

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

WORLD CONGRESS ON OSTEOPOROSIS,
OSTEOARTHRITIS AND MUSCULOSKELETAL DISEASES



2018 KRAKÓW



April 19-22

ICE KRAKÓW CONGRESS CENTRE

2018 | POLAND



www.wco-iof-esceo.org | #OsteoCongress

Congress Organizer: Sinklar Congress Management B.V. | Congress Secretariat: www.humacom.com

CONGRESS PROGRAMME

CONGRESS INFORMATION

EVENT

April 19-22, 2018

WORLD CONGRESS ON OSTEOPOROSIS,
OSTEOARTHRITIS AND MUSCULOSKELETAL
DISEASES

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

VENUE

ICE Kraków Congress Centre

ul. Marii Konopnickiej 17,
Kraków 30-302, Poland

ORGANIZER

Sinklar Conference Management

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CONGRESS WEBSITE

www.wco-iof-esceo.org

ABSTRACTS

SUBMISSION PERIOD FOR ABSTRACTS

October 1, 2017 to January 29, 2018

NOTIFICATION TO THE CONTRIBUTORS

February 14, 2018

ACCREDITATIONS

EUROPEAN

The WCO-IOF-ESCEO 2018 Krakow Congress has been granted 16 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 Krakow 2018 Congress was granted: 2 Belgian CME credits (INAMI/RIZIV) under the numbers 17025723 (CP 1), 17025726 (CP 1), in category 6 "Ethics & Economy" and 12 Belgian CME credits under the number 18001161 in category 4 "International meeting".

CONFERENCE VETTING SYSTEM (MEDTECH EUROPE)

Accredited



REGISTRATION

	Early Registration < Dec 4, 2017	Pre-registration < Dec 5, 2017 - Mar 5, 2018 >	From March 6 and On Site
IOF CSA and ESCEO SAB member (no abstract submitted) ¹	735 €	795 €	995 €
Non-Member	795 €	895 €	995 €
Student ²	250 €	270 €	300 €
Reduced fee for the doctors only of the selected countries ³	200 €	200 €	200 €
CNS Free registration ¹	Free	Free	Free
ASBMR guest - Free registration ⁴	Free	Free	Free
IOF CSA and ESCEO SAB free (abstract submitted) ⁵	Free	Free	Free
Press representative ⁶	Free	Free	Free

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

Before September 30, 2017: 50% reimbursement

No refunds will be given for cancellations/modifications received after September 30, 2017

¹ Those persons for which one of the following two definitions below are applicable:

| Member – A member of either the IOF or ESCEO Board, or ESCEO Scientific Advisory Board (SAB), or IOF Committees of Scientific Advisors (CSA), or the IOF representative of the Committee of Corporate Advisors (CCA), or a member of one of the IOF national or patient societies (CNS).

For a complete list of current CNS visit www.iofbonehealth.org/societies-country-index-view/all

| FREE or Pro2 IOF member – You have the opportunity to register as a FREE IOF member, or as a paid Pro2 member, on the IOF website at www.iofbonehealth.org/become-member

² 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.

³ List of countries with a reduced fee:

Albania	Estonia	Poland
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Czech Republic	Moldavia	

⁴ Only those who have received the corresponding acceptance from the Congress Organizer has the right to register with this type of fee. The ASBMR Guest free registration is only given to a certain number of person selected. Those selected guests already received a personal invitation.

⁵ To register as an "IOF CSA and ESCEO SAB Free (abstract submitted)", the participant must be a member of either the IOF CSA (Committees of Scientific Advisors) or the ESCEO SAB (ESCEO Scientific Advisory Board) and if he/she is a member of the IOF CSA or the ESCEO SAB, he/she must have submitted an abstract.

⁶ A copy of your Press card must be sent to Pacific World via e-mail.

SCIENTIFIC INFORMATION

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John A. KANIS
IOF Honorary President

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THURSDAY APRIL 19

17.30 - 19.25

WCO-IOF-ESCEO - OPENING CEREMONY

Chairpersons: Jean-Yves Reginster, John A. Kanis

17.30

Best clinical papers published in 2017

René Rizzoli

18.30

Opening of the meeting

► *Welcome* Cyrus Cooper (IOF President, ESCEO Vice-President)

► *Invitation to the stage of Professor Edward Czerwinski, Pawel Stanczyk (Secretary of the City, Representative of Jacek Majchrowski, Mayor of the City of Krakow) and Professor Tomasz Brzostek (Dean of the Faculty of Health Sciences Jagiellonian University, Medical College)* Cyrus Cooper (IOF President, ESCEO Vice-President)

18.45

WHO Clinical Consortium on Healthy Aging : Objectives and achievements

Islene Araujo de Carvalho (World Health Organization – Geneva)

18.55

Regional discrepancies in calcium intake: the IOF global calcium map

Bess Dawson-Hughes

19.05

Presentation of the 2018 ESCEO Medal of Excellence

John A. Kanis

19.10

Presentation of the ESCEO-IOF Herbert Fleisch Medal

John A. Kanis

19.15

Presentation of the IOF Medal of Achievement

Cyrus Cooper

19.20

Presentation of the IOF Olof Johnell Science Award

Serge Ferrari

19.25 - 20.25

INDUSTRY-SPONSORED WELCOME COCKTAIL

FRIDAY APRIL 20 - ICE Congress Centre

08.00

Opening of the commercial exhibition

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Meeting Room 5

Global Map of Dietary Calcium Intake reveals large geographic regions of low intake – a call to action

Chairperson: Bess Dawson-Hughes

- *Introduction* Bess Dawson-Hughes
- *Calcium intake and its implications in India* Ambrish Mithal
- *Calcium intake and its implications in China and the Pacific Rim* Wei-bo Xia
- *Discussion*

Meeting Room 3

Bone fragility in diabetes

Chairperson: Serge Ferrari

- *Pathophysiology of bone fragility in diabetes* Serge Ferrari
- *Fracture risk assessment in diabetes* Emmanuel Biver
- *Osteoporosis drug effects in diabetics* Nicola Napoli

Meeting Room 1

Breast Cancer and Bone Health– Joint session of the Cancer And Bone Society (CABS) and the IOF

Chairpersons: Jean-Jacques Body, Peyman Hadji

- *Adjuvant antiresorptive treatment in women with breast cancer - Cancer Treatment Induced Bone Loss (CTIBL) and much more* Peyman Hadji
- *Treatment of metastatic bone disease in women with breast cancer - New insights of an old story* Jean-Jacques Body

Meeting Room 4

Treating Osteosarcopenia by Targeting Muscle and Bone: Actuality and Perspectives

Chairperson: Gustavo Duque

- *Combined effects of vitamin D on muscle and bone: a review of evidence among senior adults age 65+* Heike A. Bischoff-Ferrari
- *Novel Exercise and Nutritional Approaches to Optimize Bone, Muscle and Mobility into Old Age* Robin Daly
- *Pharmacological Treatment of Osteosarcopenia: How to target bone and muscle at the same time?* Gustavo Duque

Meeting Room 2

Sarcopenia: Problem-solving a new lifestyle disease

Chairperson: Kerrie Sanders

- *Reducing the burden of sarcopenia: A healthy lifestyle throughout the lifetime* David Scott
- *Is the risk of sarcopenia socially patterned?* Sharon Brennan-Olsen
- *Sarcopenia: is the right food the key to prevention?* Sandra Iuliano-Burns
- *International dialogue and problem-solving*

08.00 - 09.00

ESCEO-WHO SYMPOSIA

Meeting Room 6

Principles for the engagement of patients in the preparation of clinical and regulatory guidelines : outcomes of an experts consensus meeting organized by the World Health Organization and the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases.

Chairpersons: Famida Jiwa, Peter Tugwell

- 08.00 ► *Welcome and scope of the problem* Peter Tugwell
 - 08.05 ► *A journey in patient partnership* John Kirwan
 - 08.15 ► *Principles for patients engagement in the preparation of clinical guidelines* Maarten de Wit
 - 08.30 ► *Principles for patients engagement in the preparation of regulatory guideline* Nathalie Bere
 - 08.45 ► *Discussion - Leaders* Philip Conaghan, Daniel Pinto
 - 09.00 ► *Conclusion* Famida Jiwa
- Panel: Isabelle Aujoulat, Nathalie Bere, Maria Luisa Brandi, Olivier Bruyère, Philip Conaghan, Cyrus Cooper, Maarten de Wit, Philippe Halbout, Mickaël Hilgsmann, Famida Jiwa, John A. Kanis, John Kirwan, Andrea Laslop, Daniel Pinto, Jean-Yves Reginster, René Rizzoli, Marieke Scholte, Peter Tugwell, Lia Van der Ham, Mila Vlaskovska

FRIDAY APRIL 20 - ICE Congress Centre

08.00 - 09.00

Meeting Room 7

Assessment of Physical Performance in daily clinical practice: Outcomes of an Experts' consensus meeting organized by the European Society for Clinical and Economic Aspects of Osteoporosis, Osteoarthritis and Musculoskeletal Diseases (ESCEO) under the auspices of the World Health Organization

Chairpersons: Islene Araujo de Carvalho, Roger Fielding

- 08.00 ► *Welcome* Cyrus Cooper
 - 08.05 ► *Scope of the problem* René Rizzoli
 - 08.10 ► *Principles for the standardization of the assessment of physical performance*
Alfonso Cruz Jentoft
 - 08.25 ► *Principles for the standardization of the assessment of muscle strength and power*
Laura Schaap
 - 08.40 ► *Discussion - Leader:* Ivan Bautmans
 - 08.55 ► *Conclusion* Stefania Maggi
- Panel: Islene Araujo de Carvalho, Jurgen Bauer, Ivan Bautmans, Roberto Bernabei, Olivier Bruyère, Cyrus Cooper, Alfonso Cruz Jentoft, Bess Dawson-Hughes, Roger Fielding, Jean-Marc Kaufman, Stefania Maggi, Jean Petermans, Jean-Yves Reginster, René Rizzoli, Yves Rolland, Laura Schaap, Daniel Uebelhart

09.00 - 12.10

Auditorium A

SCIENTIFIC SESSION I

Chairpersons: John A. Kanis, Jean-Yves Reginster

09.00

Auditorium A

Plenary Lecture 1

- *Frax : 10 years later* Cyrus Cooper

09.30

Auditorium A

Oral communications selected from abstracts

09.30

Auditorium A

OC1

ABALOPARATIDE FOR RISK REDUCTION OF NONVERTEBRAL AND VERTEBRAL FRACTURES IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS: AN UPDATED NETWORK META-ANALYSIS

Presenting author: J.-Y. Reginster

Authors: F. Bianic, R. Campbell, M. Martin, S. A. Williams, L. A. Fitzpatrick

09.40

Auditorium A

OC2

PERSISTENT FRACTURE RISK REDUCTION WITH ABALOPARATIDE-SC FOLLOWED BY 24 MONTHS OF ALENDRONATE

Presenting author: S. Papapoulos

Authors: H. G. Bone, L. A. Fitzpatrick, B. Mitlak, M.-Y. Hu, G. Hattersley, K. G. Saag, R. Rizzoli

09.50

Auditorium A

OC3

COST-EFFECTIVENESS OF ABALOPARATIDE FOR THE TREATMENT OF POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS

Presenting author: M. Hilgsmann

Authors: S. A. Williams, L. A. Fitzpatrick, J.-Y. Reginster

10.00

Auditorium A

OC4

RESULTS FROM A 52-WEEK, PHASE 2A STUDY OF AN INTRA-ARTICULAR, WNT PATHWAY INHIBITOR, SM04690, FOR KNEE OSTEOARTHRITIS

Presenting author: J. Tambiah

Authors: N. Lane, Y. Yazici, T. McAlindon, A. Gibofsky, D. Clauw, C. Swearingen, A. DiFrancesco, M. Hochberg

10.10

Auditorium A

OC5

JOINT SPACE WIDTH CRITERIA CAN REDUCE KNEE OA TRIAL HETEROGENEITY: PHASE 2 POST-HOC DATA FROM WNT PATHWAY INHIBITOR, SM04690

Presenting author: P. Conaghan

Authors: J. Tambiah, C. Swearingen, S. Kennedy, M. Bowes, A. Brett, C. Latterman

10.20

Auditorium A

Presentation of the ESCEO-AgNovos Healthcare Young Investigator Awards

Jean-Yves Reginster

10.30

Auditorium A

Plenary Lecture 2

- *Bone microstructure and fracture risk: implications for the clinician?* Serge Ferrari

11.00

Auditorium A

Oral Communications selected from abstracts

11.00

Auditorium A

OC6

SYSTEMATIC SCREENING USING FRAX LEADS TO INCREASED USE OF, AND ADHERENCE TO, ANTI-OSTEOPOROSIS MEDICATIONS: THE UK SCOOP TRIAL

Presenting author: C. Parsons

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

FRIDAY APRIL 20 - ICE Congress Centre

11.10

Auditorium A

OC7

LOCAL OSTEO-ENHANCEMENT PROCEDURE UTILIZING A NOVEL TRIPHASIC CALCIUM BASED IMPLANT INCREASES LONG TERM FEA-ESTIMATED PROXIMAL FEMUR STRENGTH IN OSTEOPOROTIC WOMEN

Presenting author: M. Bouxsein

Authors: T. Keaveny, D. Lee, J. Stroncek, R. Hill, J. Howe, B. Huber

11.20

Auditorium A

OC8

A META-ANALYSIS OF 4 CLINICAL TRIALS OF DENOSUMAB (DMAB) COMPARED WITH BISPHOSPHONATES (BPS) IN POSTMENOPAUSAL WOMEN PREVIOUSLY TREATED WITH ORAL BISPHOSPHONATES (OBPS)

Presenting author: J. Malouf

Authors: P. D. Miller, N. Pannacciuoli, A. Singer, E. Czerwinski, H. G. Bone, C. Wang, R. B. Wagman, J. P. Brown

11.30

Auditorium A

OC9

TEN-YEAR CONTINUED NONVERTEBRAL FRACTURE (NVFX) REDUCTION IN POSTMENOPAUSAL OSTEOPOROSIS WITH DENOSUMAB (DMAB) TREATMENT

Presenting author: S. Ferrari

Authors: P.W. Butler, D. L. Kendler, P. D. Miller, C. Roux, A. T. Wang, R. B. Wagman, E. M. Lewiecki

11.40

Auditorium A

OC10

DENOSUMAB IMPROVES GLYCEMIC CONTROL OF TYPE 2 DIABETIC PATIENTS WITH OSTEOPOROSIS

Presenting author: C.K. Chew

Authors: S. Khosla, R. Rizza, J. Geske, B. Clarke

11.50

Auditorium A

OC11

EVALUATION OF INVASIVE ORAL PROCEDURES AND EVENTS (OPES) IN WOMEN WITH POSTMENOPAUSAL OSTEOPOROSIS (PMO) TREATED FOR UP TO 10 YEARS WITH DENOSUMAB (DMAB): RESULTS FROM THE PHASE 3 FREEDOM OPEN-LABEL EXTENSION (EXT)

Presenting author: P.W. Butler

Authors: N. B. Watts, J.T. Grbic, N. Binkley, X. Yin, A. Tierney, R. B. Wagman, M. R. McClung

12.00

Auditorium A

OC12

EFFECTS OF ROMOSOZUMAB IN POSTMENOPAUSAL WOMEN WITH OSTEOPOROSIS AFTER 2 AND 12 MONTHS ASSESSED BY MICRO COMPUTED TOMOGRAPHY AND HISTOMORPHOMETRY ON ILIAC CREST BONE BIOPSIES

Presenting author: P. Chavassieux

Authors: R. D. Chapurlat, J.-P. Roux, N. Portero-Muzy, P. Garcia, J. P. Brown, S. Horlait, C. Libanati, R. Boyce, A. Wang, A. Grauer

12.15 - 13.45

Auditorium A

INDUSTRY-SPONSORED LUNCH SYMPOSIUM

12.15 - 13.45

Auditorium B

INDUSTRY-SPONSORED LUNCH SYMPOSIUM

14.00 - 15.00

MEET-THE-EXPERT SESSIONS

Meeting Room 4

► *Local bone treatment in osteoporosis*

Andreas Kurth

Meeting Room 1

► *Bone fragility in young people: when and how to investigate ?*

Serge Ferrari

Meeting Room 2

► *Hypophosphatasia, diagnosis and management*

Maria Luisa Brandi

Meeting Room 3

► *Muscle function assessment in daily practice*

Olivier Bruyère, Charlotte Beaudart

14.00 - 15.00

Poster Area

Poster Viewing Session I

14.00 - 15.17

Podium

Oral presentation of selected posters

Chairperson: Fanny Buckinx

14.00

Podium

P656

SERUM CTX PREDICTS HIP FRACTURE RISK INDEPENDENTLY OF FRAX (WITHOUT BMD) BUT NOT OF BMD – A POST HOC ANALYSIS FROM THE SHEFFIELD HIP FRACTURE STUDY

Presenting author: E. V. McCloskey

Authors: H. Johansson, A. Oden, N. C. Harvey, R. Eastell, F. Gossiel, J. A. Kanis

FRIDAY APRIL 20 - ICE Congress Centre

14.07

Podium

P153

DIETARY PROTEIN INTAKE ABOVE THE CURRENT RDA AND BONE HEALTH: A SYSTEMATIC REVIEW AND META-ANALYSIS

Presenting author: T. C. Wallace

Author: C. L. Frankenfeld

14.14

Podium

P188

INCREASED MORTALITY RISK IN MEN WITH HIGH DIETARY CALCIUM INTAKE BUT NOT IN WOMEN

Presenting author: A. J. Rodriguez

Authors: D. Scott, B. Khan, A. Hodge, D. R. English, G. G. Giles, B. Abrahamsen, P. R. Ebeling

14.21

Podium

P701

ASSOCIATIONS BETWEEN RADIUS LOW-FREQUENCY AXIAL ULTRASOUND VELOCITY AND BONE FRAGILITY IN ELDERLY MEN AND WOMEN

Presenting author: E. Biver

Authors: J. Pepe, A. De Sire, T. Chevalley, S. Ferrari

14.28

Podium

P510

VITAMIN D STATUS IN ADOLESCENCE IS AN INDEPENDENT PREDICTOR OF BONE MINERAL DENSITY AND MICROARCHITECTURE IN EARLY ADULTHOOD: A 17-YR PROSPECTIVE COHORT STUDY

Presenting author: Y. Yang

Authors: F. T. Wu, T. Winzenberg, G. Jones

14.35

Podium

P308

BUROSUMAB, AN ANTI-FGF23 MONOCLONAL ANTIBODY, FOR X-LINKED HYPOPHOSPHATEMIA (XLH): ANALYSIS BY AGE FROM TWO PHASE 2 PEDIATRIC TRIALS

Presenting author: R. Padidela

Authors: T. O. Carpenter, E. Imel, A. A. Portale, A. Linglart, W. Högl, A. Boot, W. van't Hoff, G. S. Gottesman, M. Mao, A. Skrinar, J. San Martin, M. P. Whyte

14.42

Podium

P1065

INTERVENTION THRESHOLD BASED ON FRAX AND BMD

Presenting author: H. Johansson

Authors: F. Azizieh, N. Al Ali, A. Thamer, N. C. Harvey, E. V. McCloskey, J. Kanis

14.49

Podium

P195

IMPACT OF BISPHOSPHONATES IN AGE-RELATED MACULAR DEGENERATION: RETROSPECTIVE COHORT AND NESTED CASE-CONTROL STUDY

Presenting author: C. Garriga

Authors: M. Pazianas, S. Hawley, A. Delmestri, D. Prieto-Alhambra, C. Cooper, A. Judge

15.10

Podium

P443

FRAME STUDY: THE FOUNDATION EFFECT OF REBUILDING BONE WITH ONE YEAR OF ROMOSOZUMAB LEADS TO CONTINUED LOWER FRACTURE RISK AFTER TRANSITION TO DENOSUMAB

Presenting author: S. Ferrari

Authors: F. Cosman, D. B. Crittenden, A. Khan, N. E. Lane, K. Lippuner, T. Matsumoto, C. E. Milmont, C. Libanati, A. Grauer

15.03

Podium

P524

ANTI-OSTEOPOROSIS MEDICATION PRESCRIPTIONS AND INCIDENCE OF SECONDARY FRACTURE AMONGST HIP FRACTURE PATIENTS IN ENGLAND AND WALES: AN AGE STRATIFIED INTERRUPTED TIME SERIES ANALYSIS

Presenting author: S. Hawley

Authors: D. Prieto-Alhambra, A. Delmestri, N. K. Arden, C. Cooper, A. Judge, M. K. Javaid

14.56

Podium

P473

POCOSTEO: POC IN-OFFICE DEVICE FOR IDENTIFYING INDIVIDUALS AT HIGH RISK OF OSTEOPOROSIS AND OSTEOPOROTIC FRACTURE

Presenting author: P. Khashayar

Authors: F. Leys, P. Lopes, A. Ostovar, G. Schols, R. Gransee, D. Latta, P. Biggs, I. J. Riley, C. K. O'Sullivan, I. Katakis, M. Ortiz, J. L. L. Acero, R. Hoogenboom, F. Devlieghere, P. Ragaert, B. Barredo, M. Adriaens, B. Obermayer-Pietsch, H. P. Dimai, B. Larijani, J. Vanfleteren

14.00 - 15.00

Meeting Room 6

IOF-ESCEO SYMPOSIUM

Meeting Room 6

Nutrition and physical activity in the prevention and treatment of sarcopenia: Outcomes of the IOF-ESCEO sarcopenia Working Groups

Chairpersons: Charlotte Beaudart, Elaine M. Dennison

► 14.00 ► *Welcome and scope of the problem*

Nicholas Harvey

► 14.05 ► *Methodology of the systematic review*

Elaine M. Dennison

► 14.15 ► *Outcomes of the systematic review*

Charlotte Beaudart

► 14.25 ► *Dairy products in the prevention and treatment of sarcopenia: Outcomes of the ESCEO Working Groups* Jean-Yves Reginster

► 14.40 ► *Discussion - Leader:* Roland D. Chapurlat

► 14.55 ► *Conclusion* Charlotte Beaudart

This Symposium was made possible through an Unrestricted Educational Grant from the "European Milk Forum" (EMF) and the "Centre de recherche et d'information nutritionnelles" (CERIN)

FRIDAY APRIL 20 - ICE Congress Centre

15.00 - 16.45

Meeting Room 6

COMMITTEE OF NATIONAL SOCIETIES SPECIAL PLENARY SESSION

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

Chairperson: Jean-Yves Reginster

15.03

Meeting Room 6

OCs1

ONE YEAR OUTCOMES OF FRACTURE LIAISON SERVICE AT THE NATIONAL TAIWAN UNIVERSITY HEALTHCARE SYSTEM

Presenting author: D.-C. Chan

Authors: R.-S. Yang, C.-H. Hong, K.-S. Tsai

15.11

Meeting Room 6

OCs2

RELATIONSHIPS OF PLASMA TOTAL HOMOCYSTEINE, FOLATE AND VITAMIN B12 LEVELS TO VERTEBRAL FRACTURE AND BONE MINERAL DENSITY IN MOROCCAN HEALTHY POSTMENOPAUSAL WOMEN

Presenting author: A. El Maataoui

Authors: S. Nadifi, A. El Maghraoui, Z. Ouzzif

15.19

Meeting Room 6

OCs3

SARCOPENIA AND QUALITY OF LIFE QUESTIONNAIRE (SARQOL®): GREEK CROSS CULTURAL ADAPTATION

Presenting author: C. Matzaroglou

Authors: M. Tsekoura, E. Billis, J. Gliatis, E. Tsepis, G.K. Sakkas, C. Beaudart, O. Bruyère, E. Panagiotopoulos

15.27

Meeting Room 6

OCs4

FRAILTY AND RISK OF FRAGILITY FRACTURES IN PARTICIPANTS WITH TYPE 2 DIABETES MELLITUS

Presenting author: G. Li

Authors: J. Prior, A. Papaioannou, L. Thabane, M. Levine, J. Adachi

15.35

Meeting Room 6

OCs5

DIETARY CALCIUM INTAKE IN CAUCASIAN AND EAST ASIAN ADOLESCENTS: A STUDY OF EXPATRIATE MALE HIGH SCHOOLERS AGED 16-18 YEARS RESIDING IN SINGAPORE

Presenting author: M. Chandran

Author: A.D. Chandran

15.43

Meeting Room 6

OCs6

THE ORGANIZATION OF SECONDARY FRACTURE PREVENTION SERVICES IN RUSSIAN FEDERATION

Presenting author: O. Lesnyak

Authors: K. Belova, O. Ershova

15.51

Meeting Room 6

OCs7

ASSOCIATION BETWEEN OSTEOPOROSIS AND COGNITIVE IMPAIRMENT IN A COMMUNITY DWELLING OLDER POPULATION

Presenting author: F. Sharifi

Authors: G. Shafiee, R. Heshmat, I. Nabipour, B. Larijani, A. Ostovar

15.59

Meeting Room 6

OCs8

VERTEBRAL FRACTURES CASCADE: POTENTIAL ETIOLOGIES AND RISK

Presenting author: H. Che

Authors: V. Breuil, B. Cortet, J. Paccou, L. Chapuis, F. Debais, R.M. Javier, N. Mehsen Cetre, T. Thomas, C. Roux, K. Briot, S. Loiseau Peres

16.07

Meeting Room 6

OCs9

PREVALENCE OF OSTEOPOROSIS IN THE TURKISH WOMEN, RISK FACTORS AND THEIR AWARENESS ABOUT OSTEOPOROSIS ACCORDING TO THE CAMPAIGN OF "HEALTHY BONES & STRONG WOMEN"

Presenting author: Y. Kirazli

Authors: F.C. Atamaz Calis, S. Tuzun, O. El, O. Peker, B. Durmaz, S. Oncel

16.15

Meeting Room 6

OCs10

TRABECULAR BONE SCORE OF CHILDREN AND ADOLESCENTS 4 TO 19 YEARS OLD IN MEXICO CITY

Presenting author: M. A. Guagnelli

Authors: R. Ambrosi, D. Lopez-Gonzalez, R. Winzenrieth, L. Del Rio, P. Clark

16.23

Meeting Room 6

OCs11

CROSS CULTURAL ADAPTATION OF THE SARQOL QUESTIONNAIRE INTO HUNGARIAN LANGUAGE

Presenting author: A. I. Gasparik

Author: L. Hodinka

16.35

Meeting Room 6

Presentation of the IOF Committee of National Societies Medal

Jean-Yves Reginster

15.00 - 17.00

Auditorium A

SCIENTIFIC SESSION II

Chairpersons: Cyrus Cooper, Olivier Bruyère

15.00

Auditorium A

Plenary Lecture 3

► *New perspectives in osteoarthritis management*

Philip Conaghan

FRIDAY APRIL 20 - ICE Congress Centre

15.30

Auditorium A

Presentation of the IOF President's Award

Cyrus Cooper

15.35

Auditorium A

Presentation of the ESCEO-IBSA Young Investigator Award

Cyrus Cooper

15.35

Auditorium A

Presentation of the ESCEO-IBSA Best Oral Presentation Award

Olivier Bruyère

15.40

Auditorium A

Oral communications selected from abstracts

15.40

Auditorium A

OC13

A PHASE 3 RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY INVESTIGATING THE EFFICACY AND SAFETY OF BUROSUMAB, AN ANTI-FGF23 ANTIBODY, IN ADULT X-LINKED HYPOPHOSPHATEMIA (XLH)

Presenting author: P. Kamenicky

Authors: R. Lachmann, T. O. Carpenter, M. Cohen-Solal, R. Eastell, M. L. Brandi, R.K. Crowley, S.H. Ralston, K. Javai, R. Keen, K. Briot, H.I. Cheong, Y. Imanishi, N. Ito, H. Tanaka, L. Zhang, C. Theodore-Oklota, M. Mealiffe, J. San Martin, K.L. Insogna

15.50

Auditorium A

OC14

EFFECTS OF RESISTANCE AND IMPACT EXERCISE TRAINING ON TRABECULAR BONE MICROARCHITECTURE AND KNEE CARTILAGE HEALTH IN OLDER ADULTS: AN 18-MONTH RANDOMIZED CONTROLLED TRIAL

Presenting author: R.M. Daly

Authors: J. Gianoudis, M.E. Kersh, Y. Wang, C.A. Bailey, P. R. Ebeling, C.A. Nowson, K. Sanders, F. Cicuttini, K.D. Hill

16.00

Auditorium A

OC15

ASSESSING THE IMPACT OF PRESCRIBING ANTI-OSTEOPOROSIS MEDICATION AFTER AN INDEX FRACTURE AS PART OF A NATIONAL CLINICAL AUDIT

Presenting author: M. K. Javai

Authors: C. Gallagher, A. Judge, N.J. Vasilakis

16.10

Auditorium A

OC16

EFFECT OF LACTOBACILLUS REUTERI ON BONE LOSS IN OLDER WOMEN WITH LOW BONE MINERAL DENSITY – A RANDOMIZED CLINICAL TRIAL

Presenting author: M. Lorentzon

Authors: G. Nilsson, D. Sundh, F. Bäckhed

16.20

Auditorium A

OC17

MORE FREQUENT AND MORE SUSTAIN OSTEOPOROSIS TREATMENT AFTER FRAGILITY VERTEBRAL FRACTURES WHEN INTRODUCED EARLY IN INPATIENTS THAN DELAYED IN OUTPATIENTS

Presenting author: T. Chevalley

Authors: H. Spechbach, I. Fabreguet, E. Saule, M. Hars, J. Stirnemann, S. Ferrari, R. Rizzoli

16.30

Auditorium A

Plenary Lecture 4

► *Management of iatrogenic osteoporosis*

Peyman Hadji

17.00 - 18.30

Auditorium A

INDUSTRY-SPONSORED SYMPOSIUM

17.00 - 18.30

Auditorium B

INDUSTRY-SPONSORED SYMPOSIUM

SATURDAY APRIL 21 - ICE Congress Centre

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Meeting Room 2

Achieving gender equity in musculoskeletal science - why it matters and how can we do it ?

Chairperson: Christel Lamberg-Allardt

- *The effects of equity and diversity on research impact: narrative review of the literature*
Christel Lamberg-Allardt
- *Advance Australia Fair: progress in gender equity in science in Australia* Tania Winzenberg
- *Practical initiatives to support gender equity in science* Sharon Brennan-Olsen

Meeting Room 4

Mediterranean diet and musculoskeletal diseases

Chairpersons: Gaetano Crepaldi, René Rizzoli

- *Introduction*
- *Mediterranean diet and bone health* Stefania Maggi
- *Mediterranean diet and muscular function*
Matteo Tosato
- *Mediterranean diet and osteoarthritis* Nicola Veronese
- *Discussion*

Meeting Room 3

Demonstrating fracture liaison service effectiveness - Use of fracture incidence and prescribing data to demonstrate clinical and cost effectiveness in a small population

Chairperson: Kassim Javaid

- *Preventing disability and ageing well: an innovative service support model for fracture prevention in the UK* Debbie Stone
- *Making the case for fracture liaison services in prevention of disability – analysis of national prescribing data in England* Tim Jones

Meeting Room 7

ASBMR-IOF-ESCEO Symposium: Closing the Treatment Gap

Chairperson: Cyrus Cooper

- *An update on fracture liaison implementation and quality measures in the US* Robert Adler
- *A strategic roadmap and action plan to prevent secondary fractures* Douglas Kiel
- *A global overview of secondary fracture prevention strategies and service initiatives worldwide*
Nicholas Harvey
- *An update on risk assessment and fracture prevention in European nations* Eugene McCloskey

Meeting Room 5

DO-HEALTH: First results of a large European Trial

Chairperson: John A. Kanis

- *Introduction* John A. Kanis
- *Review results of recent trials involving supplemental vitamin D and musculoskeletal outcomes* Bess Dawson-Hughes
- *First presentation of trial findings of DO-HEALTH regarding musculoskeletal outcomes.*
Heike A. Bischoff-Ferrari

Meeting Room 1

Complex Regional Pain Syndrome: Facts on Causes, Diagnosis and Therapy

Chairperson: Maria Luisa Brandi

- *Introduction* Maria Luisa Brandi
- *Definition of the Complex Regional Pain Syndrome*
Giovanni Iolascon
- *Therapies for the Complex Regional Pain Syndrome* Giovanni Orsolini
- *Conclusion*

08.00 - 09.00

Meeting Room 6

Joint ESPRM – ESCEO – IOF Symposium

Meeting Room 6

Role of Physical Medicine and Rehabilitation in the Management of Osteoporosis and Musculoskeletal Disorders

- Maria Staniszevska
 - *The effect of exercise on pain and functional activity in knee osteoarthritis* Fitnat Dincer
 - *The role of rehabilitation in prevention and treatment of Spinal Disorders* Piotr Tederko
- Chairperson: Fitnat Dincer

09.00 - 12.10

Auditorium A

SCIENTIFIC SESSION III

Chairpersons: Bess Dawson-Hughes, Alfonso Cruz Jentoft

SATURDAY APRIL 21 - ICE Congress Centre

09.00

Auditorium A

Plenary Lecture 5

► *Inflammation and musculoskeletal aging*

Eugene McCloskey

09.30

Auditorium A

Oral communications selected from abstracts

09.30

Auditorium A

OC18

PHYSICAL ACTIVITY PHENOTYPES ARE ASSOCIATED WITH CARTILAGE VOLUME LOSS AND KNEE REPLACEMENT, BUT NOT WITH INCIDENT BONE-MARROW LESIONS OVER 10.7 YEARS

Presenting author: I. P. Munugoda

Authors: F. Pan, K. Wills, F. Cicuttini, S.E. Graves, M. Lorimer, G. Jones, M.L. Callisaya, D. Aitken

09.40

Auditorium A

OC19

ASSOCIATION BETWEEN DIETARY NUTRIENT INTAKE AND SARCOPENIA: THE SARCOPHAGE COHORT STUDY

Presenting author: C. Beaudart

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

09.50

Auditorium A

OC20

THE FRAIL TOOLS STUDY - A COMPREHENSIVE VALIDATION OF TOOLS TO SCREEN AND DIAGNOSE FRAILTY IN DIFFERENT CLINICAL AND SOCIAL SETTINGS

Presenting author: T. Grodzicki

Authors: A. Parnicka, A. Kańtoch, B. Wizner, B. Gryglewska, M. Checa, J. Carnicero, S. Bellary, B. Vellas, M. Cesari, R. Bernabei, F. Landi, L.R. Mañas

10.00

Auditorium A

OC21

TRANSLATING THE LIFESTYLE INTERVENTIONS AND INDEPENDENCE FOR ELDERLY CLINICAL TRIAL TO MOBILITY-LIMITED OLDER ADULTS IN THE COMMUNITY: THE ENGAGE PILOT STUDY

Presenting author: K. Reid

Authors: J. Laussen, K. Bhatia, D. Englund, D. Kirn, L.L. Price, T. Manini, C. Liu, C. Kowaleski, R. Fielding

10.10

Auditorium A

OC22

DYNAMIC APPROACH OF THE FRAILTY STATUS IN NURSING HOMES: 2-YEAR PROSPECTIVE FOLLOW-UP OF THE SENIOR COHORT

Presenting author: F. Buckinx

Authors: A. Charles, X. Rygaert, J.-Y. Reginster, J. Petermans, O. Bruyère

10.20

Auditorium A

Presentation of the ESCEO-IOF-ERAB Scholarship

René Rizzoli

10.30

Auditorium A

Plenary Lecture 6

► *New perspectives in frailty and sarcopenia management* Matteo Tosato

11.00

Auditorium A

Oral communications selected from abstracts

11.00

Auditorium A

OC23

RELATIONSHIPS BETWEEN MUSCLE SIZE, STRENGTH AND FUNCTION AND THE RISK OF FALLS AND FRACTURES: FINDINGS FROM THE HERTFORDSHIRE COHORT STUDY

Presenting author: N. R. Fuggle

Authors: K. A. Jameson, M. H. Edwards, E. M. Dennison, C. Cooper

11.10

Auditorium A

OC24

THREE-YEAR ADVERSE HEALTH CONSEQUENCES OF SARCOPENIA IN COMMUNITY-DWELLING OLDER ADULTS: RESULTS FROM THE SARCOPHAGE COHORT STUDY

Presenting author: M. Locquet

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

11.20

Auditorium A

OC25

THE DISCRIMINATIVE ABILITY OF SARQOL® ACCORDING TO THE DEFINITION OF SARCOPENIA: THE OFELY STUDY

Presenting author: E. Sornay-Rendu

Authors: C. Beaudart, O. Bruyère, R. D. Chapurlat

11.30

Auditorium A

OC26

LONG-TERM COST-EFFECTIVENESS OF SCREENING FOR FRACTURE RISK IN A UK PRIMARY CARE SETTING

Presenting author: F. Borgström

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

11.40

Auditorium A

OC27

COST-BENEFIT ANALYSIS OF CALCIUM AND VITAMIN D SUPPLEMENTS

Presenting author: H. A. Bischoff-Ferrari

Authors: C. Weaver, C. Shanahan

SATURDAY APRIL 21 - ICE Congress Centre

11.50

Auditorium A

OC28

PHYSICAL PERFORMANCE OR FUNCTION, BUT NOT APPENDICULAR LEAN MASS, PREDICT INCIDENT FRACTURES INDEPENDENTLY OF FRAX PROBABILITY AND BMD: RESULTS FROM THE OSTEOPOROTIC FRACTURES IN MEN (MROS) COHORT

Presenting author: N. C. Harvey

Authors: A. Odén, E. Orwoll, J. Lapidus, T. Kwok, M. Karlsson, B. Rosengren, O. Ljunggren, C. Cooper, P. M. Cawthon, J. A. Kanis, C. Ohlsson, D. Mellström, H. Johansson, E. V. McCloskey

12.00

Auditorium A

OC29

PLASMA CTX IN PREGNANCY IS ALTERED BY CHOLECALCIFEROL SUPPLEMENTATION AND IS ASSOCIATED WITH MATERNAL BONE INDICES: THE MAVIDOS TRIAL

Presenting author: E. M. Curtis

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

12.15 - 13.45

Auditorium A

INDUSTRY-SPONSORED LUNCH SYMPOSIUM

12.15 - 13.45

Auditorium B

INDUSTRY-SPONSORED LUNCH SYMPOSIUM

14.00 - 15.00

MEET-THE-EXPERT SESSIONS

Meeting Room 4

► Sound use of bone turnover markers

Etienne Cavalier

Meeting Room 1

► Interaction of nutrition and exercise on bone and muscle

Elaine M. Dennison

Meeting Room 2

► Calcium : what is good and what is bad

Nicholas Harvey

Meeting Room 3

► HIV and bone

Emmanuel Biver

Meeting Room 5

► Bone microstructure and fracture prediction

Roland D. Chapurlat

14.00 - 15.00

Poster Area

Poster Viewing Session II

14.00 - 15.10

Podium

Oral presentation of selected posters

Chairperson: Fanny Buckinx

14.00

Podium

P616

STATINS AND INCIDENT KNEE OSTEOARTHRITIS: RESULTS FROM THE OSTEOARTHRITIS INITIATIVE

Presenting author: N. Veronese

Authors: S. Maggi, C. Cooper, J.-Y. Reginster

14.07

Podium

P378

COMBINED FRACTAL- AND ENTROPY-BASED ANALYSIS OF BONE TEXTURE PREDICTS INCIDENT OSTEOARTHRITIS OF THE KNEE: DATA FROM THE MULTICENTER OSTEOARTHRITIS STUDY (MOST).

Presenting author: R. Ljuhar

Authors: Z. Bertalan, S. Nehrer, D. Ljuhar, A. Fahrleitner-Pammer, H. P. Dimai

14.14

Podium

P379

RISK OF SEVERE LUMBAR SPINAL STENOSIS ON MRI SCANS IS INCREASED BY HEAVY MANUAL WORK: THE WAKAYAMA SPINE STUDY

Presenting author: Y. Ishimoto

Authors: C. Cooper, K. Walker-Bone, G. Ntani, H. Yamada, H. Hashizume, K. Nagata, S. Muraki, S. Tanaka, N. Yoshimura, M. Yoshida

14.21

Podium

P1112

A NEW DECISION TREE FOR DIAGNOSIS AND MANAGEMENT OF OSTEOARTHRITIS IN PRIMARY CARE: INTERNATIONAL CONSENSUS OF EXPERTS

Presenting author: J. Martel-Pelletier

Authors: F. Rannou, J.-P. Pelletier, O. Mkinsi, J. Branco, L. Alekseeva, P. Monod, F. Planta, E. Maheu, J.-Y. Reginster

14.28

Podium

P103

EFFECT OF HIGH-INTENSITY INTERVAL OR MODERATE-INTENSITY CONTINUOUS TRAINING ON BODY COMPOSITION AND PHYSICAL PERFORMANCE IN OBESE-OSTEOPENIC ELDERLY WOMEN

Presenting author: P. Noirez

Authors: M. Dulac, L.P. Carvalho, G. El Haj Boutros, V. Marcangeli, P. Gaudreau, J. A. Morais, G. Gouspillou, M. Aubertin-Leheudre

14.35

Podium

P543

PATIENT'S ENGAGEMENT IN THE IDENTIFICATION OF CRITICAL OUTCOMES IN SARCOPENIA

Presenting author: C. Beaudart

Authors: O. Bruyère, J.-Y. Reginster, J. Bauer, C. Cooper, A. J. Cruz Jentoft, F. Landi, M. Locquet, S. Maggi, R. Rizzoli, Y. Rolland, N. Vaquero, M. Hilgsmann

SATURDAY APRIL 21 - ICE Congress Centre

14.42

Podium

P640

HIGH POSTURAL SWAY PREDICTS FRACTURES IN ELDERLY WOMEN

Presenting author: S. L. Qazi

Authors: J. Sirola, H. Kröger, R. Honkanen, M. Isanejad, O. Airaksinen, T. Rikkinen

14.49

Podium

P876

EFFICACY OF DIFFERENT MODES OF VITAMIN D SUPPLEMENTATION STRATEGIES IN SAUDI ADOLESCENTS

Presenting author: N. Al-Daghri

Authors: M. Ansari, S. Sabico, Y. Al-Saleh, N. Aljohani, H. Alfawaz, M. Alharbi, A. Al-Othman, M. Alokail, S. Wimalawansa

14.56

Podium

P646

LOW BONE MINERAL DENSITY AND RISK OF FALLS ARE INCREASED AMONG INDIVIDUALS WITH RHEUMATOID ARTHRITIS: FINDINGS FROM UK BIOBANK

Presenting author: M. A. Clynes

Authors: K. A. Jameson, D. Prieto-Alhambra, N. C. Harvey, C. Cooper, E. M. Dennison

15.03

Podium

P637

THIRTY-ONE MEN AND WOMEN WITH 145 SPONTANEOUS VERTEBRAL FRACTURES AFTER DENOSUMAB DISCONTINUATION: A SINGLE CENTER OBSERVATIONAL STUDY

Presenting author: E. Gonzalez Rodriguez

Authors: D. Stoll, B. Aubry-Rozier, O. Lamy

14.00 - 15.00

Meeting Room 7

ESCEO SYMPOSIUM

Meeting Room 7

Guidelines for the conduct of clinical trials in hand osteoarthritis

Chairpersons: Cyrus Cooper, Andrea Laslop

► 14.00 ► Introduction and scope of the problem

Nigel K. Arden

► 14.10 ► Guidelines for the conduct of pharmacological trials in hand OA : Consensus of a working group of the ESCEO Ida Haugen

► 14.30 ► Discussion All

► 14.55 ► Conclusion Andrea Laslop

Panel: Nigel K. Arden, Jaime Branco, Olivier Bruyère, Etienne Cavalier, Roland D. Chapurlat, Cyrus Cooper, Elaine M. Dennison, Ida Haugen, Gabriel Herrero-Beaumont, Andrea Laslop, Stefania Maggi, Ouafa Mkini, Daniel Prieto-Alhambra, Jean-Yves Reginster, François Rannou, Thierry Thomas, Daniel Uebelhart, Nicola Veronese

14.00 - 15.00

Meeting Room 6

Educational Session jointly organized by EUGMS-ESCEO and IOF

Meeting Room 6

Managing complex older patients: beyond the bone and muscle

Chairpersons: Alfonso Cruz Jentoft, Stefania Maggi

► 14.00 ► Welcome Stefania Maggi

► 14.05 ► Assessing older complex patients (Core Geriatric Assessment for non-geriatricians)

Alfonso Cruz Jentoft

► 14.20 ► Understanding and measuring co-morbidity in older people Finbarr Martin

► 14.35 ► Decision-making in complex older patients Stefania Maggi

► 14.50 ► Discussion - Leader Alfonso Cruz Jentoft

15.00 - 17.00

Auditorium A

SCIENTIFIC SESSION IV

Chairpersons: Serge Ferrari, Nicholas Harvey

15.00

Auditorium A

Plenary Lecture 7

► Microbiota and bone disease René Rizzoli

15.35

Auditorium A

Presentation of the IOF Best Committee of National Societies Booth

Jean-Yves Reginster, Philippe Halbout

15.40

Auditorium A

Oral communications selected from abstracts

SATURDAY APRIL 21 - ICE Congress Centre

15.40

Auditorium A

OC30

RISK OF INCIDENT FRACTURE IS ASSOCIATED WITH DOSE, DURATION AND RECENCY OF ORAL GLUCOCORTICOID EXPOSURE

Presenting author: D. E. Robinson

Authors: T. P. Van Staa, M. Lunt, E. M. Dennison, C. Cooper, W.G. Dixon

15.50

Auditorium A

OC31

PRO-INFLAMMATORY DIETARY PATTERN IS ASSOCIATED WITH FRACTURES IN WOMEN: AN EIGHT YEAR LONGITUDINAL COHORT STUDY

Presenting author: N. Veronese

Authors: N. Shivappa, J. Hebert, C. Cooper, G. Guglielmi, J.-Y. Reginster, R. Rizzoli, S. Maggi

16.00

Auditorium A

OC32

LONG-TERM EFFECTS ON BONE MINERAL DENSITY AFTER FOUR YEARS OF TREATMENT WITH TWO INTENSIVE COMBINATION STRATEGIES, INCLUDING INITIALLY HIGH DOSE PREDNISOLONE, IN EARLY RHEUMATOID ARTHRITIS PATIENTS: THE COBRA-LIGHT TRIAL.

Presenting author: M. J. J. Lucassen

Authors: M.M. Ter Wee, D. Den Uyl, N.P.C. Konijn, M.T. Nurmohamed, D. van Schaardenburg, P.J.S. Kerstens, I.E.M. Bultink, L.H.D. van Tuyl, M. Boers, W.F. Lems

16.10

Auditorium A

OC33

UTILITY LOSS AFTER A SENTINEL FRACTURE

Presenting author: H. Johansson

Authors: J. Kanis, A. Odén, N. C. Harvey, V. Gudnason, K. Sanders, G. Sigurdsson, K. Siggeirsdottir, L. A. Fitzpatrick, M. Lorentzon, F. Borgström, E. V. McCloskey

16.20

Auditorium A

OC34

DANGER OF OVERTREATMENT OF OSTEOPOROSIS WITH INAPPROPRIATE USE OF INTERVENTION THRESHOLDS DERIVED BY COST-EFFECTIVENESS ANALYSIS

Presenting author: E. V. McCloskey

Authors: H. Johansson, A. Oden, N. C. Harvey, J. Compston, C. Cooper, J. A. Kanis

16.30

Auditorium A

Plenary Lecture 8

► *Obesity, osteoporosis diagnosis and fracture risk*

Peter R. Ebeling

17.00 - 18.30

Auditorium B

INDUSTRY-SPONSORED SYMPOSIUM

18.30 - 19.30

NON-SPONSORED SYMPOSIA

Meeting Room 6

A contemporary approach in education: Developing the role of nurses working in secondary fracture prevention

Chairperson: Kassim Javaid

- *The role of the fracture liaison nurse* Sonya Stephenson
- *Competency framework for health professionals working in fracture prevention* Debbie Stone

Meeting Room 7

Optimising bone health, muscle strength and balance in middle-aged women: new opportunities for long-term fracture prevention

Chairpersons: Tania Winzenberg, Christel Lamberg-Allardt

- *Targets for optimising bone, muscle strength and balance in middle-aged women* Feitong Wu
- *The role of dietary phosphorus in bone health in middle-aged adults* Christel Lamberg-Allardt
- *Is bone density testing an under-utilised educational tool in younger women?* Tania Winzenberg

Meeting Room 5

Musculo-skeletal Imaging by clinical microCT

Chairpersons: Roland D. Chapurlat, Eric Lespessailles

- *Introduction "Contribution of HRpQCT to the management of bone and joint diseases"* Roland D. Chapurlat, Eric Lespessailles
- *What does HRpQCT investigation have added to the field of osteoporosis ?* Serge Ferrari
- *What does HRpQCT investigation have added to the field of chronic inflammatory rheumatism ?* Stephanie Finzel
- *Questions & Answers* All

SATURDAY APRIL 21 - ICE Congress Centre

18.30 - 19.30

Meeting Room 1

Clinical Application of Bone Markers

Chairpersons: Richard Eastell, Adolfo Diez-Perez

- ▶ *Methodological conditions for testing PINP and CTX. NBHA recommendations.* Pawel Szulc
- ▶ *Assay Standardisation. Report of the IOF/IFCC Bone Turnover Marker Working Group.* Etienne Cavalier
- ▶ *Recommendations for the practice. IOF/ECTS Adherence Working Group recommendations*
Adolfo Diez-Perez
- ▶ *Recommendations for the practice. IOF/ECTS Adherence Working Group recommendations*
Richard Eastell

Meeting Room 0

Joint IOF ESCEO FFN Secondary Fracture Prevention / FLS

Chairperson: Kristina Åkesson

- ▶ *Challenges of FLS - Global perspective & Results of Survey* Kassim Javaid
- ▶ *Integration with Trauma* Frede Frihagen
- ▶ *Tools from the CtF programme* Thierry Thomas
- ▶ *Discussion*

Meeting Room 3

Management of Bone Health Throughout Women's Life Span. Gynecological Perspective on Effective Prevention of Osteoporosis Fragility Fracture

Chairperson: Adriana Orcesi Pedro

- ▶ *Opening* Adriana Orcesi Pedro
- ▶ *Epidemiology and risk factors for osteoporosis in women.* Bruno Muzzi Camargos
- ▶ *Update on hormone therapy and osteoporosis prevention* Adriana Orcesi Pedro
- ▶ *Osteoporosis prevention and treatment on special situations during women's life span* Ben-Hur Albergaria
- ▶ *Question & Answers with audience*

18.40 - 19.40

Cocktail offered by ESCEO and IOF to all recipients of prizes, awards, fellowships and scholarships - by invitation only

SUNDAY APRIL 22 - ICE Congress Centre

08.00 - 09.00

NON-SPONSORED SYMPOSIA

Meeting Room 2

Optimalisation of Fracture Liaison Services

Chairpersons: Willem Lems, Kassim Javaid

- *The Capture the Fracture Project, a flagship of IOF*
Kristina Åkesson
- *A database of > 200 FLS services, what can we learn from that?* Kassim Javaid
- *In patients in which a DXA is indicated, a VFA (vertebral fracture assessment) is also indicated!*
Willem Lems
- *Discussion*

Meeting Room 3

Diabetes and Osteoporosis: A sweet relationship

Chairperson: Bruno Muzzi Camargos

- *Underlying mechanisms between diabetes mellitus and osteoporosis* Oscar Rosero Olarte
- *Bone microarchitecture in diabetes*
Maria Belen Zanchetta
- *Fracture risk assessment on diabetic patients: FRAX, DXA, TBS* Bruno Muzzi Camargos
- *Osteoporosis treatment on diabetic patients: Efficacy and drug interactions* Adriana Medina Orjuela
- *Clinical guidance: Diabetic patients at risk of fractures* Luis Fernando Vidal Neira
- *Questions and answers* All

Meeting Room 1

Taking care of the osteoporotic spine

Chairpersons: Sansin Tüzün, Radmila Matijevic

- *The Impact of spinal alignment on falls and fractures* Ülkü Akarımak
- *How to create a stable spine via exercise in osteoporosis?* Sansin Tüzün
- *To brace or not to brace in the osteoporotic spine?*
Fusun Güler Uysal
- *Spinal Augmentation: How to choose the best candidate?* Çağatay Öztürk

Meeting Room 7

Management of Osteoporosis - Closing the gap in the CEE countries

Chairperson: Heinrich Resch

- *Fracture epidemiology in the CEE countries*
Peter Lakatos
- *Closing the treatment gap in Poland - our experiences* Edward Czerwinski
- *The add value of Biomarkers* Vladimir Palicka
- *Simple but accurate tools in the fracture risk assessment* Catalina Poiana
- *Treatment failures and side effects* Juray Payer

Meeting Room 5

Novelty regarding the potential of nutritional interventional studies with or without exercise training to prevent muscle function in older adults

Chairpersons: Mylène Aubertin-Leheudre, Olivier Bruyère

- *Vitamin D and muscle function* Olivier Bruyère
- *Omega-3 and muscle function* Yves Rolland
- *Citruline and muscle function* Mylène Aubertin-Leheudre

Meeting Room 4

Impact of osteoporosis/osteopenia in management of osteoarthritis

Chairperson: Hannu T. Aro

- *The prevalence of osteoporosis and vitamin-D deficiency in patients with hip osteoarthritis*
Julie Glowacki
- *Selection of uncemented or cemented hip prosthesis in fracture patients and osteoarthritic patients: implant stability, periprosthetic bone loss and periprosthetic fractures* Olof Sköldenberg
- *Zoledronic acid and denosumab in prevention of periprosthetic bone loss in cementless hip replacement of postmenopausal women* Hannu T. Aro

SUNDAY APRIL 22 - ICE Congress Centre

08.00 - 09.00

Meeting Room 6

ESCEO SYMPOSIUM

Meeting Room 6

Phosphate wasting disorders: What the bone doctor should know. A report of an ESCEO Working Group.

Chairpersons: Maria Luisa Brandi, René Rizzoli

- 08.00 ► *The FGF23/Phosphate/Klotho/FGF-Rs machinery* Dieter Haffner
 - 08.15 ► *Expression of Phosphate Wasting Disorders in the Adults* Kassim Javaid
 - 08.30 ► *Management of Phosphate Wasting Disorders* Laura Masi
 - 08.45 ► *Discussion*
 - 08.55 ► *Conclusions* Serge Ferrari
- Panel: Maria Luisa Brandi, René Rizzoli, Dieter Haffner, Kassim Javaid, Laura Masi, Serge Ferrari, Peter Kamenicky

09.00 - 10.00

MEET-THE-EXPERT SESSIONS

Meeting Room 2

- *Intra-articular therapy in knee osteoarthritis* François Rannou

Meeting Room 1

- *Vitamin D : What is good and what is bad* Bess Dawson-Hughes

Meeting Room 3

- *Fall risk assessment and prevention* Stefania Maggi

Meeting Room 4

- *Pharmacological management of osteoporosis in Poland* Edward Czerwinski

09.00 - 10.00

Poster Area

Poster Viewing Session III

09.00 - 10.00

Meeting Room 5

EDUCATIONAL LECTURE

- *How can behavioural sciences improve the outcome of daily practice?* Daniel Pinto, Zachary Zenko

10.00 - 12.00

Auditorium B

SCIENTIFIC SESSION V

Chairpersons: René Rizzoli, Stefania Maggi

10.00

Auditorium B

Plenary Lecture 9

- *How to manage imminent fracture risk* Thierry Thomas

10.30

Auditorium B

Presentation of the ESCEO-IOF Pierre Meunier Young Scientist Award

Bess Dawson-Hughes

10.40

Auditorium B

Oral communications selected from abstracts

10.40

Auditorium B

OC35

ASSESSING THE RISK OF OSTEOPOROSIS THROUGH RADIOFREQUENCY ECHOGRAPHIC MULTI SPECTROMETRY (REMS): RESULTS OF THE SCREENING CAMPAIGN IN THE ITALIAN POPULATION

Presenting author: L. Cianferotti

Authors: L. Cavalli, F. Giusti, G. Gronchi, C. Signorini, P. Pisani, M. L. Brandi

10.50

Auditorium B

OC36

ADVANCED 3D REGISTRATION FOR MONITORING PERIPHERAL BMD AND BMC CHANGES IN GROWING BONES IN CHILDREN

Presenting author: K. Engelke

Authors: A. Friedberger, O. Museyko, H. Genant

11.00

Auditorium B

OC37

CLUSTER ANALYSIS OF HIGH RESOLUTION PERIPHERAL QUANTITATIVE COMPUTED TOMOGRAPHY PARAMETERS IDENTIFIES BONE PHENOTYPES ASSOCIATED WITH HIGH RATES OF PREVALENT FRACTURE

Presenting author: M. H. Edwards

Authors: L. D. Westbury, C. Cooper, E. M. Dennison, K. A. Ward

11.10

Auditorium B

OC38

EFFECT OF TNF INHIBITORS ON BONE MICROARCHITECTURE IN PATIENTS WITH ANKYLOSING SPONDYLITIS: A LONGITUDINAL STUDY BASED ON HIGH-RESOLUTION PERIPHERAL QUANTITATIVE BASED (HRPQCT)

Presenting author: N. Nigil Harron

Authors: R. Inman, E. Szabo, A. M. Cheung

11.20

Auditorium B

OC39

ARTHRITIS ACROSS EDUCATION, INCOME AND RACE/ETHNICITY, AND THE MODERATING ROLE OF CHILDHOOD MAL TREATMENT: DATA FROM THE NATIONAL EPIDEMIOLOGICAL SURVEY ON ALCOHOL AND RELATED CONDITIONS (NESARC)

Presenting author: S. L. Brennan-Olsen

Authors: T.L. Taillieu, S. Turner, J. Bolton, S.E. Quirk, F. Gomez, R.L. Duckham, S.M. Hosking, G. Duque, D. Green, T.O. Afifi

SUNDAY APRIL 22 - ICE Congress Centre

11.30

Auditorium B

Plenary Lecture 10

- *Combined and sequential therapies in osteoporosis* Michael R. McClung

12.00 - 13.00

NON-SPONSORED SYMPOSIA

Meeting Room 7

Autoimmune Sarcopenia

Chairperson: Mislav Radić

- *Autoimmune sarcopenia – current knowledge and perspective* Mislav Radić
- *Risk of sarcopenia in rheumatoid arthritis patients* Tonko Vlak
- *Risk of sarcopenia in systemic lupus erythematosus patients* Miroslav Mayer

Meeting Room 6

Rational approach to osteoporosis in Turkey

Chairpersons: Berrin Durmaz, Sema Oncel

- *Approach of Turkish Physicians to Osteoporotic Vertebral Fractures* Ozlen Peker
- *Hidden Problem: Osteoporotic Vertebral Fractures* Yesim Gokce Kutsal
- *Medical Treatment of Osteoporosis* Ozlem El
- *Orthoses and Exercises for Osteoporotic Vertebral Fractures* Funda Calis
- *FRAX Study with Calcaneal Ultrasound in Turkish Postmenopausal Women* Yesim Kirazli

Meeting Room 5

Non-irradiating evaluation of bone mineral mass at peripheral and axial sites

Chairpersons: Maria Luisa Brandi, René Rizzoli

- *Non-irradiating osteoporosis diagnosis: Technologies description* Francesco Conversano
- *An international clinical experience* Adolfo Diez-Perez
- *Symposium take home message* Piotr Leszczynski

Meeting Room 2

Physical activity and rehabilitation in osteoporosis and sarcopenia

Chairperson: Mark Lissens

- *Adapted physical activity using gerontechnology as the solution to counteract muscle function in frail population.* Mylène Aubertin-Leheudre
- *Rehabilitation of sarcopenic elderly* Yannis Dionysiotis
- *Correlation between sarcopenia and osteoporosis in patients with post poliomyelitis syndrome* Mark Lissens

Meeting Room 1

Management of Osteoporosis in Poland

Chairperson: Edward Czerwinski

- *The review of the 2017 updated polish guidelines for the diagnosis and management of osteoporosis* Piotr Glusko
- *Management of osteoporosis in poland: calcium and vitamin D* Ewa Marcinowska-Suchowierska
- *Rac-ost-pol – population based polish epidemiologic study on postmenopausal osteoporosis* Wojciech Pluskiewicz
- *Value of T- and Z-scores in fracture prediction* Przemyslaw Borowy
- *Correlation between tbs, age and fracture in postmenopausal women* Edward Czerwinski

Meeting Room 3

Identification of vertebral fractures in Fracture Liaison Services in the UK

Chairperson: Kassim Javaid

- *The financial burden of vertebral fracture* Tim Jones
- *Understanding the clinical guidance for the identification of vertebral fractures in the UK* Sonya Stephenson

13.00

End of the Congress

SPONSORED SATELLITE SYMPOSIA

THURSDAY, APRIL 19

19.25 - 20.25

WELCOME COCKTAIL

Courtesy of:

the City of Krakow
and Mylan

FRIDAY, APRIL 20

12.15 - 13.45

Auditorium A

MYLAN SATELLITE LUNCH SYMPOSIUM

Chairpersons: Eugeniusz J. Kucharz, Jean-Yves Reginster

- ▶ *Inappropriate claims from non-equivalent medications in osteoarthritis* Luca Gallelli
- ▶ *Cost-effectiveness evaluation of glucosamine in osteoarthritis based on simulation of data coming from published studies.* Olivier Bruyère
- ▶ *Safety of anti-osteoarthritis medications: results of ESCEO Working Groups 2017* Jean-Yves Reginster
- ▶ *Discussion*

12.15 - 13.45

Auditorium B

AMGEN SATELLITE LUNCH SYMPOSIUM - OSTEOPOROSIS TREATMENT: DIVING INTO REALITIES

Chairperson: Serge Ferrari

- ▶ *Delving into real world data* Cyrus Cooper
- ▶ *What should I treat with and how?* Eugene McCloskey
- ▶ *What do my patients need to know to understand benefits and risks of osteoporosis treatments?* Thierry Thomas

17.00 - 18.30

Auditorium A

AGNOVOS HEALTHCARE SATELLITE SYMPOSIUM

Chairpersons: Jean-Yves Reginster, Serge Ferrari

- ▶ *Introduction and Agenda* Jean-Yves Reginster
- ▶ *The Burden of Osteoporosis and Hip Fracture* Eugene McCloskey
- ▶ *Current Gaps in Care for Osteoporosis at the Hip* Serge Ferrari
- ▶ *Novel Treatment to Address Pathology of OP at Hip* Mary Bouxsein
- ▶ *Recent Clinical and Patient Experience* J. De Schepper
- ▶ *Expert Panel Discussion* All
- ▶ *Audience Q&A* All

17.00 - 18.30

Auditorium B

ELI LILLY SATELLITE SYMPOSIUM - CLINICAL EFFICACY AND EFFECTIVENESS OF TERIPARATIDE: NEW RESULTS 2018

Chairperson: Cyrus Cooper

- ▶ *Welcome and Introduction* Cyrus Cooper
- ▶ *Real World Experience Results of Teriparatide Use: Pooled Analyses of Four Observational Studies* Stuart Silverman
- ▶ *New Results of the Active Comparator VERO Clinical Trial* Salvatore Minisola
- ▶ *Panel Discussion* All
- ▶ *Summary and Symposium Close* Cyrus Cooper

SPONSORED SATELLITE SYMPOSIA

SATURDAY, APRIL 21

12.15 - 13.45

Auditorium A

RADIUS HEALTH LUNCH SYMPOSIUM - OSTEOPOROSIS: THE HOW AND WHY OF DIAGNOSIS AND TREATMENT

Chairpersons: Jean-Yves Reginster, Cyrus Cooper

- ▶ *Diagnostic and treatment modalities to enhance the identification of patients at high risk for fracture*
René Rizzoli
- ▶ *Treating to Goal: Does the Sequence of Therapy Matter in Helping to Reduce Fracture Risk?*
Jean-Yves Reginster
- ▶ *Economic Aspects of OP Treatment*
Mickaël Hilgsmann

12.15 - 13.45

Auditorium B

UCB SATELLITE LUNCH SYMPOSIUM - HOW DO WE STRENGTHEN OUR APPROACH TO FRAGILITY FRACTURES?

Chairperson: Kassim Javaid

- ▶ *Strengthening our approach: where do we start?*
Kassim Javaid
- ▶ *Managing our fragility fracture patients: the urgency for action* Serge Ferrari
- ▶ *Patient perceptions: are we talking the same language?* Vivian Auyeung
- ▶ *A common language to strengthen our approach to fragility fractures* Audience collaboration
- ▶ *Closing remarks: from talk to action* Kassim Javaid

17.00 - 18.30

Auditorium B

KYOWA KIRIN SATELLITE SYMPOSIUM - REALIGNING OUR THINKING: XLH, A LIFELONG DISEASE

Chairperson: Maria Luisa Brandi

- ▶ *Introduction* Maria Luisa Brandi
- ▶ *XLH: A progressive disease* Ralf Oheim
- ▶ *Quality of life matters* Kassim Javaid
- ▶ *Challenges of managing a chronic condition*
Dieter Haffner
- ▶ *Beyond conventional therapy: addressing the unmet medical need in XLH* Agnès Linglart
- ▶ *Questions and Answers* All
- ▶ *Summary and Close* Maria Luisa Brandi

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