

WORLD CONGRESS
ON OSTEOPOROSIS,
OSTEOARTHRITIS AND
MUSCULOSKELETAL
DISEASES



2020 BARCELONA

August 20-23, 2020

Barcelona | Spain
CCIB Congress Center



WORLD'S LEADING CLINICAL CONFERENCE ON BONE, JOINT AND MUSCLE HEALTH
Congress Organizer Sinklar Congress Management B.V. | Congress Secretariat www.humacom.com

www.WCO-IOF-ESCEO.org

Congress Programme

CONGRESS INFORMATION

Event

August 20-23, 2020

WORLD CONGRESS ON OSTEOPOROSIS,
OSTEOARTHRITIS AND MUSCULOSKELETAL DISEASES

The world's leading clinical conference on
bone, joint and muscle health

Venue

Centre Convencions

Internacional Barcelona (CCIB)

Plaça de Willy Brandt, 11-14
08019 Barcelona, Spain

Organizer

Sinklar Conference Management

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Congress Website

www.wco-iof-esceo.org

ABSTRACTS

Submission Period for Abstracts

October 1, 2019 to January 27, 2020

Notification to the contributors

February 11, 2020

ACCREDITATIONS

European

The WCO-IOF-ESCEO 2020 Barcelona Congress has been granted **18 European CME credits** (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

American

EACCME credits can be converted to AMA credits for American delegates.

Belgian

In Progress



REGISTRATION

	Early Registration < Dec. 3, 2019	Pre-registration < Dec. 4, 2019 - Mar. 3, 2020 >	From Mar. 4, 2020 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
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Before September 30, 2019: 50% reimbursement

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¹ A certification and signature from either a mentor/supervisor verifying training/degree status or from an employer verifying paramedical/non-doctoral status must be sent to Pacific World via e-mail.

² A copy of your Press card must be sent to Pacific World via e-mail. All registration fees include Tax for all categories (21% VAT)

SCIENTIFIC INFORMATION

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IOF Honorary President

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THURSDAY, AUGUST 20

19.00 - 20.40

Auditorium B

WCO-IOF-ESCEO - OPENING CEREMONY

Chairpersons: John A. Kanis, Jean-Yves Reginster

19.00

Auditorium B

Best clinical papers published in 2019

► René Rizzoli

Auditorium B

European Union International Anthem „Ode To Joy“ - Ludwig van Beethoven (1770-1827)

19.45

Auditorium B

ESCEO-IOF algorithm for the management of patients at low/high/very high risk of fracture

► John A. Kanis

Auditorium B

Trumpet Tune and Air - Henry Purcell (1659-1695)

20.00

Auditorium B

Opening of the meeting

► Cyrus Cooper

Auditorium B

Trumpet Voluntary – The Prince of Denmark's March - Jeremiah Clarke (1674-1707)

20.20

Auditorium B

Launch of the WHO package of tools on Integrated Care for Older People (ICOPE)

► Islene Araujo de Carvalho (World Health Organization – Geneva)

20.25

Auditorium B

Presentation of the 2020 ESCEO Medal of Excellence

► Jean-Yves Reginster

20.30

Auditorium B

Presentation of the IOF Olof Johnell Science Award

► Cyrus Cooper

Auditorium B

Galliard Battaglia - Samuel Scheidt (1587-1654)

20.35

Auditorium B

Ten years of experience in fighting osteoporosis with the ESCEO-IOF Song powered by Johann Sebastian Bach

► Christian Guenther

Auditorium B

Jesus bleibet meine Freude“ (Jesu, Joy of Man's Desiring), BWV147 - Johann Sebastian Bach (1685-1750)

20.40 - 21.40

Banquet hall

Welcome Cocktail Reception - Courtesy of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO) and the International Osteoporosis Foundation (IOF)

FRIDAY, AUGUST 21

08.00 - 09.00

Auditorium B

INDUSTRY SATELLITE BREAKFAST SYMPOSIUM

08.00 - 09.00

AVAILABLE INDUSTRY BREAKFAST SYMPOSIUM

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Meeting room 131-132

Transgender therapy and relationship with bone disorders

Chairperson: Bruno Muzzi Camargos

- *Guidelines for hormonal therapy on transgender patients* Ariana Sierra Osorio
- *From man to woman and from woman to man: Does it matter?* Andres Coy
- *Densitometric acquisition, analysis and reporting* Bruno Muzzi Camargos
- *Recommendations to maintain bone health on transgender patients* Adriana Medina Orjuella

Meeting room 133-134

Global Impact of Bone Health TeleECHO: The Prototype for Technology Enabled Collaborative Learning for Skeletal Healthcare

Chairperson: E. Michael Lewiecki

- *Introduction and Background of Bone Health TeleECHO* E. Michael Lewiecki
- *National University of Ireland Galway Bone Health TeleECHO* John J. Carey
- *Bone Health TeleECHO Moscow* Zhanna Belaya
- *Rare Bone Disease TeleECHO* Kassim Javaid
- *Panel discussion with all faculty*

Meeting room 118

Artificial Intelligence (AI) in Musculoskeletal Imaging – A Paradigm Shift ‘ante portas’?

Chairperson: Hans Peter Dimai

- *Principles of deep learning and machine learning* John A. Carrino
- *AI in various modalities of musculoskeletal imaging (radiography, DXA, CT, MRT)* Ronald M. Summers
- *Knee osteoarthritis assessment by AI increases physicians' agreement rate and accuracy* Stefan Nehr

Meeting room 119

Managing fracture risk in primary care: roles and requirements

Chairperson: Zoe Paskins

- *Current challenges for primary care osteoporosis management* Zoe Paskins
- *What osteoporosis care looks like in current UK general practice* Elizabeth Cottrell
- *Primary care and the management of special groups at risk of fracture* Elizabeth Cottrell
- *How primary care osteoporosis management can be improved* John Edwards
- *Summing up: Challenges and opportunities for better integration of primary and secondary care* Zoe Paskins
- *Close* Zoe Paskins

Meeting room 120

Nationwide identification of vertebral fragility fractures: Collaborating with Radiology

Chairperson: Bo Abrahamsen

- *Collaboration for better patient outcomes in vertebral fracture* Jill Griffin
- *National audit on the reporting of incidentally found vertebral fractures in routine radiology practice* Nadia Mahmood
- *Evaluation of the identification of vertebral fractures within fracture liaison services- looking to the future* Kassim Javaid
- *Evaluating the demand on fracture liaison services with effective identification of vertebral fractures* Helen Glenn

Meeting room 121

Winning the political case for change – launch of a policy toolkit for osteoporosis and fragility fractures

Chairperson: Ed Harding

- *Welcome and introduction to the project* Ed Harding
- *Critical challenges in osteoporosis and fragility fracture care* Cyrus Cooper
- *Policy actions needed to improve prevention and care of osteoporosis and fragility fractures* John Bowis
- *Next steps for the network* Ed Harding
- *Discussion and wrap-up* Ed Harding

FRIDAY, AUGUST 21

08.00 - 09.00

Meeting room 122

Targeting bone and muscle: Novel therapeutic approaches to osteosarcopenia

Chairperson: Serge Ferrari

- *RANKL inhibition improves muscle strength and insulin sensitivity and restores bone mass from mice to humans* Nicolas Bonnet
- *Old and new roles of amino acids and amino butyric acids in musculoskeletal diseases* Marco Brotto
- *Fat as a therapeutic target in osteosarcopenia* Gustavo Duque

Meeting room 123

Joint Symposium of the IOF Skeletal Rare Diseases Working Group (SRD-WG) and the a European Reference Network on Rare Bone Diseases (ERN-BOND)

Chairperson: Maria Luisa Brandi

- *Diversity on the pathophysiology of increased bone fragility in rare bone diseases* Naveen Hamdy
- *Quality of bone in Osteogenesis Imperfecta patients* Luca Sangiorgi

Meeting room 127-128

Vitamin D deficiency and rheumatic diseases

Chairperson: Panagiotis Athanassiou

- *Vitamin D deficiency and autoimmunity* Ifigenia Kostoglou-Athanassiou
- *Vitamin D deficiency and rheumatoid arthritis* Yannis Dionysiotis
- *Vitamin D deficiency and systemic lupus erythematosus* Panagiotis Athanassiou
- *Vitamin D receptor polymorphisms and autoimmune diseases* Lambros Athanassiou

08.00 - 09.00

Meeting room 124-125

Gut microbiota (GMB) and osteoarthritis (OA) management: outcomes of an ESCEO experts consensus meeting organized under the auspices of the World Health Organization Collaborating Center for Public Health Aspects of Musculoskeletal Health and Ageing.

Chairperson: Sansin Tüzün

- *Introduction* René Rizzoli
- *Gut microbiota and inflammation* Claudio Franceschi
- *Role of gut microbiota in non-communicable disease and osteoarthritis management* René Rizzoli
- *Discussion* René Rizzoli

Panel: Islene Araujo de Carvalho, Francis Berenbaum, Emmanuel Biver, Maria Luisa Brandi, Philip Calder, Vincenzo Castronovo, Etienne Cavalier, Antonio Cherubini, Elaine M. Dennison, Claudio Franceschi, Nicholas R. Fuggle, Andrea Laslop, Pierre Miossec, Jean-Yves Reginster, René Rizzoli, Thierry Thomas, Sansin Tüzün, Nicola Veronese

09.00 - 10.30

Auditorium A

SCIENTIFIC SESSION I

Chairpersons: Cyrus Cooper, René Rizzoli

09.00

Auditorium A

Plenary Lecture 1

- *Transient treatment discontinuation : pros and cons* Michael R. McClung

09.30

Auditorium A

Oral communication selected from abstracts

09.30

Auditorium A

OC1

EFFICACY AND SAFETY OF ROMOSOZUMAB AMONG POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS AND MILD-TO-MODERATE CHRONIC KIDNEY DISEASE

Presenting author: ► B. Langdahl

Authors: D. Miller, J. Adachi, B.-H. Albergaria, A. M. Cheung, A. Chines, E. Gielen, A. Miyauchi, M. Oates, I. R. Reid, N. Ruiz Santiago, M. Vanderkelen, W. Yang, Z. Yu

09.40

Auditorium A

OC2

ROMOSOZUMAB AFTER DENOSUMAB IMPROVES LUMBAR SPINE AND MAINTAINS TOTAL HIP BONE MINERAL DENSITY IN POSTMENOPAUSAL WOMEN WITH LOW BONE MASS

Presenting author: ► M. R. McClung

Authors: M. A. Bolognese, J. P. Brown, J.-Y. Reginster, B. L. Langdahl, N. Ruiz Santiago, Y. Shi, M. Rojeski, J. Timoshanko, C. Libanati, H. Kassahun, M. Oates

FRIDAY, AUGUST 21

09.50

Auditorium A

OC3

VERTEBRAL FRACTURES BEFORE, DURING AND AFTER DENOSUMAB. A RETROSPECTIVE STUDY OF 858 CASES

Presenting author: ▶ P. Burckhardt

Authors: O. Lamy, T. H. Buclin, M. Faouzi, D. Aeberli, F. Cattaneo, J. Dudler, M. Felder, D. Frey, P. Hasler, H. J. Häuselmann, S. Jehle-Kunz, I. Krull, T. H. Lehmann, K. Lippuner, C. Meier, U. Moser, M. Oehri, A. Rohrer, F. Tanzi, M. Toniolo, B. Uebelhart, L. Wildi, D. Wildpaner

10.00

Auditorium A

OC4

DIFFERENTIAL EFFECTS OF ABALOPARATIDE AND TERIPARATIDE ON CORTICAL VOLUMETRIC BMD AND BONE STRENGTH INDICES IN THE PROXIMAL FEMUR BY DXA-BASED 3D MODELING

Presenting author: ▶ R. Winzenrieth

Authors: S. Ominsky, Y. Wang, L. Humbert, J. Weiss

10.10

Auditorium A

OC5

FRACTURE RISK REDUCTION BY ANTI-OSTEOPOROSIS PHARMACOTHERAPY ACCORDING TO BASELINE RISK FACTORS AMONG POSTMENOPAUSAL WOMEN: METAREGRESSION ANALYSES OF RANDOMISED TRIALS

Presenting author: ▶ M. N. Händel

Authors: I. Cardoso, C. Von Bülow, J. F. Rohde, A. Ussig, S. M. Nielsen, R. Christensen, B. Langdahl, T. Thomas, J.-J. Body, M. L. Brandi, A. Diez-Perez, P. Hadji, M. K. Javadi, W. F. Lems, X. Nogués, C. Roux, S. Minisola, A. Kurth, S. Ferrari, D. Prieto-Alhambra, B. Abrahamsen

10.20

Auditorium A

OC6

BUROSUMAB IMPROVES BIOCHEMICAL, SKELETAL, AND CLINICAL FEATURES OF TUMOR-INDUCED OSTEOMALACIA (TIO) SYNDROME

Presenting author: ▶ S. Jan de Beur

Authors: P. D. Miller, T. J. Weber, M. Peacock, K. L. Insogna, R. Kumar, D. Luca, T. Cims, M. S. Roberts, T. O. Carpenter

10.30 - 12.10

Auditorium A

SCIENTIFIC SESSION II

Chairpersons: Jean-Yves Reginster, John A. Kanis

10.30

Auditorium A

Presentation of the ESCEO-IOF Herbert Fleisch Medal

▶ René Rizzoli

10.35

Auditorium A

Presentation of the IOF President's Award

▶ Cyrus Cooper

10.40

Auditorium A

Plenary Lecture 2

▶ *Differences in clinical guidelines* Eugene McCloskey

11.10

Auditorium A

Oral communication selected from abstracts

11.10

Auditorium A

OC7

TEMPORAL TRENDS AND FACTORS ASSOCIATED WITH BISPHOSPHONATE DISCONTINUATION AND RESTART

Presenting author: ▶ G. Adami

Authors: A. Jaleel, J. C. Curtis, E. Delzell, R. Chen, H. Yun, S. Daigle, T. Arora, M. I. Danila, N. C. Wright, S. M. Cadarette, A. S. Mudano, J. Foster, K. G. Saag

11.20

Auditorium A

OC8

MACROBIOTIC DIETS, PLANT-BASED DIETS, VEGETARIANISM, VEGANISM AND BONE HEALTH: A SYSTEMATIC REVIEW AND META-ANALYSES

Presenting author: ▶ I. Iguacel

Author: L. A. Moreno

11.30

Auditorium A

OC9

DISEASE PHENOTYPE AS A PREDICTOR OF TREATMENT RESPONSE IN OSTEOARTHRITIS: RESULTS FROM A PHASE II CLINICAL TRIAL OF THE FIRST-IN-CLASS IMIDAZOLINE-2 RECEPTOR LIGAND CR4056

Presenting author: ▶ G. Giacomelli

Authors: L. C. Rovati, N. Brambilla, T. Blicharski, J. Connell, C. Vitalini, A. Bonazzi, F. Girolami, M. D'Amato

11.40

Auditorium A

OC10

THE NOVEL, INTRA-ARTICULAR CLK/DYRK1A INHIBITOR LORECIVINT (SM04690), A WNT PATHWAY MODULATOR, IMPROVED RESPONDER OUTCOMES IN SUBJECTS WITH KNEE OSTEOARTHRITIS: A POST HOC ANALYSIS FROM A PHASE 2B TRIAL

Presenting author: ▶ J. Tambiah

Authors: S. Kennedy, C. Swearingen, Y. Yazici

11.50

Auditorium A

OC11

EFFICACY AND SAFETY OF AN INTRA-ARTICULAR INJECTION OF JTA-004, A NOVEL ENHANCED PROTEIN SOLUTION, IN KNEE OSTEOARTHRITIS PAIN: A RANDOMISED, DOUBLE-BLIND CONTROLLED PHASE II/III STUDY

Presenting author: ▶ O. Godeaux

Authors: M. Bettonville, M. Léon, J. Margaux, D. Urbin-Choffray, E. Theunissen, T. Besse-Hammer, Y. Fortems, S. Verlinden, A.-S. Delmarcelle, J.-F. Kaux

12.00

Auditorium A

Presentation of the ESCEO-AgNovos Healthcare Young Investigator Awards

▶ Jean-Yves Reginster

FRIDAY, AUGUST 21

12.15 - 13.45

Auditorium A

INDUSTRY SATELLITE LUNCH SYMPOSIUM

12.15 - 13.45

Auditorium B

INDUSTRY SATELLITE LUNCH SYMPOSIUM

14.00 - 15.00

Poster Area

Poster Viewing Session I

14.00 - 15.10

Podium

Oral presentation of selected posters

Chairperson: Claudia Campusano

14.00

Podium

P906

LONG-TERM SAFETY IN ADULTS WITH X-LINKED HYPOPHOSPHATEMIA (XLH) TREATED WITH BUROSUMAB, A FULLY HUMAN MONOCLONAL ANTIBODY AGAINST FGF23: FINAL RESULTS OF A PHASE 3 TRIAL

Presenting author: ▶ M. L. Brandi

Authors: A. A. Portale, T. O. Carpenter, K. Briot, E. A. Imel, P. Kamenicky, T. J. Weber, P. Pitukcheewanont, H. I. Cheong, S. Jan de Beur, Y. Imanishi, N. Ito, R. Lachmann, H. Tanaka, F. Perwad, L. Zhang, A. Skrinar, L. Rees, K. Insogna

14.07

Podium

P1133

DOES ENDOGENOUS INFLAMMATION EXPLAIN ETHNIC VARIATION IN BONE MINERAL DENSITY? RESULTS FROM THE SABRE COHORT STUDY

Presenting author: ▶ R. Durdin

Authors: C. Parsons, E. M. Dennison, S. Williams, T. Tillin, N. Chaturvedi, C. Cooper, N. C. Harvey, K. Ward

14.14

Podium

P581

AN INTERACTIVE BENEFITS AND BUDGET IMPACT CALCULATOR TO ESTIMATE POTENTIAL EFFECTS OF FRACTURE LIAISON SERVICES

Presenting author: ▶ R. Pinedo-Villanueva

Authors: A. Sami, S. Kolovos, E. Burn, M. Fujita, P. Halbout, C. Cooper, M. K. Javaid

14.21

Podium

P236

PHASE I/III STUDY TO CONFIRM BIOEQUIVALENCE AND SAFE SWITCHING OF PROPOSED BIOSIMILAR DENOSUMAB IN POSTMENOPAUSAL OSTEOPOROSIS

Presenting author: ▶ R. Eastell

Authors: J.-J. Body, C. Nie, B. Vogt

14.28

Podium

P255

SARCOPENIA AND HEALTH-RELATED OUTCOMES: AN UMBRELLA REVIEW OF OBSERVATIONAL STUDIES

Presenting author: ▶ N. Veronese

Authors: J. Demurtas, P. Soysal, L. Smith, O. Bruyère, J.-Y. Reginster, C. Beaudart, C. Cooper, M. Mirko, S. Maggi

14.35

Podium

P463

HORMONE THERAPY REDUCES THE RISK OF FRACTURE REGARDLESS OF BASELINE FRACTURE RISK – RESULTS FROM THE WOMEN'S HEALTH INITIATIVE HORMONE THERAPY TRIALS

Presenting author: ▶ M. Lorentzon

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

14.42

Podium

P559

DISABILITY-ADJUSTED LIFE YEARS RELATED TO FRAGILITY FRACTURES

Presenting author: ▶ F. Borgström

Authors: N. V. Norton, L. Karlsson, G. Ortsäter, N. C. Harvey, E. V. McCloskey, J. A. Kanis

14.49

Podium

P1265

INTEGRATED SAFETY SUMMARY OF THE NOVEL, INTRA-ARTICULAR AGENT LORECEVIVINT (LOR; SM04690), A CLK/DYRK1A INHIBITOR THAT MODULATES THE WNT PATHWAY, IN SUBJECTS WITH KNEE OSTEOARTHRITIS

Presenting author: ▶ N. Lane

Authors: I. Simsek, C. Swearingen, S. Kennedy, J. Tambiah, C. Damatarca, Y. Yazici, M. Hochberg

14.56

Podium

P590

INTRA-ARTICULAR CORTICOSTEROID KNEE INJECTION INDUCES A REDUCTION IN MENISCAL THICKNESS WITH NO TREATMENT EFFECT ON CARTILAGE VOLUME: A CASE-CONTROL STUDY

Presenting author: ▶ J.-P. Pelletier

Authors: J.-P. Raynaud, F. Abram, M. Dorais, P. Paiement, J. Martel-Pelletier

15.03

Podium

P876

ASSOCIATION BETWEEN SARC-F AND QUALITY OF LIFE MEASURED WITH THE SARQOL® QUESTIONNAIRE IN OLDER, COMMUNITY-DWELLING SUBJECTS FROM THE SARCOPHAGE COHORT

Presenting author: ▶ M. Locquet

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

FRIDAY, AUGUST 21

14.00 - 15.00

MEET-THE-EXPERT SESSIONS

Meeting room 131-132

- *Discussion of complex osteoporotic cases*
- Adolfo Díez-Perez

Meeting room 133-134

- *Management of CKD-MBD*
- Jorge Cannata Andia

Meeting room 118

- *Nutritional approach of osteoporosis prevention*
- Stefania Maggi

Meeting room 119

- *GIOP: what to do?*
- Bernard Cortet

14.00 - 15.00

Meeting room 124-125

Alternative treatments for osteoarthritis: stem cells, platelet-rich plasma, autologous chondrocyte transplantation, ...: 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 under the auspices of the International Osteoporosis Foundation (IOF).

Chairpersons: Willem Lems, Andrew Price

- *Introduction and scope of the problem* Emmanuel Maheu
- *Role of surgical regenerative therapies in the management of knee osteoarthritis* Willem Lems
- *Role of "alternative" treatments of knee osteoarthritis* Nicholas R. Fuggle
- *Discussion* Andrew Price

Panel: Francis Berenbaum, Jaime Branco, Maria Luisa Brandi, Olivier Bruyère, Philip Conaghan, Cyrus Cooper, Bernard Cortet, Maurizio Cutolo, Nicholas R. Fuggle, Germain Honvo, Jean-François Kaux, Willem Lems, Emmanuel Maheu, Radmila Matijevic, Richard Oreffo, Andrew Price, Jean-Yves Reginster, Roland Roth, Thierry Thomas, Nicola Veronese

14.00 - 15.00

Meeting room 127-128

Is there a role for MHT in the management of post-menopausal 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 under the auspices of the International Osteoporosis Foundation (IOF).

Chairpersons: Maria Luisa Brandi, Tim Hillard

- *Welcome and scope of the problem* Antonio Cano
- *Effects of MHT on bone: What, when, how?* Andrea Genazzani
- *Risk/benefit ratio of MHT before and after 60 years* Serge Rozenberg
- *Discussion (Leader: Serge Rozenberg): All participants of the Working Group*
- *Conclusions* Antonio Cano

Panel: Mylène Aubertin-Leheudre, Maria Luisa Brandi, Antonio Cano, Peter Collins, Cyrus Cooper, Andrea Genazzani, Nicholas Harvey, Tim Hillard, John A. Kanis, Jean-Marc Kaufman, Irene Lambrinoudaki, Andrea Laslop, Daniel Prieto-Alhambra, Jean-Yves Reginster, René Rizzoli, Giuseppe Rosano, Serge Rozenberg, Florence Trémollières

15.00 - 17.00

Auditorium A

SCIENTIFIC SESSION III

Chairpersons: Nicholas Harvey, Bess Dawson-Hughes

15.00

Auditorium A

Plenary Lecture 3

- *Bone turnover markers in clinical practice* Roland D. Chapurlat

15.30

Auditorium A

Oral communication selected from abstracts

15.30

Auditorium A

OC12

CONFIRMED AND SEVERE SARCOPENIA BY EWGSOP2 PREDICT 10-YEAR 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: E. Orwoll, T. Kwok, M. K. Karlsson, B. E. Rosengren, E. Ribom, J. A. Cauley, P. M. Cawthon, K. Ensrud, E. Liu, A. J. Cruz Jentoft, C. Cooper, J. A. Kanis, M. Lorentzon, C. Ohlsson, D. Mellström, H. Johansson, E. V. McCloskey

15.40

Auditorium A

OC13

MUSCLE DENSITY, BUT NOT SIZE, CORRELATES WELL WITH MUSCLE PERFORMANCE

Presenting author: ► L. Wang

Authors: Y. Yin, G. Guglielmi, X. Cheng, G. M. Blake, K. Engelke

FRIDAY, AUGUST 21

15.50

Auditorium A

OC14

THE MULTIDIMENSIONAL PROGNOSTIC INDEX PREDICTS FALLS IN OLDER PEOPLE: AN 8-YEAR LONGITUDINAL COHORT STUDY OF THE OSTEOARTHRITIS INITIATIVE

Presenting author: ▶ N. Veronese

Authors: G. Siri, A. Cella, S. Maggi, E. Ziguora, M. Puntoni, L. Smith, C. Musacchio, A. Barone, C. Sabbà, F. Vallone, A. Pilotto

16.00

Auditorium A

OC15

5-YEAR ADVERSE OUTCOMES OF SARCOPENIA DIAGNOSED ACCORDING TO SIX DIFFERENT DEFINITIONS

Presenting author: ▶ L. Lengelé

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

16.10

Auditorium A

OC16

LEVEL AND CHANGE IN SARCOPENIA COMPONENTS PREDICT ADVERSE HEALTH OUTCOMES: FINDINGS FROM THE HEALTH, AGING AND BODY COMPOSITION STUDY

Presenting author: ▶ L. D. Westbury

Authors: H. E. Syddall, N. R. Fuggle, E. M. Dennison, J. A. Cauley, E. J. Shiroma, R. A. Fielding, A. B. Newman, C. Cooper

16.20

Auditorium A

OC17

RELATIONSHIP BETWEEN OBESITY AND RISK OF MAJOR OSTEOPOROTIC FRACTURE IN POSTMENOPAUSAL WOMEN: TAKING FRAILTY INTO CONSIDERATION

Presenting author: ▶ G. Li

Authors: Z. Li, L. Thabane, J. Adachi

16.30

Auditorium A

Plenary Lecture 4

▶ *Bone fragility: beyond bone loss* Serge Ferrari

15.00 - 16.45

Meeting room 127-128

COMMITTEE OF NATIONAL SOCIETIES SPECIAL PLENARY SESSION

Musculoskeletal diseases: diagnosis, management and consequences

Chairpersons: Philippe Halbout, Jean-Yves Reginster, Famida Jiwa

15.03

Meeting room 127-128

P1081

THE BELGIAN BONE CLUB 2020 GUIDELINES FOR THE MANAGEMENT OF OSTEOPOROSIS IN POSTMENOPAUSAL WOMEN

Presenting author: ▶ D. Sanchez-Rodriguez

Authors: P. Bergmann, J.-J. Body, E. Cavalier, E. Gielen, S. Goemaere, B. Lapauw, M. R. Laurent, S. Rozenberg, G. Honvo, C. Beaudart, O. Bruyère

15.11

Meeting room 127-128

P159

THE TRABECULAR BONE SCORE IS ASSOCIATED WITH BONE MINERAL DENSITY, AND MARKERS OF BONE TURNOVER IN NON-OBESE SUBJECTS: THE BUSHEHR ELDERLY HEALTH (BEH) PROGRAM

Presenting author: ▶ A. Ostovar

Authors: S. Gharibzadeh, N. Fahimfar, M. Sanjari, G. Shafiee, R. Heshmat, N. Mehrdad, F. Razi, P. Khashayar, A. Raiesei, I. Nabipour, B. Larijani

15.19

Meeting room 127-128

P224

FREQUENCY OF DEFICIENCY AND INSUFFICIENCY OF VITAMIN D IN 547 PREGNANT BULGARIAN WOMEN (SCREENING OF BULGARIAN SOCIETY OF ENDOCRINOLOGY)

Presenting author: ▶ A.-M. Borissova

Authors: B. Cvetanova, L. Dakovska, E. Mihailova, M. Vukov

15.27

Meeting room 127-128

P225

DISCONTINUATION OF DENOSUMAB RESULTS IN RAPID INCREASE OF BONE RESORPTION AND LOSS OF BONE MINERAL DENSITY GAIN

Presenting author: ▶ M. Kokolic

Author: M. Krajnc

15.35

Meeting room 127-128

P327

CONSERVATIVE OR SURGICAL TREATMENT IN QUALITY OF LIFE PERCEPTION OF PATIENTS AFTER 3 YEARS OF VERTEBRAL OSTEOPOROTIC FRACTURE

Presenting author: ▶ A. Olascoaga-Gómez de León

Authors: R. Coronado-Zarco, P. R. Piña-Navarro

15.45

Meeting room 127-128

Presentation of the IOF Committee of National Societies Medal

▶ Jean-Yves Reginster

15.55

Meeting room 127-128

P515

PERFORMANCE OF THE "YUBI-WAKKA (FINGER-RING)" TEST AS SELF-SCREENING METHOD FOR SARCOPENIA USING THE SARCOPHAGE, BELGIAN COHORT STUDY

Presenting author: ▶ C. Beaudart

Authors: M. Locquet, L. Lengelé, J.-Y. Reginster, O. Bruyère

16.03

Meeting room 127-128

P533

CUSTOMIZED POSTURAL REBALANCING IN OSTEOPENIC SUBJECTS WITH PAINFUL DEVIATIONS OF THE SPINE: PRELIMINARY FUNCTIONAL AND DENSITOMETRIC RESULTS

Presenting author: ▶ L. Cavalli

Authors: G. Malevolti, E. Martinelli, M. L. Brandi

FRIDAY, AUGUST 21

16.11

Meeting room 127-128

P581

AN INTERACTIVE BENEFITS AND BUDGET IMPACT CALCULATOR TO ESTIMATE POTENTIAL EFFECTS OF FRACTURE LIAISON SERVICES

Presenting author: ▶ R. Pinedo-Villanueva

Authors: A. Sami, S. Kolovos, E. Burn, M. Fujita, P. Halbout, C. Cooper, M. K. Javaid

16.19

Meeting room 127-128

P727

OVERLAP BETWEEN OSTEOSARCOPENIA AND FRAILTY AND THEIR ASSOCIATION WITH POOR HEALTH CONDITIONS: THE BUSHEHR ELDERLY HEALTH (BEH) PROGRAM

Presenting author: ▶ G. Shafiee

Authors: R. Heshmat, A. Ostovar, N. Fahimfar, F. Sharifi, S. Gharibzadeh, I. Nabipour, B. Larijani

16.27

Meeting room 127-128

P826

PHARMACOGENETICS OF RESPONSE TO BISPHOSPHONATE TREATMENT IN POSTMENOPAUSAL OSTEOPOROSIS

Presenting author: ▶ P. Marozik

Authors: V. Alekna, E. Rudenko, M. Tamulaitiene, A. Rudenka, V. Samokhovec, K. Kobets

16.35

Meeting room 127-128

P387

HIP AREAL BMD BY DXA (ABMD) AND HIP VOLUMETRIC BMD BY 3D MODELING OF HIP DXA (VBMD) ARE HIGHLY CORRELATED IN BOTH FRACTURE PREVALENT AND FRACTURE NON-PREVALENT OSTEOPOROSIS PATIENTS

Presenting author: ▶ D. Kendler

Authors: A. Mann, C. Kam, V. Singh, R. Winzenrieth, M. Almohaya

17.00 - 18.30

Auditorium A

INDUSTRY SATELLITE SYMPOSIUM

17.00 - 18.30

Auditorium B

INDUSTRY SATELLITE SYMPOSIUM

SATURDAY, AUGUST 22

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Meeting room 131-132

The importance of explanations: improving communication about osteoporosis and osteoarthritis to support uptake of evidence-based treatments

Chairperson: John Edwards

- ▶ *Evidence-care gap in osteoporosis and osteoarthritis* John Edwards
- ▶ *What do we already know about how to frame explanations?* Zoe Paskins
- ▶ *Targeting communication in the clinician-patient consultation to improve uptake of fracture prevention treatments: early findings from the iFraP study* Zoe Paskins
- ▶ *What patients with osteoarthritis want and need to know to support them to undertake self-management: early findings from the PEP-OA study* Elizabeth Cottrell
- ▶ *Lessons for clinical practice and research* John Edwards
- ▶ *Close* John Edwards

Meeting room 119

CTF getting to gold framework

Chairperson: Kassim Javaid

- ▶ *Presentation of the Getting to Gold programme framework and milestones* Kassim Javaid
- ▶ *Evaluation of the mentorship programme* Monica Calo
- ▶ *Evaluation of the mentorship programme- mentees perspective* Andrea Olascoaga
- ▶ *Next steps for Getting to Gold* Kassim Javaid

Meeting room 120

Stronger Together: Innovative Collaborative Initiatives to Improve Osteoporosis Care The Asia Pacific Consortium on Osteoporosis and the Asia Pacific Fragility Fracture Alliance

Chairperson: John A. Kanis

- ▶ *The Burden of Osteoporosis and Fragility Fractures in Asia Pacific* Joon-Kiong Lee
- ▶ *Asia Pacific Consortium on Osteoporosis: Development of The Framework* Manju Chandran
- ▶ *Asia Pacific Fragility Fracture Alliance: Working group outputs* Derrick Chan
- ▶ *Q&A Session*

Meeting room 121

Inter-relation between bone, muscle, strength and fat in older adults: influence of nutrition and exercise

Chairperson: Mylène Aubertin-Leheudre

- ▶ *Influence of initial protein intake on bone density and architecture in dynapenic-obese older adults* Fanny Buckinx
- ▶ *Preserving Body & muscle composition in Obese-Osteopenic Older Women: High-Intensity Interval Training a potential intervention?* Mylène Aubertin-Leheudre
- ▶ *Physical performance in obese-osteopenic elderly women: high-intensity interval training more efficient than continuous aerobic training?* Bertrand Fougère

Meeting room 122

Bone Health in Patients with Chronic Kidney Disease

Chairperson: Maria Coco

- ▶ *Role of zinc in osteoporosis and vascular calcification: killing 2 birds with 1 stone?* Wei Chen
- ▶ *Bone, skeletal muscle, and sarcopenia in chronic kidney disease* Matthew Abramowitz
- ▶ *Treating Bone Disease in the Woman with Chronic Kidney Disease* Maria Coco

Meeting room 130

Patient-reported outcomes in sarcopenia

Chairpersons: Yves Rolland, Olivier Bruyère

- ▶ *Welcome and introduction* Olivier Bruyère
- ▶ *Quality of life in sarcopenia : an update* Charlotte Beaudart
- ▶ *Overview of generic and specific Patient Reported Outcome Measures (PROMs) in sarcopenia* Anton Geerinck
- ▶ *Conclusion* Yves Rolland
- ▶ *Questions*

08.00 - 09.00

Auditorium B

INDUSTRY BREAKFAST SYMPOSIUM

08.00 - 09.00

AVAILABLE INDUSTRY BREAKFAST SYMPOSIUM

SATURDAY, AUGUST 22

08.00 - 09.00

Meeting room 124-125

Radiofrequency Echographic Multi-Spectrometry for the in-Vivo Assessment of Bone Strength: State of the Art: 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 under the auspices of the International Osteoporosis Foundation (IOF).

Chairpersons: Maria Luisa Brandi, Adolfo Diez-Perez

- ▶ *Introduction* Hans Peter Dimai
- ▶ *Current role of bone strength in the assessment of fracture risk* Thierry Thomas
- ▶ *Radiofrequency echographic multi-spectrometry: Basic principles and clinical validation* Maria Luisa Brandi
- ▶ *Discussion* Stefano Gonnelli

Panel: Jaime Branco, Maria Luisa Brandi, Olivier Bruyère, Sergio Casciaro, Loredana Cavalli, Bernard Cortet, Adolfo Diez-Perez, Hans Peter Dimai, Stefano Gonnelli, Philippe Halbout, John A. Kanis, Jean-Marc Kaufman, Médéa Locquet, Radmila Matijevic, Jean-Yves Reginster, René Rizzoli, Thierry Thomas

08.00 - 09.00

Meeting room 127-128

Impact of whole dairy matrix on musculoskeletal health and aging. Outcomes of a workshop organized under the auspices of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO).

Chairperson: Arne Astrup

- ▶ *Introduction* Arne Astrup
- ▶ *The concept of food matrix compared to single nutrients* Ian Givens
- ▶ *Importance of dairy matrix for skeletal health* Sandra Iuliano
- ▶ *Discussion* Arne Astrup
- ▶ *Conclusion and wrap up* Arne Astrup

Panel: Arne Astrup, Nina Geiker, Ian Givens, Sandra Iuliano, Jean-Michel Lecerf, Yannis Manios, Christian Molgaard, Jean-Yves Reginster, René Rizzoli, Luc J. C. van Loon

08.00 - 09.00

Meeting room 118

EUGMS-ESCEO-IOF Joint Session "Avoiding medication related harm when treating osteoarticular disease in older people"

Chairperson: Finbarr Martin

- ▶ *Introduction: Medication related harm* Finbarr Martin
- ▶ *Drugs that may harm your older patients: potentially inappropriate prescribing* Mirko Petrovic
- ▶ *Potential problems in the use of drugs for osteoarticular conditions in old age* Antonio Cherubini

09.00 - 10.30

Auditorium A

SCIENTIFIC SESSION IV

Chairpersons: Elaine M. Dennison, Olivier Bruyère

09.00

Auditorium A

Plenary Lecture 5

- ▶ *Sarcopenia : new definitions and clinical implications* Alfonso Cruz Jentoft

09.30

Auditorium A

Oral communication selected from abstracts

09.30

Auditorium A

OC18

IDENTIFICATION OF THE MOST IMPORTANT FEATURES OF KNEE OSTEOARTHRITIS PROGRESSORS USING MACHINE LEARNING METHODS

Presenting author: ▶ A. Jamshidi

Authors: M. Leclercq, A. Labbe, J.-P. Pelletier, F. Abram, A. Droit, J. Martel-Pelletier

09.40

Auditorium A

OC19

RESVERATROL BENEFITS BONE HEALTH IN POSTMENOPAUSAL WOMEN – OUTCOMES OF THE TWO-YEAR RESHAW TRIAL

Presenting author: ▶ R. Wong

Authors: J. J. Thauang Zaw, C. Xian, P. Howe

09.50

Auditorium A

OC20

GEOGRAPHICAL ASSESSMENT OF BONE MINERAL DENSITY WITH RELUGOLIX COMBINATION THERAPY: RESULTS FROM THE PHASE 3 LIBERTY PROGRAM

Presenting author: ▶ M. R. McClung

Authors: A. Al-Hendy, R. Venturella, J. Li, L. McKain, R. Wagman

SATURDAY, AUGUST 22

10.00

Auditorium A

OC21

VITAMIN D SUPPLEMENTATION IN PREGNANCY RESULTS IN GREATER OFFSPRING BONE MASS AT 4 YEARS: FINDINGS FROM THE MAVIDOS TRIAL

Presenting author: ▶ E. M. Curtis

Authors: R. J. Moon, S. D'angelo, S. R. Crozier, N. J. Bishop, S. Gopal-Kothandapani, S. Kennedy, A. T. Papageorgiou, R. Fraser, S. V. Gandhi, I. Schoenmakers, A. Prentice, H. M. Inskip, K. M. Godfrey, M. K. Javaid, R. Eastell, C. Cooper, N. C. Harvey

10.10

Auditorium A

OC22

SUPERIOR EFFICACY OF CALCIFEDIOL SOFT GELATIN CAPSULES VS CHOLECALCIFEROL FOR THE MANAGEMENT OF VITAMIN D DEFICIENCY IN POSTMENOPAUSAL WOMEN: A TREATMENT TO BE CONSIDERED IN THERAPEUTIC GUIDELINES

Presenting author: ▶ M. L. Brandi

Authors: J. L. Pérez-Castrillón, A. Dueñas-Laita, G. Hernández-Herrero, N. Fernández-Hernando, L. Elgezabal

10.20

Auditorium A

Presentation of the ESCEO-IOF Pierre Meunier Young Scientist Award

▶ John A. Kanis

10.30 - 12.10

Auditorium A

SCIENTIFIC SESSION V

Chairpersons: Adolfo Diez-Perez, Manju Chandran

10.30

Auditorium A

Presentation of the IOF Medal of Achievement

▶ Nicholas Harvey

10.40

Auditorium A

Plenary Lecture 6

▶ *How to reduce falls in oldest people?* Andrea Trombetti

11.10

Auditorium A

Oral communication selected from abstracts

11.10

Auditorium A

OC23

PERIOSTEAL EXPANSION DOES NOT COMPENSATE LOSS OF BONE STRENGTH CAUSED BY ENDOSTEAL RESORPTION WITH AGING: A LONGITUDINAL HR-PQCT STUDY WITH 3D-REGISTRATION FROM THE GERICO COHORT

Presenting author: ▶ S. Ferrari

Authors: B. van Rietbergen, T. Chevalley, E. Biver

11.20

Auditorium A

OC24

MEASURES OF MUSCLE ADIPOSITY, BUT NOT MUSCLE CROSS-SECTIONAL AREA, PREDICT FRACTURES INDEPENDENT OF FRAX, FALLS AND BMD IN THE OSTEOPOROTIC FRACTURES IN MEN (MROS) STUDY

Presenting author: ▶ N. C. Harvey

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

11.30

Auditorium A

OC25

A NEW PREDICTION TOOL BASED ON ELECTRONIC MEDICAL RECORDS DATA TO ASSESS IMMINENT HIP FRACTURE RISK IN SECONDARY FRACTURE PREVENTION: A COHORT ANALYSIS INCLUDING OVER 700,000 PATIENTS FROM DENMARK, SPAIN AND THE UK

Presenting author: ▶ M. Pineda-Moncusí

Authors: S. Khalid, L. Elhoussein, C. Dyer-Smith, A. Moayyeri, M. Ernst, D. Martinez-Laguna, X. Nogués, C. Reyes, E. Toth, F. Lebon, C. Libanati, M. K. Javaid, C. Cooper, B. Abrahamsen, D. Prieto-Alhambra

11.40

Auditorium A

OC26

THE POTENTIAL FOR OPPORTUNISTIC IDENTIFICATION OF VERTEBRAL FRACTURES IN PATIENTS UNDERGOING A CT SCAN AS PART OF DAILY CLINICAL PRACTICE: A DESCRIPTIVE STUDY USING REGISTRY DATA

Presenting author: ▶ M. K. Skjødt

Authors: J. Nicolaes, C. D. Smith, J. Banefelt, F. Lebon, C. Libanati, K. R. Olsen, C. Cooper, B. Abrahamsen

11.50

Auditorium A

OC27

A CLINICAL TOOL FOR AUTOMATED PREDICTION OF HIP AND MAJOR OSTEOPOROTIC AT FIVE- AND ONE-YEARS FRACTURES USING ELECTRONIC MEDICAL RECORDS DATA: THE EPIC STUDY

Presenting author: ▶ D. Martinez-Laguna

Authors: C. Tebé, N. Pallarés, C. Carbonell-Abella, C. Reyes, X. Nogués, A. Diez-Perez, D. Prieto-Alhambra

12.00

Auditorium A

OC28

HIGH RISK OF HIP FRACTURE AND HIP FRACTURES SAVED IN THE SCOOP STUDY

Presenting author: ▶ E. V. McCloskey

Authors: N. C. Harvey, H. Johansson, C. Cooper, J. A. Kanis & The Scoop Study Team

SATURDAY, AUGUST 22

12.15 - 13.45

Auditorium B

INDUSTRY SATELLITE LUNCH SYMPOSIUM

12.15 - 13.45

Auditorium A

INDUSTRY SATELLITE LUNCH SYMPOSIUM

14.00 - 15.00

Poster Area

Poster Viewing Session II

14.00 - 15.10

Podium

Oral presentation of selected posters

Chairperson: Claudia Campusano

14.00

Podium

P438

FEASIBILITY, SAFETY AND EFFECTIVENESS OF A 16-WEEK HOME-BASED HOPPING AND JUMPING PILOT EXERCISE INTERVENTION IN POST-MENOPAUSAL WOMEN WITH LOW BONE MINERAL DENSITY

Presenting author: ▶ C.-A. Ng

Authors: L. B. McMillan, J. Mesinovic, L. Humbert, P. R. Ebeling, D. Scott

14.07

Podium

P579

BONE DENSITOMETRY WORLDWIDE: A GLOBAL SURVEY BY THE ISCD AND IOF

Presenting author: ▶ M. A. Clynes

Authors: L. D. Westbury, E. M. Dennison, J. A. Kanis, M. K. Javadi, N. C. Harvey, M. Fujita, C. Cooper, W. D. Leslie, C. R. Shuhart

14.14

Podium

P1104

EPIGENOME-WIDE ASSOCIATION STUDY IDENTIFIES ASSOCIATION BETWEEN 5' WNT5B CPG DNA METHYLATION AND BONE MINERAL DENSITY AT THE FEMORAL NECK IN OLDER UK ADULTS

Presenting author: ▶ N. R. Fuggle

Authors: E. M. Dennison, C. G. Bell, C. Cooper

14.21

Podium

P687

IDENTIFICATION OF FRAIL PATIENTS USING FEMORAL RADIOFREQUENCY ECHOGRAPHIC MULTI SPECTROMETRY (REMS)

Presenting author: ▶ G. Adami

Authors: G. Arioli, G. Bianchi, M. L. Brandi, C. Caffarelli, L. Cianferotti, G. Girasole, S. Gonnelli, M. Manfredini, M. Muratore, E. Quarta, L. Quarta, D. Gatti

14.28

Podium

P954

FRACTURE RISK SCREENING USING FRAX IS EFFECTIVE FOR SECONDARY FRACTURE PREVENTION: A POST-HOC ANALYSIS OF THE SCOOP TRIAL

Presenting author: ▶ C. Parsons

Authors: E. M. Curtis, L. Shepstone, J. A. Kanis, E. Lenaghan, S. Clarke, R. Fordham, N. Gittoes, I. Harvey, R. Holland, N. M. Redmond, A. Howe, T. Marshall, T. J. Peters, D. Torgerson, T. W. O'Neill, E. V. McCloskey, N. C. Harvey, C. Cooper

14.35

Podium

P874

EVALUATING QUALITY OF LIFE IN FRAILTY: APPLICABILITY AND PSYCHOMETRIC PROPERTIES OF THE SARQOL® QUESTIONNAIRE

Presenting author: ▶ C. Beaudart

Authors: A. Geerinck, M. Locquet, O. Bruyère, J.-Y. Reginster

14.42

Podium

P1019

HEALTH SERVICE USE AND RECOVERY OF QUALITY OF LIFE 12-MONTHS POST-FRACTURE: LATENT CLASS ANALYSES OF THE INTERNATIONAL COST AND UTILITIES RELATED TO OSTEOPOROTIC FRACTURES STUDY (ICUROS)

Presenting author: ▶ J. Talevski

Authors: K. Sanders, L. Busija, C. Connaughton, A. Beauchamp, G. Duque, K. Lim, F. Borgström, J. A. Kanis, S. Brennan-Olsen

14.49

Podium

P1293

COMPARATIVE FUNCTIONAL STATUS BETWEEN CENTENARIES AND OLDER ADULTS WITH HIP FRACTURE IN SPAIN: DATA FROM THE SPANISH NATIONAL HIP FRACTURE REGISTRY (RNFC)

Presenting author: ▶ B. A. Cedeno-Veloz

Authors: M. Gonzalo Lazaro, C. Bermejo Boixareu, A. Guizarro Valtueña, L. Navarro Castellanos, P. Sáez-López, R. Queipo, C. Ojeda-Thies, P. Gomez Campelo, J. I. González Montalvo

14.56

Podium

P880

SARCOPENIA ACCORDING TO EWGSOP2 IS ASSOCIATED WITH GLOBAL SAGITTAL IMBALANCE OF THE SPINE IN OLDER ADULTS: THE SAFE COHORT STUDY

Presenting author: ▶ A. Trombetti

Authors: M. Hars, A. Faundez, J. Fechtenbaum, K. Briot, C. Roux, F. Herrmann, S. Ferrari, S. Genevay, S. Boudabbous

SATURDAY, AUGUST 22

15.03

Podium

P875

DEVELOPMENT OF A SHORT VERSION OF THE SARCOPENIA QUALITY OF LIFE (SARQOL®) QUESTIONNAIRE

Presenting author: ▶ A. Geerinck

Authors: O. Bruyère, M. Locquet, S. Gillain, C. Monseur, J.-Y. Reginster, C. Beaudart

14.00 - 15.00

MEET-THE-EXPERT SESSIONS

Meeting room 127-128

▶ *Menopausal hormone therapy in 2020*

▶ Santiago Palacios

Meeting room 131-132

▶ *Risks and benefits of calcium supplementation*

▶ Nicholas Harvey

Meeting room 120

▶ *Physical therapy for osteoarthritis*

▶ Olivier Bruyère, Daniel Pinto

Meeting room 118

▶ *Local bone treatments*

▶ Maria Luisa Brandi

Meeting room 119

▶ *Milk, yogurt, cheese and bone: Friends or foes ?*

▶ Sandra Iuliano

Meeting room 121

▶ *Structural factors, purity and biological properties: The correct choice of chondroitin sulfate in the OA management (supported by an Unrestricted Educational Grant from Ibsa)*

▶ Chiara Schiraldi

14.00 - 15.00

Meeting room 124-125

Algorithm for the use of biochemical markers of bone turnover in the diagnosis and follow-up of treatment for osteoporosis: outcomes of an ESCEO experts consensus meeting organized under the auspices of the World Health Organization Collaborating Center for Public Health Aspects of Musculoskeletal Health and Ageing

Chairperson: Adolfo Diez-Perez

▶ *Introduction* John A. Kanis

▶ *Clinical application of bone turnover markers in post-menopausal osteoporosis* Mattias Lorentzon

▶ *Algorithm for the assessment of anti-osteoporosis treatments by bone turnover markers* Eugene McCloskey

▶ *Discussion* Eugene McCloskey

Panel: Jaime Branco, Maria Luisa Brandi, Olivier Bruyère, Etienne Cavalier, Roland D. Chapurlat, Cyrus Cooper, Bernard Cortet, Adolfo Diez-Perez, Serge Ferrari, Andrea Ildiko Gasparik, Markus Herrmann, Niklas Rye Jorgensen, John A. Kanis, Jean-Marc Kaufman, Andrea Laslop, Médée Locquet, Mattias Lorentzon, Radmila Matijevic, Eugene McCloskey, Salvatore Minisola, Richard Pikner, Jean-Yves Reginster, René Rizzoli, Pawel Szulc

15.00 - 17.00

Auditorium A

SCIENTIFIC SESSION VI

Chairpersons: Charlotte Beaudart, E. M. Curtis

15.00

Auditorium A

Plenary Lecture 7

▶ *What did we learn from the recent large vitamin D trials* Bess Dawson-Hughes

15.30

Auditorium A

Oral communication selected from abstracts

15.30

Auditorium A

OC29

BONE MICROARCHITECTURE OR AREAL BONE MINERAL DENSITY FOR DISCRIMINATION OF VERTEBRAL DEFORMITY IN OLDER ADULTS: A CROSS-SECTIONAL STUDY

Presenting author: ▶ C. Ma

Authors: F. Wu, F. Pan, L. Laslett, A. Shah, K. Squibb, R. Zebaze, T. Winzenberg, G. Jones

15.40

Auditorium A

OC30

NO NEGATIVE ASSOCIATIONS, AND EVEN SOME POSITIVE ONES, BETWEEN BONE MASS, MICROSTRUCTURE AND STRENGTH, AND DIETARY ACID LOAD IN A PROSPECTIVE COHORT OF COMMUNITY-DWELLING WOMEN AND MEN

Presenting author: ▶ M. Papageorgiou

Authors: F. Merminod, T. Chevalley, B. van Rietbergen, S. Ferrari, R. Rizzoli, E. Biver

15.50

Auditorium A

OC31

FREQUENCY OF NORMAL DXA AND T-SCORE OSTEOPOROSIS IN POSTMENOPAUSAL WOMEN WITH FRACTURE: A REGISTRY-BASED COHORT STUDY

Presenting author: ▶ N. Binkley

Authors: S. N. Morin, P. Martineau, L. M. Lix, D. Hans, W. D. Leslie

16.00

Auditorium A

OC32

THE RISK OF HIP AND NON-VERTEBRAL FRACTURES IN PARKINSON'S DISEASE: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presenting author: ▶ M. Schini

Authors: T. Vilaca, E. Poku, S. Harnan, A. Sutton, I. E. Allen, S. Cummings, R. Eastell

16.10

Auditorium A

OC33

MUSCLE DENSITY IS BETTER THAN BONE DENSITY IN THE DISCRIMINATION OF INCIDENT HIP FRACTURE: A PROPENSITY SCORE MATCHING STUDY

Presenting author: ▶ L. Wang

Authors: Y. Yin, G. M. Blake, X. Cheng, K. Engelke

SATURDAY, AUGUST 22

16.20

Auditorium A

OC34

EFFICACY OF SYMPTOMATIC TREATMENTS FOR KNEE OA: A SYSTEMATIC REVIEW AND NETWORK META-ANALYSIS WITH A 6-MONTH TIME-HORIZON

Presenting author: ▶ C. Beaudart

Authors: L. Lengelé, A. Geerinck, V. Leclercq, D. Sanchez-Rodriguez, O. Bruyère, J.-Y. Reginster

16.30

Auditorium A

Plenary Lecture 8

▶ *New pharmacological treatments for osteoarthritis*

Elaine M. Dennison

15.00 - 16.45

Meeting room 127-128

Committee of Scientific Advisors Special Session: Technology, comorbidity and rehabilitation in bone health- highlights from the IOF Committee of Scientific Advisors 2020

Chairpersons: Nicholas Harvey, Serge Ferrari

- ▶ *Novel technologies for the non-invasive evaluation of femoral strength in fracture risk assessment*
Mary Bouxsein
- ▶ *Optimisation of bone health in chronic kidney disease: EURO-IOF consensus statement* Kassim Javaid
- ▶ *Maximising function through post-fracture rehabilitation* Olivier Bruyère

17.00 - 18.30

Auditorium A

INDUSTRY SATELLITE SYMPOSIUM

17.00 - 18.30

AVAILABLE INDUSTRY SATELLITE SYMPOSIUM

SUNDAY, AUGUST 23

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Meeting room 133-134

DENOSUMAB discontinuation: Trends, challenges, ups-and-downs

Chairperson: Bruno Muzzi Camargos

- ▶ *Vertebral Fracture Following D-Mab Discontinuation: Supporting Data* Oscar Rosero Olarte
- ▶ *Pathophysiology Of The Osteoclastic "Flare" After Discontinuation* Adriana Medina Orjuella
- ▶ *Biochemichal And Imaging Assessment: Ups And Downs* Bruno Muzzi Camargos
- ▶ *Bone Loss After D-Mab Discontinuation In 150 Patients* Maria Belen Zanchetta
- ▶ *D-Mab Patient Management In The Clinical Setting: Stepping On The Right Foot* Luis Fernando Vidal Neira

Meeting room 118

When a DXA is indicated, a VFA is also recommended

Chairpersons: Willem Lems, Kristina Åkesson

- ▶ *Introduction* Willem Lems
- ▶ *Clinical relevance of vertebral fractures* Julien Paccou
- ▶ *Radiological diagnosis of vertebral fractures with VFA* Jean Zhang
- ▶ *Advantages and limitations of VFA* Manju Chandran
- ▶ *Discussion* Kristina Åkesson

Meeting room 119

Fragility fractures in Sub-Saharan Africa: Time to break the myth!

Chairperson: Kate Ward

- ▶ *Chairs introduction and setting the scene* Kate Ward
- ▶ *Trends in fracture incidence in high-income countries* Bo Abrahamsen
- ▶ *Breaking the myth in Sub-Saharan Africa – what do we know about fragility fracture?* Kate Ward
- ▶ *Panel discussion*
- ▶ *Summary and wrap-up* Kate Ward

Meeting room 122

Female Bone Health: a gynecological approach on women's special conditions

Chairperson: Adriana Orcesi Pedro

- ▶ *Opening* Adriana Orcesi Pedro
- ▶ *Update on management of low bone mass in young women* Adriana Orcesi Pedro
- ▶ *Bone mass and fracture risk during pregnancy and lactation* Ben-Hur Albergaria
- ▶ *Evaluation and management of osteopenia and osteoporosis in breast and gynecological cancer survivors* Marcelo Luis Steiner
- ▶ *Question & Answers with audience*

Meeting room 123

Sarcopenic obesity

Chairperson: Ifigenia Kostoglou-Athanassiou

- ▶ *Sarcopenia. Diagnosis and evaluation* Panagiotis Athanassiou
- ▶ *Sarcopenia and nutrition* Lambros Athanassiou
- ▶ *Sarcopenic obesity. Definition and pathophysiology* Ifigenia Kostoglou-Athanassiou
- ▶ *Sarcopenic obesity. Management* Yannis Dionysiou
- ▶ *Discussion*

Meeting room 130

The Brussels study on the early predictors of frailty (BUTTERFLY) – part 1: Defining Frailty

Chairperson: Dominique Verté

- ▶ *Introduction* Ivan Bautmans
- ▶ *Towards a uniform language of Frailty* Roberta Vella-Azzopardi
- ▶ *Fatigue in the frailty constructs* Veerle Knoop
- ▶ *The disability paradox in the frailty constructs* Axelle Costenoble
- ▶ *Measures of cognition in the frailty constructs* Mirko Petrovic
- ▶ *Discussion*

08.00 - 09.00

AVAILABLE INDUSTRY BREAKFAST SYMPOSIUM

SUNDAY, AUGUST 23

08.00 - 09.00

Meeting room 131-132

ESPRM-ESCEO-IOF Joint Session

Meeting room 131-132

Fibromyalgia : An evidence-based approach for diagnosis and management

Chairperson: Fitnat Dincer

- *Update in Diagnosis of Fibromyalgia on the basis of Evidence Based Medicine* Andreas Winkelman
- *Update in Pharmacological Management of Fibromyalgia on the Basis of Evidence Based Medicine* Fitnat Dincer
- *Update in Non-Pharmacological Management of Fibromyalgia on the Basis of Evidence Based Medicine* Raquel Valero, Susana Munoz

08.00 - 09.00

Meeting room 120

Educational Lecture

Behavioral strategies for the busy clinician

► Daniel Pinto

08.00 - 09.00

Meeting room 121

Educational Lecture

Vascular calcification and bone fragility: Links beyond the ageing

► Jorge Cannata Andia

08.00 - 09.00

Meeting room 124-125

Assessment of cardio-vascular safety of anti-osteoporosis 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) and under the auspices of the International Osteoporosis Foundation (IOF).

Chairpersons: Adolfo Diez-Perez, Nicholas R. Fuggle

- *Welcome and scope of the problem* Adolfo Diez-Perez
- *Assessment of cardio-vascular safety of Calcium and Vitamin D* Nicholas Harvey
- *Assessment of cardio-vascular safety of menopausal hormonal therapy and SERMs* Santiago Palacios
- *Assessment of cardio-vascular safety of peptides and monoclonal antibodies used as a treatment for osteoporosis* René Rizzoli
- *Discussion (Leader: Santiago Palacios): All participants of the Working Group*
- *Conclusions* Nicholas R. Fuggle

Panel: Maria Luisa Brandi, Antonio Cano, Cyrus Cooper, Elaine M. Dennison, Adolfo Diez-Perez, Nicholas R. Fuggle, Nicholas Harvey, John A. Kanis, Jean-Marc Kaufman, Santiago Palacios, Daniel Prieto-Alhambra, Jean-Yves Reginster, René Rizzoli, Serge Rozenberg, Thierry Thomas, Florence Trémollières

09.00 - 10.00

Poster Area

Poster Viewing Session III

09.00 - 10.00

MEET-THE-EXPERT SESSIONS

Meeting room 127-128

- *Bariatric surgery, bone and joints*
- Daniel Prieto-Alhambra

Meeting room 131-132

- *Androgens, bone and muscles*
- Jean-Marc Kaufman

Meeting room 133-134

- *Efficacy and cost/benefit of FLS*
- Radmila Matijevic

Meeting room 118

- *High Bone Mass: What are the causes and how should we manage it?*
- Celia L. Gregson

Meeting room 119

- *Local Bone Treatment in Osteoporosis (supported by an Unrestricted Educational Grant from Agnovo Healthcare)*
- Andreas Kurth

10.00 - 12.00

Auditorium A

SCIENTIFIC SESSION VII

Chairpersons: Famida Jiwa, Serge Ferrari

10.00

Auditorium A

Plenary Lecture 9

- *Rare bone diseases : what do they teach us for musculoskeletal disorders management*
- Kassim Javaid

10.30

Auditorium A

Presentation of the ESCEO-IOF Young Investigator Awards

- Cyrus Cooper

10.40

Auditorium A

Oral communication selected from abstracts

10.40

Auditorium A

OC35

OSTEOGENESIS IMPERFECTA: FRACTURE CHARACTERISTICS DURING PREGNANCY AND POST-PARTUM

Presenting author: ► E. Koumakis

Authors: A. Dellal, M. Debernardi, B. Cortet, F. Debais, R. M. Javier, T. Thomas, N. Mehsen, M. Cohen-Solal, E. Fontanges, M. Laroche, C. Marcelli, K. Briot, C. Roux, C. Cormier

SUNDAY, AUGUST 23

10.50

Auditorium A

OC36

TREATMENT INITIATION RATE POST HIP FRACTURE AS A KEY INDICATOR IN AN ORTHOPAEDIC FRACTURE LIAISON SERVICE

Presenting author: ▶ J. Delisle

Authors: B. Benoit, G. Y. Laflamme, S. Leduc, H. Nguyen, P. Ranger, J. Fernandes

11.00

Auditorium A

OC37

PHYSICAL PERFORMANCE TRAJECTORIES AND MORTALITY AMONG NURSING HOME RESIDENTS: THE RESULTS OF THE SENIOR COHORT

Presenting author: ▶ A. Charles

Authors: J. Detilleux, F. Buckinx, J.-Y. Reginster, B. Gruslin, O. Bruyère

11.10

Auditorium A

OC38

LIFESTYLE, ANTHROPOMETRY, AND BONE HEALTH ACROSS THREE GENERATIONS OF THE HERTFORDSHIRE COHORT STUDY

Presenting author: ▶ S. Carter

Authors: C. Parsons, M. O'bresail, K. Ward, C. Cooper, N. C. Harvey, E. M. Dennison, M. A. Clynes

11.20

Auditorium A

OC39

THE DIFFERENT DIAGNOSIS CRITERIA OF THE EWGSOP2 DEFINITION AND LONG-TERM CLINICAL OUTCOMES

Presenting author: ▶ C. Beaudart

Authors: M. Locquet, L. Lengelé, J.-Y. Reginster, O. Bruyère

11.30

Auditorium A

Plenary Lecture 10

- ▶ *Strategies to fill the Treatment Gap in Osteoporosis: place of Combination and Sequential Regimens* Manju Chandran

12.00 - 13.00

NON-SPONSORED SYMPOSIA

Meeting room 124-125

Clinical diagnostics of chronic and acute pain. Multimodal approach

Chairperson: Olga Kurushina

- ▶ *Acute and chronic pain: The difference between diagnostic approaches* Olga Kurushina
- ▶ *Pain and biomechanics* Alexander Barulin
- ▶ *Features of clinical diagnosis of cervicogenic headache* Anna Drushlyakova
- ▶ *Diagnosis of temporomandibular disorders in patients with chronic facial pain* Bogdan Kalinchenko

Meeting room 127-128

Awareness, Risk factors and Early Detection of Osteoporosis in Turkish Postmenopausal Female Patients

Chairpersons: Pinar Borman, Vesile Sepici

- ▶ *The Awareness and Knowledge of Osteoporosis and Risk factors in a group Turkish Geriatric Patients* Belgin Karaoglan
- ▶ *The Knowledge about Osteoporosis in a Group of Turkish Females: Relationship with Quantitative Ultrasonographic Scores* Pinar Borman
- ▶ *Laboratory overview of bone turnover markers* Aylin Sepici Dincel
- ▶ *Risk Factors of osteoporosis and osteoporotic fractures* Vesile Sepici

Meeting room 131-132

Controversies regarding the management of gout and asymptomatic hyperuricemia

Chairperson: Razvan Adrian Ionescu

- ▶ *Uric acid - Friend or foe?* Mihai Bojinca
- ▶ *Asymptomatic hyperuricemia - The hidden realm (Imaging clue)* Florentin Ananu Vreju
- ▶ *Bone mineral density in hyperuricemia and gout - Collateral damage?* Claudiu Avram
- ▶ *Gout treatment - As easy as it seems?* Razvan Adrian Ionescu

Meeting room 133-134

The microcirculation abnormalities in osteoporosis and osteoarthritis

Chairpersons: Sekib Sokolovic, Alena Rudenko

- ▶ *Introduction* Sekib Sokolovic
- ▶ *Angiogenesis and Bone* Gerold Holzer
- ▶ *Vascular pathology and Osteoarthritis, Imaging of Microcirculation* Juan Jose Scali
- ▶ *The Microcirculation abnormalities in Osteoporosis and Osteoarthritis* Sekib Sokolovic
- ▶ *Discussion and Closing remarks*

Meeting room 118

Non-pharmacological approaches in the management of osteoporosis

Chairperson: Yesim Gokce Kutsal

- ▶ *How to modify life-style?* Yesim Gokce Kutsal
- ▶ *The role of exercises: What type of exercise when?* Jale Meray
- ▶ *Are orthoses and physical modalities effective for osteoporosis and/or osteoporotic fractures?* Ayse A. Kucukdeveci
- ▶ *Case presentations* Yesim Kirazli

SUNDAY, AUGUST 23

12.00 - 13.00

Meeting room 119

Relevance of body composition in chronic diseases

Chairperson: Mislav Radić

- *Association of body composition with disease activity in rheumatoid arthritis* Mislav Radić
- *Relationship of body composition with osteoporosis* Tonko Vlask
- *Impact of disability on body composition in multiple sclerosis* Ozren Polasek

Meeting room 120

Osteosarcopenia school

Chairpersons: Mark Lissens, Yannis Dionysiotis

- *Osteosarcopenia* Ifigenia Kostoglou-Athanassiou
- *Neurogenic osteoporosis due to sarcopenia in post poliomyelitis patients* Mark Lissens
- *Osteosarcopenia school* Yannis Dionysiotis
- *Discussion*

Meeting room 121

The Brussels study on the early predictors of frailty (BUTTERFLY) – part 2: First results from the BUTTERFLY study

Chairperson: Dominique Verté

- *Introduction* Ivan Bautmans
- *General profile of the Butterfly participants*
Aziz Debain
- *Validated equations for estimating body composition in the oldest old* Jona Van den Broeck
- *Immunosenescence signatures in pre-frailty*
Rose Njemini
- *Discussion*

SPONSORED SATELLITE SYMPOSIA

THURSDAY, AUGUST 20

20.40 - 21.40

Banquet hall

Welcome Cocktail Reception - Courtesy of the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO) and the International Osteoporosis Foundation (IOF)n Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO) and the International Osteoporosis Foundation (IOF)

FRIDAY, AUGUST 21

08.00 - 09.00

AVAILABLE INDUSTRY BREAKFAST SYMPOSIUM

08.00 - 09.00

Auditorium B

GEDEON RICHTER SATELLITE BREAKFAST SYMPOSIUM: ONE GIANT LEAP FOR MANKIND

Chairperson: Enrique Casado

- *Future Space Missions* Marc Torras Ribell
- *Future Osteoporosis Guidelines* Mattias Lorentzon

12.15 - 13.45

Auditorium A

MYLAN SATELLITE LUNCH SYMPOSIUM: PATIENT-CENTERED CARE FOR OA: PATIENTS' VALUES AS A COMPASS FOR CLINICAL DECISION

Chairpersons: Jean-Yves Reginster, Stefania Maggi

- *Welcome and Introduction* Jean-Yves Reginster
- *Improving osteoarthritis care: the value of patients' preference research* Mickaël Hilgsmann
- *Drugs safety in the treatment of osteoarthritis: a critical appraisal* Stefania Maggi
- *What makes a difference between SYSADOAs* Jean-Yves Reginster
- *Discussion*
- *Conclusion*

12.15 - 13.45

Auditorium B

UCB SATELLITE LUNCH SYMPOSIUM: BUILDING A STRONGER FUTURE FOR POSTMENOPAUSAL WOMEN WITH SEVERE OSTEOPOROSIS

Chairpersons: Serge Ferrari, Josep Blanch Rubió

- *Welcome and introduction* Serge Ferrari, Josep Blanch Rubió
- *Challenges of reducing fracture risk for patients with severe osteoporosis* Bo Abrahamsen
- *A new treatment option for patients with severe osteoporosis at high risk of fracture* Bente Langdahl
- *Individualising the treatment approach for patients with severe osteoporosis: Evaluating the balance of benefits and risks* Gaetano De Ferrari, Eugene McCloskey
- *Discussion* All
- *Conclusion and closing remarks* Serge Ferrari, Josep Blanch Rubió

17.00 - 18.30

Auditorium B

KYOWA KIRIN SATELLITE SYMPOSIUM: COULD YOUR OSTEOPOROSIS PATIENT BE HIDING ANOTHER BONE DISORDER?

Chairperson: Maria Luisa Brandi

- *Osteoporosis or osteomalacia? – A differential diagnosis* Pilar Peris
- *Osteomalacia and bone quality* Ralf Oheim
- *A missing link: Understanding X-linked hypophosphatemia and FGF23-mediated osteomalacia* Maria Luisa Brandi

SPONSORED SATELLITE SYMPOSIA

17.00 - 18.30

Auditorium A

TRB CHEMEDICA SATELLITE SYMPOSIUM: CA-CHITOSAN: AN INNOVATIVE SINGLE-SHOT IMPLANT FOR THE SYMPTOMATIC TREATMENT OF KNEE OSTEOARTHRITIS

Chairperson: Jean-Yves Reginster

- ▶ *Introduction* Jacques Bentin
- ▶ *CA-chitosan: origin, properties and preclinical activity* Laurence Hermitte
- ▶ *Clinical efficacy of intra-articular CA-chitosan in knee osteoarthritis* Pieter Emans
- ▶ *Questions and Answers* Pieter Emans
- ▶ *Closing words* Jacques Bentin

SATURDAY, AUGUST 22

08.00 - 09.00

AVAILABLE INDUSTRY BREAKFAST SYMPOSIUM

08.00 - 09.00

Auditorium B

APTISSEN SATELLITE BREAKFAST SYMPOSIUM: FROM GUIDELINES TO CLINICAL PRACTICE : THE PLACE OF HYALURONIC ACID INJECTION

- ▶ *Place of viscosupplementation in the management of OA of the knee* Olivier Bruyère
- ▶ *Efficacy and safety of two hyaluronic acids in the treatment of knee osteoarthritis* Bernard Cortet

12.15 - 13.45

Auditorium A

AMGEN SATELLITE LUNCH SYMPOSIUM: A CHRONIC DISEASE: GOING BEYOND TODAY WITH OSTEOPOROSIS

Chairpersons: Serge Ferrari, Adolfo Diez-Perez

- ▶ *Welcome and Introduction* Serge Ferrari, Adolfo Diez Perez
- ▶ *Fractured patients – latest data from EU registries* Cristina Ojeda-Thies
- ▶ *Deep diving into sequential therapy: focus on medical society guidelines* Eugene McCloskey
- ▶ *What role does denosumab play in long-term therapy of osteoporosis?* Serge Ferrari
- ▶ *Panel discussion and summary* Serge Ferrari, Adolfo Diez Perez

12.15 - 13.45

Auditorium B

PFIZER SATELLITE LUNCH SYMPOSIUM

17.00 - 18.30

AVAILABLE INDUSTRY SATELLITE SYMPOSIUM

17.00 - 18.30

Auditorium A

ALEXION SATELLITE SYMPOSIUM: A NEEDLE IN A HAYSTACK: RECOGNISING AND MANAGING ADULTS WITH HYPOPHOSPHATASIA AMONG OTHER MORE COMMON BONE DISEASES

Chairperson: Maria Luisa Brandi

- ▶ *Welcome and Introduction* Maria Luisa Brandi
- ▶ *What happens if we don't find the needle: understanding the burden of disease and misdiagnosis in adults with HPP* Maria Luisa Brandi
- ▶ *Find the needle in the haystack: differential diagnosis of HPP in the setting of adult osteoporosis* Richard Eastell
- ▶ *After the needle: managing adult patients with HPP* Lothar Seefried
- ▶ *Panel discussion and Questions & Answers session* All

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