CONGRESS INFORMATION

EVENT
April 14-17, 2016
WORLD CONGRESS ON OSTEOPOROSIS,
OSTEOARTHRITIS AND MUSCULOSKELETAL
DISEASES

VENUE
Palacio de Ferias y Congresos de Malaga
Avenida Ortega y Gasset, 201
29006 Malaga, Spain
Tel: +34 952 045 500
www.fycma.com

ORGANIZER
Sinklar Conference Management
Hogehilweg, 7K
1101CA Amsterdam Zuidoost, Netherlands
secretariat@sinklarcm.org

SECRETARIAT
Humacom
Rue Renier, 9
4800 Verviers, Belgium
Tel: +32 87 852 652
Fax: +32 87 315 003
info@humacom.com
www.humacom.com

CONGRESS WEBSITE
www.wco-iof-esceo.org

REGISTRATION

<table>
<thead>
<tr>
<th>Event</th>
<th>Early Registration &lt; Dec 4, 2015</th>
<th>Pre-registration &lt; Dec 4, 2015 - Mar 4, 2016</th>
<th>On Site</th>
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<tr>
<td>IOF Member</td>
<td>735 €</td>
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<td>Non-Member</td>
<td>795 €</td>
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<tr>
<td>Student</td>
<td>250 €</td>
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Registration cancellation:
within June 30, 2015, 50% of the registration fee will be refunded.
After this date, no refund will be possible for cancellations.

ABSTRACTS

SUBMISSION PERIOD FOR ABSTRACTS
October 1, 2015 to January 15, 2016

NOTIFICATION TO THE CONTRIBUTORS
February 5, 2016

ACCREDITATIONS

EUROPEAN
The WCO-IOF-ESCEO Malaga 2016 Congress was granted 15 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
The WCO-IOF-ESCEO Malaga 2016 Congress was granted 3 Belgian CME credits (INAMI/ RIZIV) under the numbers 15025422, 15025901, 15025420 in category 6 “Ethics & Economy”. CME credits for the category 4 “International Meeting” are in process.

ITALIAN
Italian Accreditation is in process
**SCIENTIFIC INFORMATION**

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- John A. KANIS
  - IOF President

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WCO-IOF-ESCEO

Florence 2017

WORLD CONGRESS ON
OSTEOPOROSIS,
OSTEOARTHRITIS AND
MUSCULOSKELETAL DISEASES

March 23rd - 26th, 2017

Fortezza da Basso
Florence, Italy
THURSDAY APRIL 14 - Teatro Cervantes
Calle Ramos Marín, S/N | 29012 Málaga

17.30 - 19.45
Teatro Cervantes
WCO-IOF-ESCEO - OPENING CEREMONY
Chairpersons: John A. Kanis, Jean-Yves Reginster

17.30
Teatro Cervantes
Best clinical papers published in 2015
René Rizzoli

18.30
Teatro Cervantes
Opening of the meeting
Cyrus Cooper

18.35
Teatro Cervantes
Regulatory perspectives of the development of drugs to be used in the management of frailty and sarcopenia
Francesca Cerreta (European Medicines Agency – London)

18.50
Teatro Cervantes
Rethinking healthy ageing and the concept of functioning
Islene Araujo de Carvalho (World Health Organization – Geneva)

19.05
Teatro Cervantes
HONORARY LECTURE
Expression of human body in Picasso’s work
José Lebrero Stals (Artistic Director, Museo Picasso Malaga)

19.35
Teatro Cervantes
Presentation of the 2016 ESCEO Medal of Excellence
Jean-Yves Reginster

19.45
Teatro Cervantes
Presentation of the ESCEO-IOF Herbert Fleisch Medal
Jean-Yves Reginster

19.55 - 20.55
Teatro Cervantes
INDUSTRY-SPONSORED WELCOME COCKTAIL
08.00 - 09.00
NON-SPONSORED SYMPOSIA

Meeting Room 1
Preventing future fractures: implementing Fracture Liaison Services throughout the UK
Chairperson: Hilary Arden
- Model of support for FLS development - Hilary Arden
- Quality improvement - Jo Sayer
- Socioeconomic costs and benefits - Tim Jones

Meeting Room 2
Evaluation of Fracture Risk: beyond DXA and BTMs
Chairperson: Serge Ferrari
- Distal bone microstructure - Emmanuel Biver
- Circulating bone regulatory proteins (Sost, Rankl, postn, ...) - Roland D. Chapurlat
- Falls risk assessment - Andrea Trombetti

Meeting Room 3
Physical activity in treatment and prevention of osteoporosis
Chairperson: Mark Lissens
- Introduction - Mark Lissens
- Importance of physical activity in primary, secondary and tertiary prevention of osteoporosis - Olivier Bruyère
- Can exercise interventions designed to reduce falls improve bone quality - Tash Masud
- Specific anti-osteoporotic interventions in patients entering various types of rehabilitation programmes - Daniel Uebelhart

Meeting Room 4
Bioactive Collagen Peptides for the Maintenance and Improvement of Musculoskeletal Health
Chairperson: Stephen Scharla
- Welcome and introductory presentation - Stephen Scharla
- Osteoarthritis / Osteoporosis - Steffen Oesser
- Sarcopenia - Daniel König

Meeting Room 5
Inflammatory arthritis and bone health
Chairperson: Elaine M. Dennison
- Welcome & Introduction - Elaine M. Dennison
- Gout and bone health - Bo Abrahamsen
- HIV arthritis and bone health - Karen Walker-Bone
- Novel ways of assessing the relationship between inflammatory arthritis and bone - Mark H. Edwards
- Discussion - Elaine M. Dennison

09.00 - 12.10
AUDITORIUM 1

SCIENTIFIC SESSION I
Chairpersons: John A. Kanis, Jean-Yves Reginster

09.00
Auditorium 1
Plenary Lecture 1
- The Qualities of Bone and Fracture Risk - Ego Seeman

09.30
Auditorium 1
Oral communications selected from abstracts

09.40
Auditorium 1
OC1
EFFECTS OF ABALOPARATIDE ON VERTEBRAL, NONVERTEBRAL, MAJOR OSTEOPOROTIC AND CLINICAL FRACTURE INCIDENCE IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS: RESULTS OF THE PHASE 3 ACTIVE TRIAL
Presenting author: L. A. Fitzpatrick

09.50
Auditorium 1
OC2
EIGHTEEN MONTHS OF TREATMENT WITH ABALOPARATIDE FOLLOWED BY SIX MONTHS OF TREATMENT WITH ALENDRONATE IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS: RESULTS OF THE ACTIVEXTEND TRIAL
Presenting author: S. Ferrari

09.50
Auditorium 1
OC3
SUPERIOR GAINS IN BONE MINERAL DENSITY AND ESTIMATED STRENGTH AT THE HIP FOR ROMOSOZUMAB COMPARED WITH TERIPARATIDE IN WOMEN WITH POSTMENOPAUSAL OSTEOPOROSIS TRANSITIONING FROM BISPHOSPHONATE THERAPY: RESULTS OF THE PHASE 3 OPEN-LABEL STRUCTURE STUDY
Presenting author: J. Malouf
10.00 Auditorium 1
OC4
A RANDOMIZED DOUBLE-BLIND STUDY OF DENOSUMAB (DMAB) COMPARED WITH ZOLEDRONIC ACID (ZOL) IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS PREVIOUSLY TREATED WITH ORAL BISPHOSPHONATES
Presenting author: P. Miller

10.10 Auditorium 1
OC5
THE PHASE 3 COMPARISON OF RALOXIFENE AND LASOFOXIFENE (CORAL) TRIAL: CHANGES IN BONE MARKERS AND BONE MINERAL DENSITY
Presenting author: M. R. McClung
Authors: J. Symons, D. Portman

10.20 Auditorium 1
OC6
A RANDOMIZED CONTROLLED TRIAL OF SCREENING IN THE COMMUNITY TO REDUCE FRACTURES IN OLDER WOMEN IN THE UK (THE SCOOP STUDY)
Presenting author: L. Shepstone

10.30 Auditorium 1
Plenary Lecture 2
- Offset of fracture risk after treatment cessation, a base for transient treatment interruption -
Eugene McCloskey

11.00 Auditorium 1
Presentation of the ESCEO-MSD Fellowships
Cyrus Cooper, Anne De Papp

11.10 Auditorium 1
Oral communications selected from abstracts

11.10 Auditorium 1
OC7
EFFECT OF ODANACATIB ON BONE DENSITY AND ESTIMATED BONE STRENGTH IN POSTMENOPAUSAL WOMEN: A CT-BASED SUBSTUDY OF THE PHASE 3 LONG-TERM ODANACATIB FRACTURE TRIAL (LOFT)
Presenting author: K. Engelke
Authors: B. L. Langdahl, T. DeVilliers, T. M. Keaveny, H. K. Genant, S. Ather, H. Giezek, A. Lombardi, A. Leung, A. De Papp

11.20 Auditorium 1
OC8
PREVENTING BONE LOSS UPON STOPPING DENOSUMAB THERAPY: FINDINGS FROM TWO CLINICAL STUDIES
Presenting author: M. R. McClung
Authors: P. Miller, D. L. Kendler, N. Pannacciulli, A. Wang, R. B. Wagman, S. Ferrari

11.30 Auditorium 1
OC9
PRIOR EXPOSURE TO BISPHOSPHONATES PREVENTS THE REBOUND OF BONE TURNOVER MARKERS AFTER DENOSUMAB THERAPY
Presenting author: Uebelhart
Authors: R. Rizzoli, S. Ferrari

11.40 Auditorium 1
OC10
EFFECT OF INVESTIGATIONAL TREATMENT ABALOPARATIDE FOR PREVENTION OF MAJOR OSTEOSORPTIC FRACTURE OR ANY FRACTURE IS NOT ALTERED BY BASELINE FRACTURE PROBABILITY
Presenting author: E. McCloskey

11.50 Auditorium 1
OC11
BONE’S MICROSTRUCTURE AND MATERIAL COMPOSITION ARE COMPROMISED IN WOMEN SUFFERING ATYPICAL FEMORAL FRACTURES DURING ANTIRESORPTIVE THERAPY
Presenting author: E. Seeman
Authors: R. Zebaze, A. Chiang, H. Nguyen, A. Ghasem-Zadeh, M.B. Zanchetta, J. R. Zanchetta, P. R. Ebeling

12.00 Auditorium 1
OC12
RISK FOR HIP FRACTURE TEN YEARS BEFORE AND AFTER TOTAL KNEE REPLACEMENT SURGERY IN THE ENTIRE SWEDISH POPULATION
Presenting author: C. H. Vala
Authors: J. Kärholm, S. Sten, M. Karlsson, V. Sundh, M. Lorentzon, Mellström

12.15 - 13.45 Auditorium 1
INDUSTRY-SPONSORED LUNCH SYMPOSIUM

12.15 - 13.45 Auditorium 2
INDUSTRY-SPONSORED LUNCH SYMPOSIUM
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<tr>
<td>14.00</td>
<td>Auditorium 2</td>
<td>EDUCATIONAL LECTURE: The ABC of writing a manuscript</td>
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<td>14.00</td>
<td>Poster Area</td>
<td>Poster Viewing Session I</td>
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**Oral presentation of selected posters**
Chairperson: Johanne Martel-Pelletier

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<th>Time</th>
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<tr>
<td>14.00</td>
<td>Podium</td>
<td>P915 ACCUMULATED QUALITY OF LIFE LOSS 36 MONTHS AFTER VERTEBRAL AND DISTAL FOREARM FRACTURE: RESULTS FROM ICUROS IN LITHUANIA</td>
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<td>14.07</td>
<td>Podium</td>
<td>P836 VERTEBRAL FRACTURE RISK: ALENDRONATE TREATMENT ENHANCES ANTERIOR MICROSTRUCTURE IN OSTEOPOROTIC VERTEBRAE</td>
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<td>14.14</td>
<td>Podium</td>
<td>P829 CATHEPSIN K KNOCKOUT IMPROVES BONE MASS AND SUPPRESSES LONG BONE FRACTURES IN THE OSTEOGENESIS IMPERFECTA MOUSE MODEL (OIM)</td>
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<td>14.21</td>
<td>Podium</td>
<td>P822 LOW-COST AND EFFICIENT FINITE ELEMENT ANALYSIS OF BONE FOR HIGH-RESOLUTION PERIPHERAL QUANTITATIVE COMPUTED TOMOGRAPHY DATA</td>
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<td>14.28</td>
<td>Podium</td>
<td>P690 IMPACT OF FRACTURE RISK ASSESSMENT TOOLS ON PROPORTIONS OF WOMEN WITHOUT PRIOR FRACTURE IDENTIFIED AT RISK AND TREATED – LESSONS FROM THE SIGN GUIDANCE</td>
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<td>14.35</td>
<td>Podium</td>
<td>P492 POST-FRACTURE CARE: DO WE NEED TO EDUCATE THE PATIENTS RATHER THAN THE DOCTORS? THE PREVOST RANDOMIZED CONTROL TRIAL</td>
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<td>14.42</td>
<td>Podium</td>
<td>P373 REBOUND-ASSOCIATED VERTEBRAL FRACTURES AFTER DENOSUMAB DISCONTINUATION: A SERIES OF 8 WOMEN WITH 35 SPONTANEOUS VERTEBRAL FRACTURES.</td>
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<td>14.56</td>
<td>Podium</td>
<td>P148 THE WNT-INACTIVATING LIPASE NOTUM AS A NOVEL ANABOLIC OSTEOPOROSIS DRUG TARGET</td>
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<td>15.03</td>
<td>Podium</td>
<td>P105 THE IMPACT OF VITAMIN D, CALCIUM, PROTEIN SUPPLEMENTATION, AND PHYSICAL EXERCISE ON BONE METABOLISM AFTER BARIATRIC SURGERY: THE BABS STUDY</td>
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**Impact of fracture risk assessment tools on proportions of women without prior fracture identified at risk and treated – lessons from the sign guidance**
Presenting author: E. McCloskey
Authors: J. E. Compston, C. Cooper, N. C. Harvey, H. Johansson, A. Odén, J. A. Kanis
14.00 - 15.00 MEET-THE-EXPERT SESSIONS

Meeting Room 1
General management of osteoarthritis patients
Burkhard Leeb

Meeting Room 2
Cancer bone disease
Socrates Papapoulos

Meeting Room 3
Management of glucocorticoid-induced osteoporosis
Karel Pavelka

Meeting Room 4
Effective control of inflammatory arthritis
Tore Kvien

Meeting Room 5
Hand osteoarthritis: imaging and management
Emmanuel Maheu

14.00 - 15.00 ESCEO SYMPOSIA

Conference Room 2.1
Critical analysis of currently available orthopaedic procedures to increase bone mass, structure and strength through intra-osseous interventions
Chairpersons: Andreas Kurth, Dominique Pioletti
- Welcome and scope of the problem - Serge Ferrari
- Current and new tools to assess hip bone strength - Philippe K. Zysset
- Challenges and opportunities for drug therapies in preventing hip fractures - Serge Ferrari
- Currently available orthopaedic procedures for bone enhancement - Andreas Kurth
- Discussion - Leader: Maria Luisa Brandi
- Wrap-up - Serge Ferrari
- Adjournment of the meeting - John A. Kanis
Panel: Maria Luisa Brandi, Serge Ferrari, John A. Kanis, Andreas Kurth, Andrea Laslop, Socrates Papapoulos, Dominique Pioletti, Jean-Yves Reginster, René Rizzoli, Philippe K. Zysset

15.00 - 17.00 SCIENTIFIC SESSION II

Auditorium 1
Plenary Lecture 3
Successful musculoskeletal ageing
Jonathan D. Adachi

15.30
Presentation of the IOF President’s Awards
John A. Kanis

15.40
Oral communications selected from abstracts

OC13
CORTICAL POROSITY IDENTIFIES WOMEN WITHOUT OSTEOPOROSIS SUFFERING FRAGILITY FRACTURES: THE PROSPECTIVE OFELY STUDY
Presenting author: S. Boutroy
Authors: R. Zebaze, E. Sornay-Rendu, E. Seeman, R. D. Chapurlat
15.50  
**Auditorium 1**  
**OC14**  
"BONE MATERIAL STRENGTH INDEX IN PATIENTS WITH LOW BONE MASS AND FRAGILITY FRACTURES"  
Presenting author: F. Malgo  
Authors: S. Papapoulos, N. A. T. Hamdy, N. M. Appelman-Dijkstra  

16.00  
**Auditorium 1**  
**OC15**  
"RISK AND PREDICTORS OF SUBSEQUENT FRACTURES AFTER AN ATYPICAL FEMORAL FRACTURE"  
Presenting author: E. Biver  
Authors: M.-C. Audet, R. Peter, R. Meier, Uebelhart, T. Chevalley, K. I. Lorenzini, R. Rizzoli, S. Ferrari  

16.10  
**Auditorium 1**  
**OC16**  
"LONGITUDINAL CHANGES IN BONE STRUCTURE AS ASSESSED BY PERIPHERAL QUANTITATIVE COMPUTED TOMOGRAPHY AND RELATIONSHIPS WITH MUSCLE HEALTH IN OLDER MEN AND WOMEN"  
Presenting author: M. H. Edwards  
Authors: K. A. Ward, K. Jameson, E. M. Dennison, C. Cooper  

16.20  
**Auditorium 1**  
**OC17**  
"RELATIONSHIP BETWEEN TOTAL HIP BMD T-SCORE AND INCIDENCE OF NONVERTEBRAL FRACTURE WITH UP TO 10 YEARS OF DENOSUMAB (DMAB) TREATMENT"  
Presenting author: S. Ferrari  

16.30  
**Plenary Lecture 4**  
"Clinical guidelines for the management of osteoarthritis" - Cyrus Cooper  

17.00 - 18.30  
**Auditorium 2**  
**INDUSTRY-SPONSORED SATELLITE SYMPOSIUM**  

17.00 - 18.30  
**Auditorium 1**  
**INDUSTRY-SPONSORED SATELLITE SYMPOSIUM**
08.00 - 09.00
NON-SPONSORED SYMPOSIA
Meeting Room 1
Cancer treatment induced bone loss (CTIBL) in women with breast cancer
Chairpersons: Peyman Hadjji, René Rizzoli
- Risk factors for fractures in women with breast cancer - Jean-Jacques Body
- Current treatment guidelines and intervention options - Peyman Hadjji
- Additive effects of antiresorptive treatments beyond osteoporosis - Robert E. Coleman

Meeting Room 2
The clinical value of bone turnover marker assays: latest developments from the IFCC-IOF working group and NBHA
Chairperson: Taylor C. Wallace
- Welcome - Taylor C. Wallace
- Pathophysiology and variability of bone turnover markers - Howard Morris
- Standard reference markers - clinical role and research goals for harmonization and standardization - Stuart Silverman
- IOF and IFCC harmonization of bone turnover markers - Howard Morris
- NBHA bone turnover marker standardization project - Stuart Silverman
- Question and answer session - Taylor C. Wallace
- Conclusion - Taylor C. Wallace

Meeting Room 3
DXA Pitfalls and Tips: FRAX and TBS Integration into acquisition and analysis routine
Chairperson: Bruno Muzzi Camargos
- Dual X-Ray absorptiometry basic principles - Ben-Hur Albergaria
- FRAX - Cristiano A. F. Zerbini
- TBS - Bruno Muzzi Camargos

Meeting Room 4
Frailty, Falls and Fractures: identification and treatment of the dysmobility syndrome in older persons
Chairperson: Neil Binkley
- Muscle and bone interactions: the biology of osteosarcopenia and dysmobility - Gustavo Duque
- Potential clinical approaches to the diagnosis of osteosarcopenia/dysmobility - Neil Binkley
- Therapeutic interventions for osteosarcopenia: current evidence and future directions - Cristina Alonso Bouzon

Meeting Room 5
FRAX International experience with an international tool
Chairperson: John A. Kanis
- Introduction - FRAX in the world today - John A. Kanis
- Frax in USA - How FRAX influenced the way clinicians treat osteoporosis - Michael R. McClung
- Frax in Latin America - An evaluation of FRAX in Latin America - Should we make calibration for different races? - Patricia Clark
- FRAX in Europe - Development and the next steps - Eugene McCloskey

09.00 - 12.10
Auditorium 1
SCIENTIFIC SESSION III
Chairpersons: Olivier Bruyère, Eugene McCloskey

09.00
Auditorium 1
Plenary Lecture 5
- Vitamin D, immune response and infection - Peter R. Ebeling

09.30
Auditorium 1
Presentation of the IOF Medal of Achievement - Cyrus Cooper

09.40
Auditorium 1
Oral communications selected from abstracts

09.40
Auditorium 1
OC18
VITAMIN D MEASUREMENT STANDARDIZATION: THE WAY OUT OF THE CHAOS
Presenting author: N. Binkley

09.50
Auditorium 1
OC19
DETERMINANTS OF THE MATERNAL RESPONSE TO VITAMIN D SUPPLEMENTATION DURING PREGNANCY: THE MAVIDOS TRIAL
Presenting author: N. C. Harvey
10.00 Auditorium 1
OC20
EFFICACY OF ODANACATIB IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS: SUBGROUP ANALYSES OF DATA FROM THE PHASE 3 LONG-TERM ODANACATIB FRACTURE TRIAL (LOFT)
Presenting author: K. G. Saag

10.10 Auditorium 1
OC21
DYSMOBILITY SYNDROME AND MORTALITY RISK IN OLDER CHILEAN PEOPLE
Presenting author: C. Albala
Authors: L. Lera, B. Angel, H. Sanchez, C. Marquez, P. Arroyo

10.20 Auditorium 1
OC22
EFFECT OF TREATMENT ON BACK PAIN AND BACK EXTENSOR STRENGTH WITH A SPINAL ORTHOSIS IN ELDERLY WOMEN WITH OSTEOPOROSIS: A RANDOMIZED CONTROLLED TRIAL
Presenting author: K. Kaijser Alin
Authors: A.‑L. Grahn Kronhed, E. Uzunel, H. Alinaghizadeh, H. Salminen

10.30 Auditorium 1
OC23
BASELINE AND PERSISTENT KNEE SYMPTOMS ARE INDEPENDENT PREDICTORS OF STRUCTURAL PROGRESSION OF KNEE OSTEOARTHRITIS
Presenting author: J. Martel‑Pelletier
Authors: A. J. Teichtahl, F. Cicuttini, Y. Wang, F. Abram, J.‑P. Pelletier

10.40 Auditorium 1
Plenary Lecture 6
- Diabetoporosis and fat tissues - Serge Ferrari

11.00 Auditorium 1
OC24
THE FUTURE PREVALENCE OF SARCOPENIA IN EUROPE
Presenting author: O. Ethgen
Authors: C. Tchokonte, C. Beaudart, F. Buckinx, J.‑Y. Reginster, O. Bruyère

11.10 Auditorium 1
OC25
SARCOPENIA DEFINITION PARAMETERS AND INCIDENT DISABILITY
Presenting author: L. A. Schaap
Authors: E. M. Simonsick, A. B. Newman, A. V. Schwartz, P. Caserotti, S. B. Kritchevsky, B. H. Goodpaster, T. B. Harris, M. Visser

11.20 Auditorium 1
OC26
ASSESSMENT OF MUSCLE/LEAN MASS MEASUREMENT: COMPARISON OF METHODS FOR SARCOPENIA DETERMINATION
Presenting author: N. Binkley

11.30 Auditorium 1
OC27
AMONG ADULTS AGED 50-64 YEARS, FRAILTY AND SARCOPENIA ARE IMPORTANTLY ASSOCIATED WITH PREMATURE WORKLESSNESS
Presenting author: C. Cooper, C. Linaker, E. C. Harris

11.50 Auditorium 1
OC28
PREVALENCE OF SARCOPENIA IN A POPULATION OF NURSING HOME RESIDENTS ACCORDING TO THEIR FRAILTY STATUS: RESULTS OF THE SENIOR COHORT
Presenting author: F. Buckinx
Authors: J.‑Y. Reginster, C. Beaudart, J. L. Croisier, J. Petermans, O. Bruyère

12.00 Auditorium 1
OC29
EVALUATION OF THE INTRA-INDIVIDUAL VARIABILITY OF MYOSTATIN AND ACTIVIN A, TWO BIOMARKERS OF SARCOPENIA: IMPACT ON THE LEAST SIGNIFICANT CHANGE AND FOLLOW-UP OF THE PATIENTS
Presenting author: E. Cavalier
Authors: C. Piron, F. Watar, S. Kovacs, C. Beaudart, F. Buckinx, O. Bruyère, C. Le Goff, J.‑Y. Reginster
12.15 - 13.45
Auditorium 1
INDUSTRY-SPONSORED LUNCH SYMPOSIUM

12.15 - 13.45
Auditorium 2
INDUSTRY-SPONSORED LUNCH SYMPOSIUM

14.00 - 15.00
Poster Area
Poster Viewing Session II

14.00 - 15.10
Podium
Oral presentation of selected posters
Chairperson: Johanne Martel-Pelletier

14.00 Podium
P899
SUN EXPOSURE, SKIN COLOR AND VITAMIN D STATUS IN ARAB CHILDREN AND ADULTS
Presenting author: Y. Al-Saleh
Authors: N. Al-Daghri, N. Khan, S. Sabico, N. Aljohani, H. Alfawaz, M. Alsalimani, A. Al-Othman, M. alokail

14.07 Podium
P311
CALCIUM AND VITAMIN D SUPPLEMENTATION ARE NOT ASSOCIATED WITH INCREASED RISK OF ISCHAEMIC CARDIAC EVENTS: RESULTS FROM UK BIOBANK
Presenting author: N. C. Harvey
Authors: S. D’angelo, J. Paccou, M. H. Edwards, S. E. Petersen, C. Cooper

14.14 Podium
P653
NEW CARTILAGE QUALITY EVALUATION USING CYCLIC NANO INDENTATION: CASE STUDY WITH A TOOL DMOAD COMPOUND ACTIVE IN THE RAT MNX MODEL
Presenting author: C. Lavet

14.21 Podium
P561
REFERENCE POINT MICROINDENTATION FOR SUPPLEMENTING FRACTURE RISK ASSESSMENT AT THE FEMORAL NECK
Presenting author: P. J. Thurner
Authors: T. Jenkins, L. V. Coutts, S. D’angelo, D. G. Dunlop, R. O. C. Oreffo, C. Cooper, N. C. Harvey

14.28 Podium
P438
PRIMARY CULTURES OF HUMAN SKELETAL MUSCLE SATTELITE CELLS: A NOVEL MODEL TO ASSESS SKELETAL MUSCLE CELL DIFFERENTIATION
Presenting author: L. Cianferotti
14.00 - 15.00
ESCEO SYMPOSIA
Conference Room 2.1

Biological and imaging (MRI, DXA,...) markers in the assessment and management of sarcopenia in daily practice
Chairpersons: Yves Rolland, Roger Fielding
- Welcome and Introduction - Roger Fielding
- Evaluation of the sarcopenic patients: The role of primary versus secondary care physicians - Antonio Cherubini
- Role of markers in the assessment and management of sarcopenia in daily practice: presentation of the ESCEO Experts Consensus - Matteo Cesari
- Discussion - Leader: Francesco Landi

Conference Room 2.2

Diacerein in the management of osteoarthritis: facts or fantasy
Chairpersons: Jordi Monfort, Karel Pavelka
- Welcome - Jordi Monfort
- Preclinical evidence supporting the mode of action of diacerein in osteoarthritis - Johanne Martel-Pelletier
- Efficacy of diacerein in the management of osteoarthritis - Burkhard Leeb
- Safety and risk/benefit ratio of diacerein in the management of osteoarthritis - Jean-Pierre Pelletier
- Discussion - Leader: Emmanuel Maheu
- Conclusions - Karel Pavelka
Panel: Olivier Bruyere, Cyrus Cooper, John A. Kanis, Burkhard Leeb, Johanne Martel-Pelletier, Jordi Monfort, Karel Pavelka, Jean-Pierre Pelletier, Jean-Yves Reginster, René Rizzoli

Meeting Room 1
Can we have targets in osteoporosis treatment?
Serge Ferrari

Meeting Room 2
Bone strength assessment for the non-initiated
Philippe K. Zysset

Meeting Room 3
Is Sclerostin an appropriate target for the treatment of osteoporosis?
Michael R. McClung

Meeting Room 4
Post-fracture care
Andreas Kurth

Meeting Room 5
Secondary osteoporosis
Jaime Branco

Meeting Room 6
Rare bone diseases
Maria Luisa Brandi

15.00 - 17.00
Auditorium 1

SCIENTIFIC SESSION IV
Chairpersons: Cyrus Cooper, Jean-Marc Kaufman
15.00
Auditorium 1

Plenary Lecture 7
- Diet, microbiome and bone - René Rizzoli

15.30
Auditorium 1
Presentation of the ESCEO-AgNovos Healthcare Young Investigator Awards
Maria Luisa Brandi, James Howe

15.40
Auditorium 1

Oral communications selected from abstracts
15.40
Auditorium 1

OC30
DISTAL RADIUS CORTICAL MICROSTRUCTURE AND CALCULATED STRENGTH PREDICT INCIDENT FRACTURES INDEPENDENTLY OF FRAX IN POSTMENOPAUSAL WOMEN
Presenting author: E. Biver
Authors: C. Durosier, T. Chevalley, B. van Rietbergen, R. Rizzoli, S. Ferrari
SWEDISH FARMERS HAVE LOWER RISK FOR HIP FRACTURE THAN EXPECTED FROM ECONOMIC STATUS, EDUCATION AND LOCATION

Presenting author: H. Johansson
Authors: C. H. Vala, A. Odén, M. Lorentzon, E. McCloskey, J. A. Kanis, S. Lohmander, J. Kärrholm, Mellström

WITHIN AND ACROSS-SEX INHERITANCE OF BONE MICROARCHITECTURE

Presenting author: J. Pepe
Authors: E. Biver, N. Bonnet, T. Chevalley, R. Rizzoli, S. Ferrari

IMMINENT FRACTURE RISK IN ELDERLY OSTEOPOROTIC WOMEN: UNDERLYING RELATIONSHIPS BETWEEN RISK FACTORS AND OUTCOME

Presenting author: D. Weycker
Authors: A. Kartashov, J. Edelsberg, J. Lani, A. Grauer, D. B. Crittenden, R. Barron

FEMORAL NECK BMD IS STILL THE PREFERRED SITE IN THE ASSESSMENT OF HIP FRACTURE IN ELDERLY MEN (10-YEAR FOLLOW-UP OF MROS SWEDEN)

Presenting author: H. Johansson

- Defining sarcopenia - Bess Dawson-Hughes

COMMITTEE OF NATIONAL SOCIETIES SPECIAL PLENARY SESSION

Advances in Bone, Muscle and Joint Health

HYPOVITAMINOSIS D IN A YEAR-ROUND SUNNY AREA: OUTDOORS AND INDOORS LIFESTYLE PERSPECTIVES

Presenting author: H. M. Al Attia

CAMURATI-ENGELMANN DISEASE WITH SPINAL CORD COMPRESSION: CASE REPORT AND ASSESSMENT OF BONE MICROARCHITECTURE BY HR-PQCT

Presenting author: C. R. Una
Authors: M. B. Zanchetta, J. J. Rivero, F. O. Rodriguez, J. R. Zanchetta, O. D. Messina

REFRACTURE RATE IN FLS IN RIO DE JANEIRO

Presenting author: B. Stolnicki
Authors: R. Galdino, R. Melo, A. Libman, H. Maleh

EFFECT OF MINODRONATE IN PATIENTS WITH LOW BONE MINERAL DENSITY GAIN WHILE USING OTHER BISPHOSPHONATES

Presenting author: H. H. Hagino
Authors: K. Kita, J. Takada, N. Yamagata, M. Ishii

PRE-SARCOPENIA, SARCOPENIA, CACHEXIA AND OSTEOPOOROSIS IN PATIENTS WITH ANKYLOSING SPONDYLITIS

Presenting author: A. El Maghraoui
Authors: F. E. Bertin, S. Sadni, A. Majjad, T. Hamza, A. Mounach

AXIAL BMD IN SOUTH EAST ASIAN PATIENTS WITH TYPE 2 DM: HOW DO RACE AND BMI MATTER?

Presenting author: M. Chandran
Authors: Y. Hao, M. Tan, D. Tay

THE ASSOCIATIONS BETWEEN FEAR OF FALLING, FUNCTIONAL ABILITY AND MUSCLE MASS IN THE ELDERLY

Presenting author: A. Mastaviciute
Authors: A. Versalovic, I. Tamulaityle-Morozoviene, M. Tamulaitiene, V. Alekna
15.59
Conference Room 2.2
Ocs8
GENDER DIFFERENCES IN PATIENT INVOLVEMENT IN OSTEOPOROSIS CARE
Presenting author: A. I. Gasparik
Authors: D. M. Farcas, M. L. Cevei

16.07
Conference Room 2.2
Ocs9
ASSOCIATION BETWEEN LEAN MASS AND DIETARY PROTEIN INTAKE IN POSTMENOPAUSAL WOMEN
Presenting author: V. V. Povoroznyuk
Authors: N. I. Dzerovych, R. V. Povoroznyuk

16.15
Conference Room 2.2
Ocs10
CHANGES IN QUALITY OF LIFE AFTER FRAGILITY HIP FRACTURES, THAILAND
Presenting author: T. Sangkomamhang
Author: U. Sangkomamhang

16.23
Conference Room 2.2
Ocs11
THE PREVALENCE OF UNEXPLAINED HBM AMONGST A DXA POPULATION IN AN OSTEOPOROSIS REFERENCE CENTRE FROM ROMANIA
Presenting author: D. Grigorie
Author: A. Sucaliuc

16.31
Conference Room 2.2
Ocs12
THE INFLUENCE OF OSTEOPOROSIS ON WELL-BEING IN MEN
Presenting author: D. M. Farcas
Authors: L. Sachelarie, A. I. Gasparik

16.40
Conference Room 2.2
Presentation of the IOF Committee of National Societies Medal
Jean-Yves Reginster

17.00 - 18.30
INDUSTRY-SPONSORED SATELLITE SYMPOSIUM

17.00 - 18.30
ESCEO-IOF-EUGMS-ESPEN SYMPOSIUM - by invitation only
Cohort working group

18.30 - 19.30
Cocktail offered by IOF and ESCEO to all recipients of prizes, awards, fellowships and scholarships - by invitation only
Meeting Room 1

**Muscular training for patients with vertebral fractures**
- Chairperson: Dan Mellström
- Vertebral fractures in an orthopaedic perspective - Paul Gerdhem
- Sarcopenia and osteoporosis – the hazardous duo - Tommy Cederholm
- Vertebral fractures in an osteoporotic perspective, symptoms and what to do - Ingrid Bergström
- Training program presentation - Anna Dahlgren

Meeting Room 2

**Risk of osteoporosis in inflammatory rheumatic diseases**
- Chairpersons: Mislav Radić, Jasminka Milas Ahić, Dušanka Martinović Kaliterna
- Pathophysiology of osteoporosis in inflammatory rheumatic diseases - Jasminka Milas Ahić
- Risk of osteoporosis in inflammatory rheumatic diseases - Mislav Cerovec
- Osteoarthritis - current knowledge and perspective - Mislav Radić

Meeting Room 3

**Optimizing treatment outcomes in osteoporosis: patients’ preferences and involvement in clinical decision making**
- Chairperson: Mickaël Hiligsmann
- Introduction to medication adherence, preference and shared-decision making - Mickaël Hiligsmann
- Patients’ preferences for osteoporosis drug treatment (review) - Sandrine Bours
- From groups to individuals: from preference studies to shared decision making in the clinical setting - Annelies Boonen
- General discussion

Meeting Room 4

**IOF-FFN: After the fracture - what does the patient need?**
- Chairpersons: Karsten Dreinhöfer, Kassim Javaid
- Acute perioperative management - Paolo Falaschi
- Fracture surgery - Kristina Åkesson
- Post-acute care – rehabilitation - Karsten Dreinhöfer
- Capture the Fracture - Cyrus Cooper

Meeting Room 5

**Clinical conundrums in osteoporosis management**
- Chairpersons: Karen Walker-Bone, Elaine M. Dennison
- Assessment of fracture risk in practice
- Case presentation - Karen Walker-Bone
- Discussion - Elaine Dennison, Cyrus Cooper
- Fracture despite bisphosphonates
- Case presentation - Karen Walker-Bone
- Discussion - Elaine M. Dennison
- Atypical fracture
- Case presentation - Karen Walker-Bone
- Discussion - Elaine M. Dennison

Meeting Room 6

**Body composition reference values among Latin America population. Argentina, Brazil and Mexico Results.**
- Chairperson: Osvaldo D. Messina
- Sarcopenia: pathophysiology, assessment and diagnosis - Osvaldo D. Messina
- Postmenopausal women with sarcopenia have higher prevalence of osteoporotic fractures - Maria Belen Zanchetta
- Prevalence of sarcopenia and associated risk factors by two diagnostic criteria in community-dwelling older women: the São Paulo Ageing & Health Study (SPAH) - Rosa Maria Pereira
- Total and appendicular lean body mass reference values by dual-energy X-ray absorptiometry among healthy Mexican population - Patricia Clark
- Q&A
- Presentation of “Sergio Ragi” Award
- Presentation of Awarded Abstract
09.00 - 10.00
MEET-THE-EXPERT SESSIONS
Meeting Room 1
How to improve muscle function in the elderly: fact and fantasy
Ivan Bautmans
Meeting Room 2
Intra-articular therapies
François Rannou
Meeting Room 3
Which osteoporotic patients should be treated in Latin America
Patricia Clark
Meeting Room 4
Structure modifying treatments of OA
Jean-Pierre Pelletier
10.00 - 12.20
Auditorium 2
SCIENTIFIC SESSION V
Chairpersons: Bess Dawson-Hughes, Nicholas Harvey
10.00
Auditorium 2
Plenary Lecture 9
- Novel targets and therapies in osteoporosis -
Socrates Papapoulos
10.30
Auditorium 2
Presentation of the IOF Olof Johnell Science Award
Bess Dawson-Hughes
10.40
Auditorium 2
Presentation of the 2016 IOF-ESCEO Pierre Meunier Young Scientist Awards
René Rizzoli
10.50
Auditorium 2
Oral communications selected from abstracts
11.10
Auditorium 2
OC37
A SIMULATION MODEL FOR THE TREATMENT PATHWAY OF OSTEOPOROSIS
Presenting author: F. Borgström
Authors: G. Olafsson, E. Jonsson, O. Ström, O. Ljunggren, K. Åkesson, A. Spangeus, J. A. Kanis
11.20
Auditorium 2
OC38
ANTI-OSTEOPOROSIS MEDICATION PRESCRIPTIONS AND INCIDENCE OF SECONDARY FRACTURE AMONGST PRIMARY HIP FRACTURE PATIENTS IN ENGLAND AND WALES: AN INTERRUPTED TIME SERIES AND ECONOMIC ANALYSIS
Presenting author: S. Hawley
11.50
Auditorium 2
Plenary Lecture 10
- The paradox of target to treat versus treat to target -
John A. Kanis
12.30
End of the Congress
THURSDAY, APRIL 14
19.55 - 20.55
Teatro Cervantes
MEDA AB WELCOME COCKTAIL

FRIDAY, APRIL 15
12.15 - 13.45
Auditorium 1
MEDA AB LUNCH SYMPOSIUM
Unsolved questions in the management of osteoarthritis
Chairpersons: Cyrus Cooper, Jean-Yves Reginster
- Introduction - Jean-Yves Reginster
- Glucosamine sulfate: from pharmacokinetics to clinical effectiveness - the need for distinctions - Olivier Bruyère
- A critical review of the evidence on the use of glucosamine in osteoarthritis: a novel aspect of evidence-based research - Robin Christensen
- “Closing the circle”: publication of the real-life evidence - Lucio C. Rovati
- Conclusions and discussion

12.15 - 13.45
Auditorium 2
ELI LILLY LUNCH SYMPOSIUM
Novel Bone Quality Assessment Measures for Advancing the Management of Osteoporosis
- Welcome and Introduction
- Assessment of Bone Tissue Properties Using Micro-indentation: State-of-the-art
- Teriparatide Effects on Human Bone Tissue: Recent Results From the SHOTZ and AVA Active Comparator Trials
- Q&A and Closing Remarks

17.00 - 18.30
Auditorium 1
AMGEN SATELLITE SYMPOSIUM
Long-term benefits of osteoporosis therapy – evaluating the evidence
Chairperson: Adolfo Diez-Perez
- Welcome and introduction - Adolfo Diez-Perez
- Long-term treatment of osteoporosis: insights from clinical trials - Socrates Papapoulos
- A decade of BMD gains: what are the clinical benefits? - Serge Ferrari
- Navigating the treatment pathway: real-life experience - Cyrus Cooper
- Panel discussion

SATURDAY, APRIL 16
12.15 - 13.45
Auditorium 1
MSD LUNCH SYMPOSIUM
Evolving Treatment Strategies for Osteoporosis: Signalling a Change in the Conversation
Chairperson: Esteban Jodar
- Welcome and opening remarks - Esteban Jodar
- The role of cathepsin K in bone homeostasis - Socrates Papapoulos
- High resolution bone imaging and what it tells us about predicted bone strength - Angela M. Cheung
- Clinical benefits of osteoporosis therapy - Kenneth G. Saag
- Panel discussion/Q&A

17.00 - 18.30
Available Satellite Symposium

17.00 - 18.30
AVAILABLE SATELLITE SYMPOSIUM