for characterising imminent fracture risk* Bo Abrahamsen
- ▶ *Health economics using real world data: an introduction* Rafael Pinedo-Villanueva
- ▶ *Real world data for the study of orthopaedics and hip fracture care* Alma Pedersen

What's new in tendinopathies?

Chairperson: ▶ Jean-François Kaux

- ▶ *Introduction* Olivier Bruyère
- ▶ *Tendon physiopathology and imagery... What's new ?* Stijn Bogaerts
- ▶ *Rehabilitation: eccentric or not eccentric? Which physiotherapy?* Jean-Louis Croisier
- ▶ *Which efficacy for the new treatments ?* Jean-François Kaux

Emerging Biomarkers in Vitamin D Metabolism

Chairperson: ▶ Shaun Sabico

- ▶ *Biomarker Discovery* Nasser Al-Daghri
- ▶ *Vitamin D Biomarker Discovery* Majed Alokail
- ▶ *Validation* Yousef Al-Saleh

Sarcopenia in older people: actual perspectives

Chairpersons: ▶ Nicola Veronese, ▶ Charlotte Beaudart

- ▶ *The radiological evaluation of muscle mass in older people* Giuseppe Guglielmi
- ▶ *Physical performance in older people: actual evidence* Olivier Bruyère
- ▶ *The diagnosis of sarcopenia in older people: between research and clinical practice* Nicola Veronese

FRIDAY APRIL 5

08.00 - 09.00

Female Bone Health: a gynecological approach through routine assistance

Chairperson: ▶ Adriana Orcesi Pedro

▶ *Opening: Women's Hospital - CAISM - University of Campinas message for bone health* Adriana Orcesi Pedro

▶ *Bone mass and fracture risk during pregnancy and lactation*

Anna Valéria Gueldini de Moraes, Fernanda Garanhani de Castro Surita

▶ *Update on management of osteoporosis in young women - special clinical situations*

Adriana Orcesi Pedro, Gabriela Pravatta Rezende

▶ *Evaluation and management of osteopenia and osteoporosis in breast cancer survivors*

Adriana Orcesi Pedro, Cesar Cabello dos Santos

▶ *Question & Answers with audience*

09.00 - 10.30

SCIENTIFIC SESSION I

Chairpersons: ▶ Jean-Yves Reginster, ▶ John A. Kanis

09.00

Plenary Lecture 1

When and why use a bone forming agent?

▶ Eugene McCloskey

09.30

Oral communication selected from abstracts

09.30

OC1

HORMONE THERAPY REDUCES THE RISK OF FRACTURE IN FALLERS AND IN NON-FALLERS: RESULTS FROM THE WOMEN'S HEALTH INITIATIVE HORMONE THERAPY TRIALS

Presenting author: ▶ M. Lorentzon

Authors: ▶ H. Johansson, ▶ N. C. Harvey, ▶ E. Liu, ▶ J. Crandall, ▶ E. V. McCloskey, ▶ J. A. Kanis

09.40

OC2

ROMOSUZUMAB EFFICACY ON FRACTURE OUTCOMES IS GREATER IN PATIENTS AT HIGH BASELINE FRACTURE RISK: A POST HOC ANALYSIS OF THE FRAME STUDY

Presenting author: ▶ E. V. McCloskey

Authors: ▶ M. Lorentzon, ▶ H. Johansson, ▶ N. C. Harvey, ▶ J. A. Kanis

09.50

OC3

ROMOSUZUMAB ENHANCES 3D VERTEBRAL STRUCTURE IN WOMEN WITH LOW BONE DENSITY: MAPPING BONE GAINS AT ONE YEAR COMPARED WITH TERIPARATIDE OR PLACEBO

Presenting author: ▶ K. Poole

Authors: ▶ G. M. Treece, ▶ R. A. Pearson, ▶ A. H. Gee, ▶ M. A. Bolognese, ▶ J. P. Brown, ▶ S. Goemaere, ▶ A. Grauer, ▶ D. A. Hanley, ▶ C. Mautalen, ▶ C. Recknor, ▶ Y. C. Yang, ▶ C. Libanati, ▶ T. Whitmarsh

10.00

OC4

EFFECT OF ABALOPARATIDE ON BONE MINERAL DENSITY AND FRACTURE INCIDENCE IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS AND OSTEOARTHRITIS

Presenting author: ▶ N. E. Lane

Authors: ▶ B. Mitlak, ▶ R. Weiss, ▶ Y. Wang, ▶ G. J. Valenzuela, ▶ J. P. Bilezikian

10.10

OC5

Presenting author: ▶ S. Jan de Beur

Authors: ▶ P. Miller, ▶ T. Weber, ▶ M. Peacock, ▶ K. Insogna, ▶ R. Kumar, ▶ D. Luca, ▶ T. Cimms, ▶ K. Lampl, ▶ J. San Martin, ▶ T. Carpenter

10.20

Presentation of the ESCEO-AgNovos Healthcare Young Investigator Awards

▶ Jean-Yves Reginster

10.30 - 12.10

SCIENTIFIC SESSION II

Chairpersons: ▶ René Rizzoli, ▶ Cyrus Cooper

10.30

Presentation of the ESCEO-IOF Herbert Fleisch Medal

▶ René Rizzoli

10.40

Plenary Lecture 2

Bone fragility and its treatment in chronic renal failure

▶ Peter R. Ebeling

11.10

Presentation of the IOF President's Award

▶ Cyrus Cooper

11.20

Oral communication selected from abstracts

11.20

OC6

IMMINENT (1- AND 2-YEAR) FRACTURE RISK FOLLOWING A FIRST (SENTINEL) FRACTURE: A MULTINATIONAL EUROPEAN COHORT STUDY INCLUDING OVER 700,000 PARTICIPANTS FROM DENMARK, SPAIN, AND THE UK

Authors: ▶ S. Khalid, ▶ M. T. Ernst, ▶ M. K. Javaid, ▶ C. Libanati, ▶ C. Cooper, ▶ A. Delmestri, ▶ D. Martinez-Laguna, ▶ E. Toth, ▶ B. Abrahamsen

Presenting author: ▶ D. Prieto-Alhambra

11.30

OC7

ADJUSTING FRAX FOR IMMINENT RISK

Presenting author: ▶ H. Johansson

Authors: ▶ K. Siggeirsdottir, ▶ N. C. Harvey, ▶ E. V. McCloskey, ▶ V. Gudnason, ▶ G. Sigurdsson, ▶ M. Lorentzon, ▶ E. Liu, ▶ J. A. Kanis

FRIDAY APRIL 5

11.40

OC8

AGE AT HIP FRACTURE: TIME TRENDS OVER TWO DECADES IN A NATIONAL HOSPITAL DISCHARGE REGISTER

Presenting author: ▶ B. Abrahamsen

Authors: ▶ H. V. B. Laursen, ▶ M. K. Skjødt, ▶ M. H. Jensen, ▶ P. Vestergaard

11.50

OC9

T-SCORE AS AN INDICATOR OF FRACTURE RISK ON THERAPY: EVIDENCE FROM ROMOSUZUMAB VS. ALENDRONATE TREATMENT IN THE ACTIVE-CONTROLLED FRACTURE STUDY IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS AT HIGH RISK TRIAL

Authors: ▶ F. Cosman, ▶ E. M. Lewiecki, ▶ P. R. Ebeling, ▶ E. Hesse, ▶ N. Napoli, ▶ D. B. Crittenden, ▶ M. Rojeski, ▶ W. Yang, ▶ C. Libanati
Presenting author: ▶ S. Ferrari

12.00

OC10

FRACTURE INCIDENCE AFTER DENOSUMAB DISCONTINUATION: REAL-WORLD DATA FROM A LARGE HEALTHCARE PROVIDER

Presenting author: ▶ L. Tripto-Shkolnik

Authors: ▶ N. Fund, ▶ V. Rouach, ▶ G. Chodick, ▶ V. Shalev, ▶ I. Goldshtein

12.15 - 13.45

INDUSTRY SATELLITE LUNCH SYMPOSIUM

12.15 - 13.45

INDUSTRY SATELLITE LUNCH SYMPOSIUM

13.45 - 14.00

IOF Calcium Academy Awards ceremony

14.00 - 15.00

MEET-THE-EXPERT SESSIONS

- ▶ *How to assess frailty in daily practice ?*
▶ Evelien Gielen
- ▶ *Local therapies in osteoarthritis management*
▶ François Rannou
- ▶ *New algorithm for the management of bone fragility in diabetes*
▶ Serge Ferrari
- ▶ *Pre- and postnatal influences on bone and muscle health in children*
▶ Nicholas Harvey
- ▶ *Strengths of recommendations for GIOP management*
▶ Jonathan Adachi

14.00 - 15.00

Poster Viewing Session I

14.00 - 15.10

Oral presentation of selected posters

Chairperson: ▶ Tara Brennan-Speranza

14.00

OP1

IDENTIFICATION OF PATIENTS AT HIGH RISK FOR OSTEOPOROTIC FRACTURES THROUGH RADIOFREQUENCY ECHOGRAPHIC MULTI SPECTROMETRY (REMS): RESULTS OF A 5-YEAR FOLLOW-UP STUDY

Authors: ▶ S. Gonnelli, ▶ G. Bianchi, ▶ M. L. Brandi, ▶ S. Casciaro, ▶ L. Cavalli, ▶ L. Cianferotti, ▶ F. Conversano, ▶ A. Fassio, ▶ G. Girasole, ▶ A. Grimaldi, ▶ F. A. Lombardi, ▶ M. Muratore, ▶ P. Pisani, ▶ L. Quarta, ▶ D. Gatti

Presenting author: ▶ C. Caffarelli

14.07

OP2

PATIENT AND SERVICE-LEVEL PREDICTORS OF BONE TREATMENT RECOMMENDATION POST-FRACTURE: RESULTS FROM THE UK NATIONAL FRACTURE LIAISON SERVICE (FLS) DATABASE

Authors: ▶ S. Hawley, ▶ N. Vasilakis, ▶ B. Wiles, ▶ C. L. Gregson, ▶ N. Gittoes, ▶ G. Clunie, ▶ C. Cockill, ▶ I. Price, ▶ A. Judge, ▶ A. Smith
Presenting author: ▶ M. K. Javaid

14.14

OP3

FRAILTY IN OLDER COMMUNITY DWELLING ADULTS: A COMPARATIVE STUDY OF THE UK AND JAPAN

Presenting author: ▶ E. M. Dennison

Authors: ▶ K. A. Jameson, ▶ S. Tanaka, ▶ T. Iidaka, ▶ C. Cooper, ▶ N. Yoshimura

14.21

OP4

EWGSOP 2 VERSUS EWGSOP 1: IMPACT ON THE PREVALENCE OF SARCOPENIA AND ITS OUTCOMES

Presenting author: ▶ M. Locquet

Authors: ▶ C. Beaudart, ▶ J. Petermans, ▶ O. Bruyère

14.28

OP5

DIFFUSE IDIOPATHIC SKELETAL HYPEROSTOSIS IS A NEW RISK FACTOR FOR VERTEBRAL FRACTURE IN OLDER MEN – THE PROSPECTIVE MINOS STUDY

Presenting author: ▶ P. Szulc

Authors: ▶ A. Guiot, ▶ R. D. Chapurlat

14.35

OP6

FOR ALL PRACTITIONERS AND RESEARCHERS TO ASSESS HAND DYSFUNCTION IN HAND OSTEOARTHRITIS (OA): THE QUICK, FRIENDLY AND AVAILABLE FOR FREE FUNCTIONAL INDEX FOR HAND OA WEBSITE FIHOA.NET

Presenting author: ▶ E. Maheu

Author: ▶ R.-L. Dreiser

FRIDAY APRIL 5

14.42

OP7

IMMINENT FRACTURE RISK AMONGST NEW USERS OF ORAL BISPHOSPHONATES IN ACTUAL PRACTICE SETTINGS: A MULTI-NATIONAL EUROPEAN COHORT STUDY FROM DENMARK, SPAIN, AND THE UK

Authors: ▶ S. Khalid, ▶ M. T. Ernst, ▶ M. K. Javaid, ▶ C. Libanati, ▶ C. Cooper, ▶ A. Delmestri, ▶ D. Martinez-Laguna, ▶ E. Toth, ▶ B. Abrahamsen
Presenting author: ▶ D. Prieto-Alhambra

14.49

OP8

RISK OF HAND OSTEOARTHRITIS IN NEW USERS OF HORMONE REPLACEMENT THERAPY: A NESTED CASE-CONTROL ANALYSIS

Presenting author: ▶ T. S. Burkard
Authors: ▶ M. Rauch, ▶ J. Spoendlin, ▶ D. Prieto-Alhambra, ▶ S. S. Jick, ▶ C. R. Meier

14.56

OP9

CAN WE AVOID THE LOSS OF BONE MINERAL DENSITY ONE YEAR AFTER DENOSUMAB DISCONTINUATION? THE REOLAUS BONE PROJECT

Authors: ▶ G. Liebich, ▶ D. Stoll, ▶ E. Gonzalez Rodriguez, ▶ D. Hans, ▶ O. Lamy
Presenting author: ▶ B. Aubry-Rozier

15.03

OP10

MAJOR OSTEOPOROTIC FRACTURE RISK FOLLOWING BARIATRIC SURGERY: A SELF-CONTROLLED CASE SERIES INCLUDING 5,492 PEOPLE FROM THE UK CPRD AND LINKED HES DATABASES

Presenting author: ▶ D. E. Robinson
Authors: ▶ I. Douglas, ▶ G. D. Tan, ▶ C. Cooper, ▶ A. Delmestri, ▶ M. K. Javaid, ▶ A. Judge, ▶ V. Y. Strauss, ▶ D. Prieto-Alhambra

14.00 - 15.00

SYMPOSIA

Reassessment of the safety of anti-osteoarthritis medications: outcomes of an experts consensus meeting organized under the auspices of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO).

Chairpersons: ▶ Olivier Bruyère, ▶ Elaine M. Dennison

- ▶ 14:00: *Welcome and scope of the problem*
Cyrus Cooper
- ▶ 14:05: *Methodology of the ESCEO Working Group*
Cyrus Cooper
- ▶ 14:15: *Safety of analgesics, non-steroidal anti-inflammatory drugs and opioids* Nicholas Fuggle
- ▶ 14:30: *Safety of SYSADOAs, intraarticular Hyaluronic Acid and intraarticular corticosteroids*
Tim McAlindon
- ▶ 14:45: *Discussion* Nigel K. Arden

Determinants, consequences and potential solutions to poor adherence to anti-osteoporosis treatment: outcomes of an ESCEO-IOF experts consensus meeting organized under the auspices of the WHO Collaborating Centre for Public Health Aspects of Musculoskeletal Health and Aging

Chairpersons: ▶ Adolfo Diez-Perez, ▶ Stefania Maggi

- ▶ 14:00: *Welcome and scope of the problem*
Maria Luisa Brandi
- ▶ 14:05: *Determinants of non-adherence to anti-osteoporosis medications* Bernard Vrijens
- ▶ 14:20: *Recommendations to improve adherence to anti-osteoporosis medications* Mickaël Hiligsmann
- ▶ 14:35: *Recommendations for additional research needed to improve adherence to anti-osteoporosis medications* Bo Abrahamsen
- ▶ 14:45: *Discussion* (Leader : Sansin Tuzun)
- ▶ 15:00: *Closure of the meeting* Adolfo Diez-Perez

15.00 - 17.00

SCIENTIFIC SESSION III

Chairpersons: ▶ Charlotte Beaudart, ▶ Bess Dawson-Hughes

15.00

Plenary Lecture 3

Early treatment of osteoarthritis

▶ Nigel K. Arden

15.30

Oral communication selected from abstracts

15.30

OC11

CARDIOVASCULAR COMORBIDITIES HAS A DELETERIOUS INFLUENCE ON KNEE OA PROGNOSIS AT 5 YEARS: DATA FROM THE PROSPECTIVE KHOALA COHORT

Presenting author: ▶ C. Roubille

Authors: ▶ J. Joel, ▶ S. Sellam, ▶ A. C. Rat, ▶ F. Guillemin, ▶ C. Roux

15.40

OC12

PREVALENCE OF SARCOPENIA ACCORDING TO THE REVISED EWGSOP DEFINITION AND ITS ASSOCIATIONS WITH BONE STRUCTURE AND INCIDENT FALLS IN SWEDISH OLDER ADULTS

Presenting author: ▶ D. Scott

Authors: ▶ H. Johansson, ▶ L. Mcmillan, ▶ P. R. Ebeling, ▶ P. Nordstrom, ▶ A. Nordstrom

FRIDAY APRIL 5

15.50

OC13

STRENGTH AND PERFORMANCE-BASED OPERATIONAL MEASURES OF SARCOPENIA: PREVALENCE AND ASSOCIATIONS WITH SOCIAL FACTORS AND PHYSICAL DISABILITY IN 10,461 ADULTS AGED 65 YEARS AND OVER FROM SIX LOWER- AND MIDDLE-INCOME COUNTRIES

Authors: ▶ S. J. Bowe, ▶ P. Kowal, ▶ J. Gaskin, ▶ N. Naidoo, ▶ J. Snodgrass, ▶ T. Quashie, ▶ S. Agrawal, ▶ G. Eick, ▶ C. D'Este
Presenting author: ▶ S. Brennan-Olsen

16.00

OC14

WHICH MUSCLE PARAMETERS ARE LONGITUDINALLY ASSOCIATED WITH FUTURE KNEE OSTEOARTHRITIS OUTCOMES? FINDINGS FROM THE HERTFORDSHIRE COHORT STUDY

Presenting author: ▶ N. Fuggle
Authors: ▶ L. D. Westbury, ▶ K. A. Jameson, ▶ H. E. Syddall, ▶ M. H. Edwards, ▶ K. A. Ward, ▶ E. M. Dennison, ▶ C. Cooper

16.10

OC15

PATIENT ENGAGEMENT IN CLINICAL GUIDELINES DEVELOPMENT: INPUT FROM >1000 MEMBERS OF THE CANADIAN OSTEOPOROSIS PATIENT NETWORK

Presenting author: ▶ L. Funnell
Authors: ▶ M. Djekic-Ivankovic, ▶ R. Chepesiuk, ▶ L. M. Giangregorio, ▶ I. Braganca Rodrigues, ▶ R. Ridout, ▶ S. Feldman, ▶ S. Kim, ▶ H. McDonald-Blumer, ▶ G. Kline, ▶ W. E. Ward, ▶ N. Santesso, ▶ W. D. Leslie, ▶ S. N. Morin

16.20

OC16

RISK OF MAJOR OSTEOPOROTIC FRACTURE AFTER BARIATRIC SURGERY IN FRANCE: POPULATION BASED, RETROSPECTIVE COHORT STUDY

Presenting author: ▶ J. Paccou
Authors: ▶ N. Martignère, ▶ E. Lespessailles, ▶ G. Babykina, ▶ B. Cortet, ▶ G. Ficheur

16.30

Plenary Lecture 4

Guidelines for the management of osteoarthritis
▶ Jean-Yves Reginster

15.00 - 16.45

COMMITTEE OF NATIONAL SOCIETIES SPECIAL PLENARY SESSION

Clinical, social, ethical and economic burden of osteoporosis and fragility fractures

15.03

OCs1

DETERMINANTS AND HEALTH CONSEQUENCES OF A RAPID MUSCLE HEALTH DECLINE IN OLDER ADULTS FROM THE SARCOPHAGE STUDY

Presenting author: ▶ M. Locquet
Authors: ▶ C. Beaudart, ▶ J. L. Croisier, ▶ J.-Y. Reginster, ▶ O. Bruyère

15.11

OCs2

THE ASSOCIATION BETWEEN RESTING METABOLIC RATE (RMR) AND SARCOPENIC OBESITY (SO) IN OVERWEIGHT AND OBESE ADULT WOMEN

Presenting author: ▶ K. Mirzaei
Authors: ▶ N. Rasaei, ▶ S. F. Sajjadi, ▶ S. A. Keshavarz

15.19

OCs3

WILL THERE BE A FRACTURE IN THEIR FUTURE? BONE MINERAL DENSITY FINDINGS IN YOUNG SOUTH EAST ASIAN WOMEN WITH ANOREXIA NERVOSA

Presenting author: ▶ M. Chandran
Author: ▶ Y. Hao

15.27

OCs4

THE BENEFITS OF REGULAR WEIGHT BEARING ACTIVITY THROUGHOUT THE LIFE-COURSE: DO MEN AND WOMEN REAP THE SAME REWARDS?

Presenting author: ▶ J. Zhang
Authors: ▶ M. A. Clynes, ▶ K. A. Jameson, ▶ C. Cooper, ▶ E. M. Dennison

15.35

OCs5

ASSOCIATION OF 25-HYDROXY VITAMIN D WITH BONE TURNOVER MARKERS AND BONE MINERAL DENSITY IN AN IRANIAN ELDERLY POPULATION: BUSHEHR ELDERLY HEALTH (BEH) PROGRAM

Presenting author: ▶ S. Gharibzadeh
Authors: ▶ N. Fahimfar, ▶ G. Shafiee, ▶ R. Heshmat, ▶ N. Mehrdad, ▶ F. Razi, ▶ P. Khashayar, ▶ A. Raiesi, ▶ I. Nabipour, ▶ B. Larijani, ▶ A. Ostovar

15.45

Presentation of the IOF Committee of National Societies Medal

▶ Jean-Yves Reginster

15.55

OCs6

SERUM VITAMIN D LEVEL ASSOCIATED WITH COGNITIVE AND PHYSICAL FUNCTIONING OF POSTMENOPAUSAL WOMEN

Presenting author: ▶ A. A. Popov
Authors: ▶ N. V. Izmozherova, ▶ E. A. Safianik, ▶ A. A. Vikhareva, ▶ V. M. Bakhtin, ▶ M. A. Shambatov

16.03

OCs7

POSTPARTUM OSTEOPOROSIS ASSOCIATED WITH VERTEBRAL FRACTURES

Presenting author: ▶ N. Temelkova
Authors: ▶ A. Gerganova, ▶ K. Temelkova, ▶ K. Sirakova, ▶ P. Popivanov

16.11

OCs8

VALIDATION OF THE FRACTURE RISK ASSESSMENT TOOL (FRAX) CALCULATOR IN TAIWAN-TWO COHORTS STUDY

Presenting author: ▶ C. H. Wu
Authors: ▶ F. W. Liang, ▶ I. T. Liu, ▶ Y. F. Chang, ▶ L. C. Ou, ▶ C. S. Chang, ▶ T. H. Lu

FRIDAY APRIL 5

16.19

OCs9

PREVALENCE OF SARCOPENIA IN INDIAN MEN AND WOMEN VARIES ACCORDING TO THE DEFINITION USED

Presenting author: ▶ A. Zengin

Authors: ▶ B. Kulkarni, ▶ A. V. Khadilkar, ▶ V. Ekbote, ▶ N. Kajale, ▶ N. Tandon, ▶ S. K. Bhargava, ▶ H. P. S. Sachdev, ▶ S. Sinha, ▶ C. H. D. Fall, ▶ P. R. Ebeling

16.27

OCs10

VERTEBRAL PAIN AND PHYSICAL PERFORMANCE INDICES IN POSTMENOPAUSAL WOMEN WITH VERTEBRAL FRACTURES DEPENDING ON BONE MINERAL DENSITY PARAMETERS

Presenting author: ▶ N. Grygorieva

Authors: ▶ V. Povoznyuk, ▶ O. Rybina

16.35

OCs11

FAMILY HISTORY INFLUENCES FRACTURE RISK BMD- INDEPENDENTLY

Presenting author: ▶ A. I. Gasparik

Authors: ▶ M. L. Cevei, ▶ D. Stoicanescu, ▶ T. Szocs

17.00 - 18.30

INDUSTRY SATELLITE SYMPOSIUM

17.00 - 18.30

INDUSTRY SATELLITE SYMPOSIUM

SATURDAY APRIL 6

08.00 - 09.00

AVAILABLE INDUSTRY-SPONSORED BREAKFAST SYMPOSIUM

08.00 - 09.00

SPONSORED BREAKFAST SESSION

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Vitamin D: as viewed by the laboratory

Chairperson: ▶ Etienne Cavalier

- ▶ *Vitamin D: Optimal levels* Harjit Pal Bhattoa
- ▶ *Vitamin D metabolites: Now and Beyond*
Etienne Cavalier

FLS in the UK 2014-2018: implementation, standards, quality improvement and benefits

Chairperson: ▶ Bo Abrahamsen

- ▶ *FLS Implementation: An innovative service support model for secondary fracture prevention in the UK*
Will Carr
- ▶ *Securing funding for service implementation and improvement - demonstrating the benefits and effectiveness of fracture liaison services* Tim Jones
- ▶ *Vertebral Fracture Identification – meeting the challenge of FLS standards* Jill Griffin

Non-pharmacological treatment of low back pain

Chairperson: ▶ Alexandr Barulin

- ▶ *Cognitive-behavioral therapy in the treatment of chronic back pain* Olga Kurushina
- ▶ *Biomechanical aspects for understanding of non-specific low-back pain* Alexandr Barulin
- ▶ *Kinesiotaping in the correction of myofascial back pain* Bogdan Kalinchenko
- ▶ *New approaches to the correction of pain in patients with peripheral paralysis* Olga Agarkova

Learning on Common Diseases by Understanding the Rare Disorders: The Case of Bone Fragility

Chairperson: ▶ Maria Luisa Brandi

- ▶ *Taxonomy of Metabolic Bone Diseases* Laura Masi
- ▶ *FD-MAS Guidelines* Neveen Hamdy
- ▶ *Hypophosphatasia in the adults* Christian Roux
- ▶ *Phosphate wasting disorders in the adults*
Kassim Javaid

Are current treatment recommendations for Osteoarthritis adapted to old/very old patients ?

Chairpersons: ▶ Emmanuel Maheu, ▶ Odile Levy-Raynaud

- ▶ *How to manage NSAID in the Elderly in knee, hip or hand osteoarthritis treatment?* Christian Cadet
- ▶ *Are guidelines for the management of osteoarthritis adapted to very old patients: how to manage opioids in the Elderly in knee, hip or hand osteoarthritis?* Agnès Portier
- ▶ *Exercise and weight loss in the management of knee/hip OA in very old patients: current data and how to prescribe* Jean-Laurent Le Quintrec
- ▶ *Total joint replacement of knee or hip in osteoarthritis management of very old patients, is it possible: current evidence and how to proceed?*
Emmanuel Maheu

Osteosarcopenia: Elucidating bone, muscle and fat interactions

Chairperson: ▶ Gustavo Duque

- ▶ *Osteosarcopenia: Where bone, muscle and fat collide* Gustavo Duque
- ▶ *Diagnostic approach to osteosarcopenia*
Bjoern Buering
- ▶ *Osteosarcopenia: Potential Therapeutic Interventions* Liang-Kung Chen

SATURDAY APRIL 6

08.00 - 09.00

SYMPOSIUM

Recommendations for the conduct of the economic evaluation in osteoporosis: outcomes of an experts consensus meeting organized under the auspices of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO) and the International Osteoporosis Foundation (IOF) USA branch

Chairpersons: ▶ Stuart Silverman, ▶ Mickaël Hiligsmann

▶ **08:00: Welcome and scope of the problem**

Stuart Silverman

▶ **08:05: Recommendations for the conduct of economic evaluations in osteoporosis: a summary from an ESCEO-IOF USA Working Group**

Mickaël Hiligsmann

▶ **08:25: Challenges, uncertainties and future research agenda for the conduct of economic evaluations in osteoporosis: a summary from an ESCEO-IOF USA Working Group** Stuart Silverman

▶ **08:40: Discussion Panel**

▶ **08:55: Conclusion** Mickaël Hiligsmann

Panel: ▶ Susan Bukata, ▶ Philippe Halbout, ▶ Mickaël Hiligsmann, ▶ Famida Jiwa, ▶ Mike Lewiecki, ▶ Daniel Pinto, ▶ Jean-Yves Reginster, ▶ Kenneth Saag, ▶ Stuart Silverman, ▶ Anna N. A. Tosteson

08.00 - 09.00

EUGMS-ESCEO-IOF Symposium

SARCOPENIA COMES OF AGE

Chairperson: ▶ Stefania Maggi

▶ **What is new in the definition of sarcopenia?**

Alfonso Cruz Jentoft

▶ **Diagnosing sarcopenia in clinical practice** Yves Rolland

▶ **Diet and exercise to treat sarcopenia** Jürgen Bauer

09.00 - 10.30

SCIENTIFIC SESSION IV

Chairpersons: ▶ Thierry Thomas, ▶ Stefania Maggi

09.00

Plenary Lecture 5

What spaceflight has taught us regarding bone and muscle

▶ Laurence Vico

09.30

Oral communication selected from abstracts

09.30

OC17

A MULTICENTER, RANDOMIZED, RATER-BLINDED, PARALLEL-GROUP, PHASE 3 STUDY TO COMPARE THE EFFICACY, SAFETY, AND IMMUNOGENICITY OF BIOSIMILAR RGB-10 AND REFERENCE ONCE-DAILY TERIPARATIDE IN PATIENTS WITH PRIMARY OSTEOPOROSIS

Presenting author: ▶ H. Hagino

Authors: ▶ R. Narita, ▶ Y. Yokoyama, ▶ M. Watanabe, ▶ M. Tomomitsu

09.40

OC18

SKELETAL BENEFIT/RISK OF LONG-TERM DENOSUMAB (DMAB) THERAPY: A VIRTUAL TWIN ANALYSIS OF FRACTURES (FX) PREVENTED TO SKELETAL SAFETY EVENTS OBSERVED

Presenting author: ▶ S. Ferrari

Authors: ▶ E. M. Lewiecki, ▶ P. W. Butler, ▶ D. L. Kendler, ▶ N. Napoli, ▶ S. Huang, ▶ D. B. Crittenden, ▶ N. Pannaciuilli, ▶ E. Siris, ▶ N. Binkley

09.50

OC19

THE EFFECT OF COMBINED TERIPARATIDE AND WHOLEBODY VIBRATION EXERCISE IN POSTMENOPAUSAL OSTEOPOROSIS: A RANDOMIZED CONTROLLED TRIAL

Presenting author: ▶ D. B. Jepsen

Authors: ▶ J. Ryg, ▶ S. Hansen, ▶ J. Gram, ▶ N. R. Jørgensen, ▶ T. Masud

10.00

OC20

EFFECTS OF A MULTINUTRIENT FORTIFIED DAIRY PRODUCT COMBINED WITH EXERCISE ON FUNCTIONAL MUSCLE PERFORMANCE, BODY COMPOSITION AND INFLAMMATION IN SEDENTARY MIDDLE AGED WOMEN: A 4-MONTH DOUBLE-BLIND, PLACEBO CONTROLLED, RANDOMIZED TRIAL

Presenting author: ▶ R. Daly

Authors: ▶ J. Gianoudis, ▶ B. De Ross, ▶ S. O'Connell, ▶ L. Schollum, ▶ C. Gunn

10.10

OC21

EFFECT OF ORAL CHONDROITIN SULFATE ON PAIN IN PATIENTS WITH KNEE OSTEOARTHRITIS: OUTCOMES OF A COMPREHENSIVE META-ANALYSIS EXPLORING INCONSISTENCIES IN RANDOMISED, PLACEBO-CONTROLLED TRIALS

Presenting author: ▶ G. Honvo

Authors: ▶ O. Bruyère, ▶ A. Geerinck, ▶ N. Veronese, ▶ J.-Y. Reginster

SATURDAY APRIL 6

10.20

Presentation of the ESCEO-IOF Pierre Meunier Young Scientist Award

► Jean-Yves Reginster

10.30 - 12.10

SCIENTIFIC SESSION V

Chairpersons: ► Bernard Cortet, ► Elaine M. Dennison

10.30

Presentation of the IOF Medal of Achievement

► Serge Ferrari

10.40

Plenary Lecture 6

Pharmacological agents for the treatment of sarcopenia

► Roger Fielding

11.10

Oral communication selected from abstracts

11.10

OC22

DXA-BASED 3D ANALYSIS OF PROXIMAL FEMUR CORTICAL AND TRABECULAR BONE FOR FRACTURE RISK ASSESSMENT: A PROSPECTIVE STUDY IN POSTMENOPAUSAL WOMEN

Presenting author: ► E. Biver

Authors: ► M. Hars, ► R. Winzenrieth, ► R. Rizzoli, ► S. Ferrari

11.20

OC23

SARCOPENIA DEFINITIONS AS PREDICTORS OF FRACTURE RISK INDEPENDENT OF FRAX, FALLS AND BMD IN THE OSTEOPOROTIC FRACTURES IN MEN (MROS) STUDY: A META-ANALYSIS

Presenting author: ► N. C. Harvey

Authors: ► A. Odén, ► E. Orwoll, ► T. Kwok, ► M. K. Karlsson, ► B. E. Rosengren, ► E. Ribom, ► P. M. Cawthon, ► K. E. Ensrud, ► C. Cooper, ► J. A. Kanis, ► M. Lorentzon, ► C. Ohlsson, ► D. Mellström, ► H. Johansson, ► E. V. McCloskey

11.30

OC24

RELATIONSHIP BETWEEN THE CHANGES OVER TIME OF BONE AND MUSCLE HEALTH IN CHILDREN AND ADULTS: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presenting author: ► M. Locquet

Authors: ► C. Beaudart, ► N. Durieux, ► J.-Y. Reginster, ► O. Bruyère

11.40

OC25

BIRTHWEIGHT, LIMB MUSCLE MASS AND GRIP STRENGTH IN MIDDLE AGE: FINDINGS FROM THE UK BIOBANK IMAGING ENHANCEMENT

Presenting author: ► E. M. Curtis

Authors: ► J. K. H. Liu, ► K. A. Ward, ► K. A. Jameson, ► Z. Raisi-Estabragh, ► J. Bell, ► S. E. Petersen, ► C. Cooper, ► N. C. Harvey

11.50

OC26

INTRINSIC CAPACITY AND ITS ASSOCIATION WITH MORTALITY OVER THREE YEARS IN NURSING HOMES: RESULTS OF THE SENIOR COHORT

Presenting author: ► A. Charles

Authors: ► F. Buckinx, ► M. Locquet, ► J.-Y. Reginster, ► J. Petermans, ► B. Gruslin, ► O. Bruyère

12.00

OC27

DEVELOPMENT AND EXTERNAL VALIDATION OF A PATIENT-LEVEL PREDICTION MODEL FOR 60-DAY MORTALITY FOLLOWING TOTAL KNEE ARTHROPLASTY: A MULTINATIONAL COHORT STUDY

Presenting author: ► D. Prieto-Alhambra

Authors: ► A. Bourke, ► T. S. Burkard, ► E. Burn, ► R. E. Costello, ► D. J. Culliford, ► A. Delmestri, ► T. Duarte-Salles, ► Y. He, ► L. H. John, ► S. Kolovos, ► D. R. Morales, ► C. O'Leary, ► R. Pinedo-Villanueva, ► A. Prats-Urbe, ► J. Rejs, ► D. Robinson, ► A. G. Sena, ► W. Sproviero, ► V. Y. Strauss, ► R. D. Williams, ► B. B. Yimer, ► D. Yu, ► P. Ryan

12.15 - 13.45

INDUSTRY SATELLITE LUNCH SYMPOSIUM

12.15 - 13.45

INDUSTRY SATELLITE LUNCH SYMPOSIUM

14.00 - 15.00

MEET-THE-EXPERT SESSIONS

► Disorders of phosphate homeostasis

► Maria Luisa Brandi

► Vitamin D and osteoarthritis

► Tim McAlindon

► Fracture Liaison Services: models and fracture risk reduction

► Kassim Javaid

► Local Bone Treatment in Osteoporosis (supported by an Unrestricted Educational Grant from Agnovos Healthcare)

► Andreas Kurth

SATURDAY APRIL 6

14.00 - 15.00

SYMPOSIUM

Diabetes and Osteoarthritis: outcomes of an ESCEO experts consensus meeting organized under the auspices of the World Health Organization Collaborating Center for Public Health Aspects of Musculo-skeletal Health and Ageing

Chairpersons: ▶ Elaine M. Dennison, ▶ Marc Hochberg

- ▶ 14:00: *Introduction* Roland D. Chapurlat
 - ▶ 14:05: *Impact of diabetes mellitus on osteoarthritis incidence and progression* Nicola Veronese
 - ▶ 14:20 *Management of osteoarthritis in diabetic patients* Daniel Uebelhart
 - ▶ 14:35 *Discussion* André Scheen, Islene Araujo de Carvalho
 - ▶ 14:55 *Conclusion* Elaine M. Dennison
- Panel: ▶ Jaime Branco, ▶ Olivier Bruyère, ▶ Roland D. Chapurlat, ▶ Cyrus Cooper, ▶ Elaine M. Dennison, ▶ Gabriel Herrero-Beaumont, ▶ Marc Hochberg, ▶ Andrea Laslop, ▶ Emmanuel Maheu, ▶ Jean-Yves Reginster, ▶ René Rizzoli, ▶ Roland Roth, ▶ Lucio C. Rovati, ▶ André Scheen, ▶ Daniel Uebelhart, ▶ Nicola Veronese

14.00 - 15.00

Effects of biologics on bone in chronic arthritis

▶ Osvaldo D. Messina

14.00 - 15.00

Poster Viewing Session II

14.00 - 15.03

Oral presentation of selected posters

Chairperson: ▶ Tara Brennan-Speranza

14.00

OP11

INFANT FEEDING AND BONE HEALTH IN LATER LIFE: EVIDENCE FROM THE HERTFORDSHIRE COHORT STUDY

Presenting author: ▶ S. Carter

Authors: ▶ C. Parsons, ▶ Robinson, ▶ E. M. Dennison, ▶ C. Cooper

14.07

OP12

DISSCO STUDY: AN INTERNATIONAL, MULTICENTRE, DOUBLE-BLIND, RANDOMISED STUDY ON THE EFFECT OF DIACEREIN VERSUS CELECOXIB ON SYMPTOMS IN KNEE OSTEOARTHRITIS PATIENTS

Presenting author: ▶ J.-P. Pelletier

Authors: ▶ J.-P. Raynaud, ▶ P. Paiement, ▶ J. Martel-Pelletier

14.14

OP13

DEVELOPMENT OF A FRAILTY SPECIFIC PATIENT REPORTED OUTCOME (PRO): THE FRAILQOL

Presenting author: ▶ F. Buckinx

Authors: ▶ C. Beaudart, ▶ J.-Y. Reginster, ▶ Y. Rolland, ▶ M. Cesari, ▶ R. Rizzoli, ▶ J. Petermans, ▶ O. Bruyère

14.21

OP14

BONE MICROINDENTATION AND TRABECULAR BONE SCORE IDENTIFY PRIOR FRACTURE IN MEN WITH AND WITHOUT CHRONIC KIDNEY DISEASE

Presenting author: ▶ K. L. Holloway-Kew

Authors: ▶ P. G. Rufus-Membere, ▶ K. B. Anderson, ▶ M. A. Kotowicz, ▶ A. Diez-Perez, ▶ N. Hyde, ▶ J. A. Pasco

14.28

OP15

EFFECT OF BISPHOSPHONATE VERSUS MENOPAUSAL HORMONE THERAPY ON FRACTURE RECURRENCE AND MORTALITY AFTER HIP FRACTURE SURGERY IN POSTMENOPAUSAL KOREAN WOMEN: A RANDOMIZED, OPEN-LABEL TRIAL

Presenting author: ▶ S.-J. Lim

Authors: ▶ C.-W. Park, ▶ Y.-S. Park, ▶ S.-H. Choi, ▶ Y.-K. Min, ▶ B.-K. Yoon

14.35

OP16

USING ARTIFICIAL INTELLIGENCE TECHNOLOGY TO IMPROVE CASE FINDING FOR VERTEBRAL FRACTURES IN THE FRACTURE LIAISON SERVICE (FLS) SETTING

Authors: ▶ S. Connacher, ▶ R. Mansour, ▶ M. K. Javaid

Presenting author: ▶ R. Eckert

14.42

OP17

EFFECT OF NUTRITIONAL SUPPLEMENTATIONS ON PHYSICAL PERFORMANCE AND MUSCLE STRENGTH PARAMETERS IN OLDER PEOPLE: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presenting author: ▶ N. Veronese

Authors: ▶ P. Soysal, ▶ S. Maggi

14.49

OP18

MEDICAL MANAGEMENT OF ATYPICAL FEMUR FRACTURES: A SYSTEMATIC LITERATURE REVIEW

Presenting author: ▶ D. M. Van de Laarschot

Authors: ▶ M. J. Mckenna, ▶ C. Zillikens

14.56

OP19

IMPACT OF POPULATION-BASED OR TARGETED INTERVENTIONS ON FRACTURE INCIDENCE

Presenting author: ▶ N. C. Harvey

Authors: ▶ J. A. Kanis, ▶ E. Liu, ▶ M. Lorentzon, ▶ E. V. McCloskey, ▶ H. Johansson

SATURDAY APRIL 6

15.00 - 17.00

SCIENTIFIC SESSION VI

Chairpersons: ▶ Radmila Matijevic, ▶ Fanny Buckinx

15.00

Plenary Lecture 7

Tools for estimating fracture probability

▶ John A. Kanis

15.40

Oral communication selected from abstracts

15.40

OC28

COMPARISON OF THE PSYCHOMETRIC PROPERTIES OF THE SARQOL® QUESTIONNAIRE WITH THE EWGSOP AND EWGSOP2 CRITERIA FOR SARCOPENIA

Presenting author: ▶ A. Geerinck

Authors: ▶ C. Beaudart, ▶ J.-Y. Reginster, ▶ O. Bruyère

15.50

OC29

A POOLED ANALYSIS OF FALL INCIDENCE FROM PLACEBO-CONTROLLED TRIALS OF DENOSUMAB

Presenting author: ▶ E. V. McCloskey

Authors: ▶ R. Eastell, ▶ M. R. McClung, ▶ N. Pannacciulli, ▶ C. Wang, ▶ S. Yue, ▶ S. R. Cummings

16.00

OC30

IS LOW IMPACT PHYSICAL ACTIVITY ASSOCIATED WITH LOWER LIMB BONE DENSITY AND STRENGTH? RESULTS FROM THE HERTFORDSHIRE COHORT STUDY

Presenting author: ▶ C. Parsons

Authors: ▶ E. M. Dennison, ▶ J. Tobias, ▶ C. Cooper, ▶ K. A. Ward

16.10

OC31

DIETARY PROTEIN INTAKE AND FALLS IN OLDER PEOPLE: A LONGITUDINAL COHORT STUDY

Presenting author: ▶ N. Veronese

Authors: ▶ P. Soysal, ▶ S. Maggi, ▶ L. Smith

16.20

OC32

LONGITUDINAL ASSOCIATIONS BETWEEN DIETARY INFLAMMATORY INDEX AND MUSCULOSKELETAL HEALTH IN COMMUNITY-DWELLING OLDER ADULTS

Presenting author: ▶ M. M. Cervo

Authors: ▶ N. Shivappa, ▶ J. Hebert, ▶ W. Oddy, ▶ T. Winzenberg, ▶ S. Balogun, ▶ F. T. Wu, ▶ P. R. Ebeling, ▶ D. Aitken, ▶ G. Jones, ▶ D. Scott

16.30

OC33

COST-EFFECTIVENESS ASSESSMENT OF DIFFERENT GLUCOSAMINES IN PATIENTS WITH KNEE OSTEOARTHRITIS: A SIMULATION MODEL ADAPTED TO GERMANY

Presenting author: ▶ O. Bruyère

Authors: ▶ J. Detilleux, ▶ J.-Y. Reginster

16.40

Plenary Lecture 8

Osteoporosis screening and fracture risk reduction

▶ Cyrus Cooper

17.00 - 18.30

AVAILABLE INDUSTRY-SPONSORED SYMPOSIUM

17.00 - 18.30

AVAILABLE INDUSTRY-SPONSORED SYMPOSIUM

SUNDAY APRIL 7

08.00 - 09.00

AVAILABLE INDUSTRY-SPONSORED BREAKFAST SYMPOSIUM

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Bone structure in chronic arthritides

Chairpersons: ▶ Osvaldo D. Messina, ▶ Cristiano A. F. Zerbin

- ▶ *Biologic agents and bone loss in rheumatoid arthritis* Willem Lems
- ▶ *Non invasive measurement of erosive disease with QCT and MRI in rheumatoid arthritis* Jonathan D. Adachi
- ▶ *Value and limitations in HRpQCT imaging in chronic arthritides. Current status and future directions* Klaus Engelke

IOF-FFN Joint symposium - Moving from treatment to prevention of new fractures

Chairpersons: ▶ Kristina Åkesson, ▶ Matt Costa

- ▶ *Getting the stars on the map* Thierry Thomas
- ▶ *What are the potential uncertainties for trauma surgeons - e.g. fracture healing* Andy Gray
- ▶ *The future of surgical fixation in fragile bone* Matt Costa
- ▶ *Monitoring patients and tools for getting better* Kassim Javaid
- ▶ *Capture the Fracture mentorship programme* Donncha O'Gradaigh

Regenerative Medicine in degenerative joint diseases

Chairperson: ▶ George Skarpas

- ▶ *Regenerative Medicine definitions, techniques and joint applications. Where do we stand now?* George Skarpas
- ▶ *Guidelines, Theories, Practice and Regulatory mechanisms for Stem Cell Therapy* George Samoutis
- ▶ *The role of regenerative medicine in degenerative conditions of the spine. Is there really a role for it?* Elias Papadopoulos
- ▶ *Regenerative medicine techniques need specially designed and individualized rehabilitation protocols for optimal results* Eirini Kontopoulou

Women's special issues: osteoporosis

Chairperson: ▶ Adriana Orcesi Pedro

- ▶ *Risk factors for osteoporosis: Frax-based intervention and assessment thresholds in Brazil* Ben-Hur Albergaria
- ▶ *Osteoporosis prevention and treatment on special situations during women's reproductive period* Adriana Orcesi Pedro
- ▶ *Update on efficacy and safety of post-menopause hormone therapy and fracture prevention* Bruno Muzzi Camargos
- ▶ *Question & Answers with audience*

08.00 - 09.00

SYMPOSIA

New insights in the management of Osteoarthritis: an update of the ESCEO algorithm for the management of the Osteoarthritis

Chairpersons: ▶ François Rannou, ▶ Cyrus Cooper

- ▶ *08:00 Welcome* Cyrus Cooper
- ▶ *08:05 The 2014-2016 ESCEO Algorithm for the management of the Osteoarthritis* Olivier Bruyère
- ▶ *08:15 New insights in the management of Osteoarthritis* Cyrus Cooper
- ▶ *08:30 The updated ESCEO algorithm for the management of knee Osteoarthritis : Assessment of the various treatment modalities by GRADE* Nicola Veronese
- ▶ *8:55 Discussion* Roland Roth

Selection of relevant outcomes in sarcopenia: a Discrete Choice Experiment. Outcomes of an ESCEO consensus meeting

Chairpersons: ▶ Charlotte Beaudart, ▶ Mickaël Hiligsmann

- ▶ *08:00: Welcome and introduction* Mickaël Hiligsmann
 - ▶ *08:05: Identification and prioritization of important outcomes for patients in sarcopenia* Charlotte Beaudart
 - ▶ *08:20: A cross-european discrete choice experiment to assess patients' preferences for sarcopenia outcomes* Mickaël Hiligsmann
 - ▶ *08:40: Discussion* Alfonso Cruz Jentoft, Islene Araujo de Carvalho
 - ▶ *08:55: Conclusion* Charlotte Beaudart
- Panel: ▶ Jürgen Bauer, ▶ Charlotte Beaudart, ▶ Olivier Bruyère, ▶ Cyrus Cooper, ▶ Alfonso Cruz Jentoft, ▶ Mickaël Hiligsmann, ▶ Francesco Landi, ▶ Stefania Maggi, ▶ Jean-Yves Reginster, ▶ René Rizzoli, ▶ Yves Rolland

SUNDAY APRIL 7

08.00 - 09.00

ESPRM-ESCEO-IOF Joint Session

WIN - What is new in Physical and Rehabilitation Medicine on Osteoarthritis

Chairpersons: ▶ Fitnat Dincer, ▶ Michael Quittan

- ▶ *W.I.N. - What is new in Hand Osteoarthritis? Update in Physical and Rehabilitation Medicine on Hand Osteoarthritis* Fitnat Dincer
- ▶ *W.I.N. - What is new in Knee Osteoarthritis? Update in Physical and Rehabilitation Medicine on Knee Osteoarthritis* Michael Quittan
- ▶ *W.I.N. - What is New in Hip Osteoarthritis? Update in Physical and Rehabilitation Medicine on Hip Osteoarthritis* Raquel Valero

09.00 - 10.00

MEET-THE-EXPERT SESSIONS

- ▶ *Obesity, bone and muscle*
▶ Roland D. Chapurlat
- ▶ *Androgens: a role in bone and muscle disorders management?*
▶ Jean-Marc Kaufman
- ▶ *Atypical femoral fracture: stage in 2019*
▶ Emmanuel Biver
- ▶ *Pitfalls in identification of vertebral fracture*
▶ Christian Roux
- ▶ *Muscle strength/power assessment and outcomes*
▶ Olivier Bruyère, ▶ Charlotte Beaudart, ▶ Mylène Aubertin-Leheudre

09.00 - 10.00

Poster Viewing Session III

10.00 - 12.00

SCIENTIFIC SESSION VII

Chairpersons: ▶ Şansın Tüzün, ▶ Famida Jiwa

10.00

Plenary Lecture 9

Vitamin D: how much is too much?

- ▶ Bess Dawson-Hughes

10.40

Oral communication selected from abstracts

10.40

OC34

COST-EFFECTIVENESS OF GASTRO-RESISTANT RISEDRONATE TABLETS FOR THE TREATMENT OF POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS IN FRANCE

Presenting author: ▶ M. Hiligsmann

Author: ▶ J.-Y. Reginster

10.50

OC35

LOCAL OSTEO-ENHANCEMENT PROCEDURE FOR OSTEOPOROTIC BONE LOSS INCREASES RAW TRABECULAR BONE SCORE (R-TBS) IN PROXIMAL FEMURS AT 5-7 YEARS FOLLOW-UP

Presenting author: ▶ R. Hill

Authors: ▶ J. Stronckek, ▶ J. Howe, ▶ B. Huber, ▶ C. Lelong, ▶ D. Hans

11.00

OC36

EPIDURAL INJECTIONS ON LUMBAR SPONDYLOSIS PATIENTS MAY BE ASSOCIATED WITH THE RISK OF OSTEOPOROSIS: A NATIONWIDE POPULATION-BASED COHORT STUDY

Presenting author: ▶ H. W. Chen

Authors: ▶ I. H. Chen, ▶ T. C. Yu, ▶ W. T. Wu, ▶ K. T. Yeh

11.10

OC37

RESULTS FROM A PHASE 2B TRIAL OF SM04690, A NOVEL INTRA-ARTICULAR WNT PATHWAY INHIBITOR FOR THE TREATMENT OF KNEE OSTEOARTHRITIS

Authors: ▶ Y. Yazici, ▶ T. McAlindon, ▶ A. Gibofsky, ▶ N. Lane, ▶

C. Lattermann, ▶ N. Skrepnik, ▶ C. Swearingen, ▶ A. Difrancesco, ▶

M. Hochberg

Presenting author: ▶ J. Tambiah

11.20

OC38

LONG TERM RATES OF CHANGE IN MUSCULOSKELETAL AGING: FINDINGS FROM THE HEALTH, AGING AND BODY COMPOSITION STUDY

Presenting author: ▶ L. D. Westbury

Authors: ▶ H. E. Syddall, ▶ E. M. Dennison, ▶ J. Cauley, ▶ T. B. Harris, ▶

E. J. Shiroma, ▶ B. H. Goodpaster, ▶ A. B. Newman, ▶ C. Cooper

11.30

Plenary Lecture 10

Dietary protein, dairy and bone: devils or angels?

- ▶ René Rizzoli

SUNDAY APRIL 7

12.00 - 13.00

NON-SPONSORED SYMPOSIA

Osteoarthritis and vascular aging

Chairperson: ▶ Sekib Sokolovic

- ▶ *Introduction* Sekib Sokolovic
- ▶ *The impact of osteoarthritis on aging* Sansin Tüzün
- ▶ *The crosstalk between vessels, bone and cartilage: does it exist* Marius Miglinas
- ▶ *Osteoarthritis and vascular aging* Sekib Sokolovic

Approach to Osteoporotic Hip Fractures

Chairpersons: ▶ Berrin Durmaz, ▶ Sema Oncel

- ▶ *Osteoporotic Hip Fractures: Are we able to prevent?* Yesim Kirazli
- ▶ *Pharmacological Treatment after Hip Fractures: When and How?* Ozlem El
- ▶ *Adherence to Pharmacological Treatment of Osteoporosis* Yesim Gokce Kutsal
- ▶ *Rehabilitation after Hip Fractures* Funda Calis
- ▶ *Prevention of Complications Following Hip Fractures* Ozlen Peker

Osteonecrosis of the jaw management in the clinical setting

Chairperson: ▶ Bruno Muzzi Camargos

- ▶ *Pathophysiology and Risk Factors* Oscar Rosero Olarte
- ▶ *Biochemical markers and Imaging use on ONJ* Bruno Muzzi Camargos
- ▶ *Osteosteoporosis Therapies and ONJ.* Adriana Medina Orjuella
- ▶ *Clinical scenarios #1: Oral invasive procedures pre-op patients* Monique Chalem
- ▶ *Clinical scenarios #2: Oral invasive procedures pre-op patients* Ana Karina Sarmiento Lievano

Exercise with or without nutrition as countermeasures of dynapenia in older adults

Chairpersons: ▶ Bertrand Fougère, ▶ Fanny Buckinx, ▶ Mylène Aubertin-Leheudre

- ▶ *How to maintain muscle quality: the secret of a successful aging* Bertrand Fougère
- ▶ *Exercise to prevent muscle function in dynapenic or non-dynapenic older adults: one fits for all?* Mylène Aubertin-Leheudre
- ▶ *Impact of nutrition during exercise intervention on muscle adaptation in older adults* Fanny Buckinx

SPONSORED SATELLITE SYMPOSIA

THURSDAY, APRIL 4

20.00 - 21.00

INDUSTRY-SPONSORED WELCOME COCKTAIL

FRIDAY, APRIL 5

08.00 - 09.00

ABIOTEN BREAKFAST SYMPOSIUM - VITAMIN D FOR MUSCLE-SKELETAL HEALTH

Chairperson: ▶ Maria Luisa Brandi

- ▶ *Vitamin D for Bone Health* René Rizzoli
- ▶ *Vitamin D for Muscle Health* Bess Dawson-Hughes

08.00 - 09.00

AVAILABLE SPONSORED BREAKFAST SYMPOSIUM

12.15 - 13.45

MYLAN SATELLITE LUNCH SYMPOSIUM - CRYSTALLINE GLUCOSAMINE SULFATE: EXPLORING THE EFFICACY FOR POTENTIAL NEW INDICATIONS

Chairpersons: ▶ Alberto Migliore, ▶ Jean-Yves Reginster

- ▶ *ESCEO recommendations for clinical trials for hand OA* Jean-Yves Reginster
- ▶ *Hand osteoarthritis: specificities and similarities with knee OA - a short overview* Emmanuel Maheu
- ▶ *A new opportunity to treat hand Osteoarthritis: the role of crystalline glucosamine sulfate* Sandro Tenti
- ▶ *The challenge of early symptomatic knee osteoarthritis (ESKOA)* Alberto Migliore
- ▶ *Serum kinetics of cartilage biological markers in response to immobilization and physical exercise, and the potential role of CGS in this context* Anna-Maria Liphardt
- ▶ *Opening of discussion* Jean-Yves Reginster
- ▶ *Conclusion*

12.15 - 13.45

UCB SATELLITE LUNCH SYMPOSIUM - TREATING TO TARGET – A REALITY ON THE HORIZON?

Chairperson: ▶ Kassim Javaid

- ▶ *Why do we need to change our approach for patients with fragility fractures?* Kassim Javaid
- ▶ *What can we learn from other therapy areas?* Clifford J. Bailey, Serge Ferrari
- ▶ *What could we be targeting for patients with fragility fractures?* Serge Ferrari
- ▶ *How do we apply the evidence when all patients are different?* Including audience exercise
Bente Langdahl facilitated by Kassim Javaid
- ▶ *Where have we landed?*
Kassim Javaid, Serge Ferrari, Bente Langdahl

17.00 - 18.30

IBSA SATELLITE SYMPOSIUM - DIFFERENCES IN THE EFFICACY OF VARIOUS CHONDROITIN SULFATE PREPARATIONS: FACTS OR FANTASY?

Chairperson: ▶ Jean-Yves Reginster

- ▶ *Welcome and introduction* Jean-Yves Reginster
- ▶ *Efficacy and tolerance of pharmaceutical-grade Chondroitin Sulfate: What does evidence-based medicine say?* Jean-Yves Reginster
- ▶ *Is there a responder profile to pharmaceutical-grade Chondroitin Sulfate? An analysis of the CONCEPT study* Olivier Bruyère
- ▶ *CS pharmaceutical grade and CS nutraceuticals how far are they?* Chiara Schiraldi
- ▶ *Discussion and conclusion* Jean-Yves Reginster

17.00 - 18.30

KYOWA KIRIN SATELLITE SYMPOSIUM - THE MANY FACES OF RARE BONE DISEASE

Chairpersons: ▶ Cyrus Cooper, ▶ Christian Roux

- ▶ *Welcome and introductions* Cyrus Cooper, Christian Roux
- ▶ *Phosphate wasting disorders in adults: a clinical overview* Maria Luisa Brandi
- ▶ *Case report 1: Unexplained fractures in a previously healthy young adult* Salvatore Minisola
- ▶ *Case report 2: How to find the needle in the haystack?* Lars Rejnmark
- ▶ *Case report 3: A case of mistaken identity: spondyloarthritis or not?* Karine Briot
- ▶ *Q&A* Christian Roux
- ▶ *Summary and close* Cyrus Cooper

SPONSORED SATELLITE SYMPOSIA

SATURDAY, APRIL 6

08.00 - 09.00

AVAILABLE INDUSTRY-SPONSORED BREAKFAST SYMPOSIUM

08.00 - 09.00

AGNOVOS BREAKFAST SESSION - ESCEO – AGNOVOS YOUNG INVESTIGATOR AWARD BREAKFAST EVENT

- ▶ *Introduction and welcome* James Howe
- ▶ *Keynote* Andreas Kurth
- ▶ *Award winners speech*

12.15 - 13.45

ELI LILLY SATELLITE LUNCH SYMPOSIUM - 17 YEARS OF TERIPARATIDE: NEW INSIGHTS IN THE TREATMENT OF SEVERE OSTEOPOROSIS

Chairperson: ▶ Thierry Thomas

- ▶ *Welcome and Introduction* Thierry Thomas
- ▶ *New Insights on the Mechanism of Action of Teriparatide* Erik Fink Eriksen
- ▶ *New Results of Teriparatide in the Treatment of Severe Osteoporosis* Adolfo Diez-Perez
- ▶ *Question and Answers and Close* All

12.15 - 13.45

AMGEN SATELLITE LUNCH SYMPOSIUM - IMPROVING OSTEOPOROSIS CARE - GETTING CLOSER TO THE PATIENT

Chairpersons: ▶ Eugene McCloskey, ▶ Christian Roux

- ▶ *Welcome and introduction*
Eugene McCloskey, Christian Roux
- ▶ *Estimating the treatment gap in elderly women – a cross-sectional primary care study* Socrates Papapoulos
- ▶ *Utility of fracture risk assessment in primary care; identifying the right patient* Eugene McCloskey
- ▶ *Managing osteoporosis treatment – challenges and opportunities for primary care physicians*
Liesbeth Borgermans
- ▶ *Q&A session and meeting close*
Eugene McCloskey, Christian Roux

17.00 - 18.30

AVAILABLE INDUSTRY-SPONSORED SYMPOSIUM

17.00 - 18.30

AVAILABLE INDUSTRY SATELLITE SYMPOSIUM

SUNDAY, APRIL 7

08.00 - 09.00

AVAILABLE INDUSTRY-SPONSORED BREAKFAST SYMPOSIUM

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