

FRIDAY, JUNE 28, 2019

08:15-10:00 Room 1

Hip I – “From birth to downfall”

Moderators: P. Dantas, Lisbon/PT; K. Verstraete, Ghent/BE

- 08:15 Anatomy and normal variants of the hip and pelvis
A. Heuck, Munich/DE
- 08:30 Acetabular Dysplasia (from paed to adults)
P. Rego, Lisbon/PT
- 08:45 Imaging SCFE (from paed to adults)
P. Simoni, Brussels/BE
- 09:00 Perthes and AVN (from paed to adult)
B. Vande Berg, Brussels/BE
- 09:15 Hip osteoarthritis – What the radiologist needs to know
J. Griffith, Hong Kong/HK
- 09:30 Hip replacement (THA) – What to report on plain films and CT?
M. Zanetti, Zurich/CH
- 09:45 Hip surgery – What do I need from imaging?
R. Agricola, Rotterdam/NL

08:15-10:00 Room 2

Advanced MSK imaging I

Moderators: G. Andreisek, Zurich/CH;
A. Kassirjian, Madrid/ES

- 08:15 CT resurgence in the MRI era – Low-dose, dual-energy and novel applications
A. Parkar, Bergen/NO
- 08:30 MRI and New Sequences in MSK: Are we going for resolution, time or both
P. Gondim-Teixeira, Nancy/FR
- 08:45 MSK MRI at 3T, 7T – Do we need more or is it more than enough?
G. Aringhieri, Pisa/IT
- 09:00 Cartilage: From qualitative to quantitative imaging. Are we there yet?
S. Trattnig, Vienna/AT
- 09:15 Post-operative cartilage imaging. State of the art
C. Glaser, Munich/DE
- 09:30 Post-operative joints – Normal and abnormal findings with state of the art MRI
N. Saupe, Zurich/CH
- 09:45 Functional MRI in the diagnosis of myopathy
X. Li, Wuhan/CN

10:30-12:30 Room 1

Sports subcommittee session – Upper limb

Moderators: C. Faletti, Turin/IT; J. Kramer, Linz/AT

- 10:30 Shoulder impingement, an update
M. Tzalonikou, Athens/GR
- 10:40 Rotator Cuff lesions in athletes
M. Padron, Madrid/ES
- 10:50 Shoulder instability in the athlete
P. Jungmann, Zurich/CH
- 11:00 Overuse injuries of the elbow
P. D. Afonso, Lisbon/PT
- 11:10 Elbow instability
R. Sutter, Zurich/CH
- 11:20 Specificity of sports related elbow and wrist injuries
I. Boric, Zagreb/HR
- 11:30 Sports related nerve injuries: Elbow and beyond
V. Vasilevska-Nikodinovska, Skopje/MK
- 11:40 Ulnar-sided wrist pain
A. Isaac, London/UK
- 11:50 Tendon and ligament injuries of the hand
M. Maas, Amsterdam/NL
- 12:00 Extrinsic ligaments injuries of the wrist
M. Shahabpour, Brussels/BE
- 12:10 Wrist instability
M. De Jonge, Amsterdam/NL
- 12:20 Q&A

10:30-12:30 Room 2

Intervention subcommittee session – Intervention procedures around the hip

Moderators: L. Sconfianza, Milan/IT; J. Veryser, Ghent/BE

- 10:30 Greater trochanteric pain syndrome
G. Allen, Oxford/UK
- 10:40 Imaging guided interventional technique in pudendal neuralgia
J. Gielen, Antwerp/BE
- 10:50 US guided therapeutic approach in iliopsoas impingement syndrome after THA
M. Obradov, Nijmegen/NL
- 11:00 Ischiofemoral Impingement: Is there a role for nonsurgical treatment?
R. Prada, Vigo/ES
- 11:10 Management of meralgia paraesthetica
P. Aparisi, Valencia/ES
- 11:20 Image-guided treatment of enthesitis around the pelvis
J. L. del Cura, Bilbao/ES
- 11:30 US guided intra-articular hip injection
A. Klauser, Innsbruck/AT
- 11:40 Sacroiliac joint imaging guided interventional procedures (US, fusion, fluoroscopy, CT)
M. De Dea, Feltre/IT; D. Wilson, Oxford/UK
- 11:50 Cryoablation in the hip and pelvic region
T. Le Corroller, Marseille/FR
- 12:00 Bone biopsy in the Molecular Era
D. K. Filippidis, Athens/GR
- 12:10 MR imaging guided high intensity focused ultrasound in MSK pathology
A. Bazzocchi, Bologna/IT
- 12:20 Q&A

12:30-13:00 Room 1

Opening session

14:00-16:00 Room 1

Hip II – FAI consensus session

Moderators: V. Mascarenhas, Lisbon/PT;
P. Rego, Lisbon/PT

- 14:00 Introduction
V. Mascarenhas, Lisbon/PT
- 14:10 Differential diagnoses in young patients presenting with hip or pelvis/low back pain?
S. Anderson, Vevey/CH
- 14:20 What is the minimal acceptable imaging to proper diagnose FAI morphology?
R. Lalam, Oswestry/UK
- 14:30 Radiographic evaluation of the young patient – What, when and how?
A. Karantanas, Heraklion/GR
- 14:40 MR protocol to evaluate the young hip – What to use?
R. Sutter, Zurich/CH
- 14:50 Imaging criteria for defining Cam and Pincer morphology
M. Castro, Portimao/PT
- 15:00 Reference interval values of femoral and acetabular parameters in FAI
E. Schmaranzer, St. Johann/AT
- 15:10 Labral and chondral lesions on a hip MRI – How to report?
F. Schmaranzer, Bern/CH
- 15:20 Imaging outcomes/predictors – Which should be used for FAIS?
I. Nöbauer-Huhmann, Vienna/AT
- 15:30 Imaging of the post-operative FAI patient
T. Dietrich, St. Gallen/CH
- 15:40 Role of ultrasound in FAI?
L. Sconfianza, Milan/IT
- 15:50 Q&A

14:00-15:00 Room 2

Scientific session I – Sports

Moderators: A. Alcalá-Galiano, Madrid/ES;
M. Ruprecht, Maribor/SI

- 14:00 Automatic Rib cage Unfolding with CT Cylindrical Projection Reformat in Polytraumatized Patients for Rib Fracture Detection and Characterization
A. Urbaneja, Nancy/FR
- 14:06 Fragility fractures of the pelvis and Dual – Energy CT: Can it help to improve our diagnosis
C. Hackenbroch, Ulm/DE
- 14:12 The Role of Magnetic Resonance Imaging in Scaphoid Injuries: The Scaphoid Magnetic Resonance Imaging in Trauma (SMaRT) Trial
A. Isaac, London/UK
- 14:18 Rectus femoris injuries in professional athletes – MRI analysis correlated with time interval to return to play
T. Entwisle, Melbourne/AU
- 14:24 Distal Musculotendinous T Junction Injuries of the Biceps Femoris: Time to Return to Play in Professional Australian Football League Players
T. Entwisle, Melbourne/AU
- 14:30 Do Skeletal Muscle Mass and Quality Predict Mortality in Patients With Pelvic Fractures?
A. Gallot-Lavallée, Lausanne/CH
- 14:36 The IST study: exploring the clinical strength of cervical spine CT in determining the need for stabilizing treatment in cervical spine injury
B. van der Kolk, Zwolle/NL
- 14:42 Ruptured and intact Achilles tendons – Importance of sonoelastography and introduction of novel assessment tools
I. Dumic Cule, Zagreb/HR
- 14:48 The possibilities of ultrasound in monitoring wound healing of the donor site after plasty of the anterior cruciate ligament
T. Serebryak, Saint Petersburg/RU
- 14:54 The value of digital radiography in acute spinal trauma. A retrospective analysis and literature review.
M. Mullins, Galway/IE

15:00-16:00 Room 2**Scientific session II – Miscellaneous/Arthritis***Moderators: M. Adriaensen, Heerlen/NL;**A. Navas, Leiden/NL*

- 15:00 Complications following percutaneous bone cryoablation: Retrospective analysis of 239 consecutive patients
P. Auloge, Strasbourg/FR
- 15:06 Metal artefact and dose reduction in CT imaging with orthopaedic implants: A comparison study of different available CT techniques
C. Hackenbroch, Ulm/DE
- 15:12 Precision of Periprosthetic Bone Mineral Density Around Total Ankle Replacement Using Dual Energy X-ray Absorptiometry
G. Platania, Gravina Di Catania/IT
- 15:18 The fat mass does not influence Precision Error of Trabecular Bone Score: an in vivo study
I. Vicentin, Milan/IT
- 15:24 Prevalence of pseudoerosions and morphology of joint capsules and recesses of the hand and wrist: ultrasound findings in 100 asymptomatic volunteers
A. Falkowski, Basel/CH
- 15:30 Identification of bone marrow edema and osteochondral injuries of the knee: Diagnostic accuracy of dual-energy CT and virtual non-calcium techniques
G. Foti, Negrar/IT
- 15:36 Lumbosacral transitional vertebrae are associated with lumbar degeneration: Evaluation of 3855 consecutive abdominal CT scans
J. Hanhivaara, Oulu/FI
- 15:42 The role of MR imaging in complex regional pain syndrome revisited
C. Agten, Zurich/CH
- 15:48 A preliminary MRI Study on Sacroiliac Joint Anatomy: Does morphology matter?
Z. Akkaya, Ankara/TR
- 15:54 T2 mapping of the sacroiliac joints at 1.5 T can identify patients with spondyloarthritis
D. Albano, Milan/IT

16:30-18:00 Room 1**ESSR meets Spain & Brazil****Sports pathology – lower limb beyond the hip***Moderators: E. Llopis, Valencia/ES;**V. Mascarenhas, Lisbon/PT; A. Vieira, Porto/PT*

- 16:30 Impingement of the ankle
A. Perez, Caracas/ES
- 16:40 Ankle sprain
O. Casado, Bilbao/ES
- 16:50 Lisfranc injury
J. Carrascosa, Madrid/ES; E. Llopis, Valencia/ES
- 17:00 Adaptative findings in the athlete in the lower limb
F. Idoate, Pamplona/ES
- 17:10 Normal variants of the ankle and foot
A. Aihara, São Paulo/BR
- 17:20 Plantar fascia
A. Skaf, São Paulo/BR
- 17:30 Osteochondral injuries of the ankle
A. Aihara, São Paulo/BR
- 17:40 Plantar plate
A. Skaf, São Paulo/BR
- 17:50 Q&A

16:30-18:30 Room 2**Young Club session – Learning with the masters***Moderators: R. Arkun, Ankara/TR; I. Beggs, Edinburgh/UK*

- 16:30 Presentation of M.AVATAR project
F. Kainberger, Vienna/AT; M. Maas, Amsterdam/NL
- 16:45 Anatomy landmarks and how to perform US of the hip – Live demo
C. Martinoli, Genoa/IT
- 17:15 Hip x-ray – How to read with clinical cases
G. Guglielmi, Foggia/IT
- 17:30 Hip CT trauma – How to read with clinical cases
M. Maas, Amsterdam/NL
- 17:50 Hip MRI – How to read & clinical cases
A. Karantanas, Heraklion/GR
- 18:10 Clinical case resolution
F. Kainberger, Vienna/AT

SATURDAY, JUNE 29, 2019

08:15-10:00 Room 1

Advanced MSK imaging II – Egas Moniz session

Moderators: F. Del Grande, Lugano/CH;
O. Kubassova, Leeds/UK

- 08:15 What is AI? The basics about Artificial Intelligence and Deep Learning
M. Recht, New York/US
- 08:30 The impact of AI in patient care and on radiology
J. Visser, Rotterdam/NL
- 08:45 AI and MSK imaging – Current And Future Applications
A. Hirschmann, Basel/CH
- 09:00 Software applications in MSK – What are they and how to use them?
I. Vallines, Madrid/ES
- 09:15 3D printing and Virtual Reality in MSK
C. Agten, Zurich/CH
- 09:30 Whole body MRI – Non oncology applications
K. Vilanova, Girona/ES
- 09:45 Global challenges for MSK cancer imaging
M. Reiser, Munich/DE

08:15-10:00 Room 2

Hip III – Non FAI hip and pelvis

Moderators: K. Bohndorf, Vienna/AT;
J. Vidal, Birmingham/US

- 08:15 CT/MR arthrography top tips and tricks
M. Taljanovic, Tucson/US
- 08:30 Bone Marrow oedema syndromes
M. Klontzas, London/UK
- 08:45 Extrarticular impingement syndromes
U. Aydingoz, Ankara/TR
- 09:00 Deep gluteal syndrome – What is it and how to assess it?
M. Hernandez, Santander/ES
- 09:15 Greater trochanteric pain syndrome and the snapping hip
L. Steinbach, San Francisco/US
- 09:30 Athletic pubalgia and tendon pathology, an update
A. Zoga, Philadelphia/US
- 09:45 Top tips to reduce metal artifacts in CT and MRI
C. Pfirrmann, Zurich/CH

10:30-12:30 Room 1

Arthritis subcommittee session

Moderators: A. Feydy, Paris/FR; C. Giraudo, Padova/IT

- 10:30 Imaging in rheumatoid arthritis: Tips, tricks and pitfalls
M. Korteweg, Brielle/NL
- 10:40 Synovial proliferation in the hip: Tips, tricks and pitfalls
J. Teh, Oxford/UK
- 10:50 Calcium crystal arthritis: Tips, tricks and pitfalls
F. Becce, Lausanne/CH
- 11:00 Imaging in gout: Tips, tricks and pitfalls
I. Sudol-Szopinska, Warsaw/PL
- 11:10 Bone marrow oedema in the spine: Inflammatory disease or not?
W. Rennie, Leicester/UK
- 11:20 Bone marrow oedema of the SI joint: Sacroiliitis or not?
M. Reijnen, Leiden/UK
- 11:30 Hip inflammation: How I reach a specific diagnosis
C. Weidekamm, Vienna/AT
- 11:40 Hip: Misleading periarticular inflammatory conditions
A. Cotten, Lille/FR
- 11:50 Hip: Arthrosis or arthritis?
N. Egund, Aarhus C/DK
- 12:00 New techniques: The SI joint as you have never seen it before
L. Jans, Ghent/BE
- 12:10 Q&A

10:30-12:30 Room 2

Tumours subcommittee session – A survival guide for the radiologist

Moderators: G. Astrom, Uppsala/SE;
I. Beggs, Edinburgh/UK

- 10:30 Keeping patients with bone and soft tissue lesions out of trouble and the radiologist out of court
H. Bloem, Leiden/NL
- 10:40 Reporting the relationship of tumours to critical structures around the pelvis
F. Vanhoenacker, Antwerp/BE
- 10:50 Reporting hip fracture risk – Mirel's score and beyond
R. Mansour, Oxford/UK
- 11:00 Primary osseous tumours of the sacrum
A. Baur-Melnyk, Munich/DE
- 11:10 Pseudo-tumours of bone in the native hip and pelvis
P. O'Donnell, London/UK
- 11:20 Diagnosing soft tissue pseudotumours in the native hip and pelvis
J. Martel Villagran, Madrid/ES
- 11:30 Differentiating pseudotumours from tumours around hip prostheses – State of the art imaging
J. Fritz, Baltimore/US
- 11:40 Identifying incidental PET positive non-tumorous lesions in the pelvis and their differentiation
M. A. Weber, Rostock/DE

- 11:50 CT and MR based texture analysis of cartilaginous bone tumours
B. Fritz, Zurich/CH
- 12:00 MR-derived radiographs/CT-like data sets in bone tumours
K. Wörtler, Munich/DE
- 12:10 Whole body MRI for primary and secondary bone tumours – When and how should I do it?
F. Lecouvet, Brussels/BE
- 12:20 Q&A

12:30-13:00 Room 1

Honorary Session

12:30-13:30 Room 3

Thieme Writers Workshop

Introduction

L. Bancroft, Orlando/US
Getting Started on Your Research Paper
T. Miller, New York/US

Review – Type Manuscripts – Focusing Your Topic and Optimizing Your Images
L. Bancroft, Orlando/US

Common Errors in Manuscript Preparation

W. Peh, Singapore/SG

Questions and Answers

Separate registration via office@essr.org compulsory

14:00-15:00 Room 1

Scientific session III – Artificial Intelligence

Moderators: S. Duarte, Lisbon/PT;
I. Engele, Riga/LV

- 14:00 Automatic MRI-based 3D models of hip cartilage using a 3D U-net-like fully convolutional network for improved morphologic and biochemical analysis
F. Schmaranzer, Bern/CH
- 14:06 MRI-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in femoroacetabular impingement
F. Schmaranzer, Bern/CH
- 14:12 Next-generation 5-min knee MRI with combined simultaneous multi-slice and parallel imaging acceleration: Ready for prime time?
F. Del Grande, Lugano/CH
- 14:18 Deep learning for the automatic quantification of rotator cuff muscle degeneration from shoulder CT datasets
S. Eminian, Lausanne/CH

- 14:24 Machine learning classification of low-grade and high-grade chondrosarcomas based on magnetic resonance imaging-based texture analysis
S. Gitto, Milan/IT
- 14:30 Diffusion tensor imaging with quantitative evaluation of sciatic nerve within the pelvis in Patients with non-contributory lumbar spine magnetic resonance imaging in radiculopathy
M. Catania, Verona/IT
- 14:36 Artificial Intelligence to Grade Hip Osteoarthritis Features on Radiographs
C. von Schacky, San Francisco/US
- 14:42 Machine learning classification of spinal lesions: Compared accuracy of texture parameters extracted by different software
V. Chianca, Milan/IT
- 14:48 Proton Magnetic resonance spectroscopy as a novel quantitative method for osteoporosis detection
P. Menshchikov, Moscow/RU
- 14:54 Automatic Bone Age Determination Using Wrist MRI Based on FIFA Grading System for Athletes: Deep Learning Approach
M. Fatehi, Teheran/IR

14:00-15:00 Room 2

Young Club session – Learning with the peers

Moderators: E. McNally, Oxford/UK;
V. Pullicino, Oswestry/UK

- 14:00 Developmental dysplasia of the hip – US
I. Kilsdonk, Amsterdam/NL
- 14:10 Nerve pathology around the hip
Z. Snoj, Ljubljana/SI
- 14:20 Heterotopic ossification around the hip
A. Caetano, Lisbon/PT
- 14:30 Lumps and bumps around the hip
A. C. Vieira, Porto/PT
- 14:40 Radiographs of the post-operative hip: A primer
D. Dalili, London/UK
- 14:50 Q&A

14:00-15:00 Room 3

Scientific session IV – Anatomy/Oncology

Moderators: I. S. Örgüç, Manisa/TR;
P. Rabaça, Coimbra/PT

- 14:00 A Tale of Twos: Dual-energy CT (DECT), an Indispensable Metal Artefact Reduction Tool Around Implants: A Multi-centre Experience From Two Primary & Revision Hip Arthroplasty Units
D. Dalili, London/UK

Hip & Advanced MSK Imaging
ESSR 2019
MUSCULOSKELETAL
RADIOLOGY
JUNE 26-29, LISBON/PORTUGAL

- 14:06 Challenges of Recruitment to Interventional MSK Oncology in Palliative Care – Focus on MRI guided High intensity focussed ultrasound (MRg-HIFU) for Treating Skeletal Metastasis
D. Dalili, London/UK
- 14:12 Supraspinatus and Infraspinatus tendon tears: new insights from recent anatomic studies
A. Patel, Madison/US
- 14:18 Superficial sensitive nerves of the Upper Limb: Anatomy, US scanning technique and pathology.
R. Picasso, Genova/IT
- 14:24 MRI follow up in recurrent Aggressive Fibromatosis: a study from a German Sarcoma Center
S. Sedaghat, Bochum/DE
- 14:30 Contrast ratio of myeloma focal lesions relative to surrounding bone marrow is higher on T2-weighted Dixon images than on T1-weighted images
S. Aubry, Besancon/FR
- 14:36 Giant cell tumor of bone after Denosumab chemotherapy mimics Osteosarcoma
V. Jhanwar, Pune/IN
- 14:42 CT evaluation of sarcopenia in patients with and without malignant tumor: Psoas muscle density as a biomarker
S. Ivanoski, Ohrid/MD
- 14:48 Potential Use of a Diluted High-relaxivity Gadolinium-based Intra-articular Contrast Agent for Magnetic Resonance Arthrography: An In-vitro Study
F. Ferrari, Milan/IT
- 14:54 Cost-effectiveness of x-ray vs MRI for early sacroiliitis
N. Gorelik, New York/US

15:00-16:00 Room 1

Osteoporosis and metabolism subcommittee session

Moderators: A. Bazzocchi, Bologna/IT; C. Phan, Paris/FR

- 15:00 Bone marrow oedema around the hip: Differential diagnosis
T. Link, San Francisco/US
- 15:20 Bone quality impairment and hip fractures
N. Sabir, Denizli/TR
- 15:30 Periprosthetic fractures: Basic and advanced diagnostic techniques
C. Krestan, Vienna/AT
- 15:40 Advanced techniques in assessing bone strength: An update
C. Messina, Milan/IT
- 15:50 Case presentation
P. Aparisi Gomez, Valencia/ES; F. Aparisi Rodriguez, Valencia/ES

15:00-16:00 Room 2

International session – Discovering new worlds

Moderators: F. Kainberger, Vienna/AT; A. Vieira, Porto/PT

- 15:00 Sports-related injuries in paediatric patients
L. Bancroft, Orlando/US
- 15:10 The thumb in review
P. Lucas, Sydney/AU
- 15:20 Measuring body composition: Comparison of methods
X. Cheng, Beijing/CN
- 15:30 MR Neurography and nerve entrapment around the pelvis
M. Prakash, Chandigarh/IN
- 15:40 New Insights into FAI based on our FIRST trial
H. Choudur, Hamilton/CA
- 15:50 Q&A

16:30-16:40 Room 1

Outlook ESSR 2020

16:40-17:30 Room 1

ESSR Quiz

- A. Alcala-Galiano, Madrid/ES*
M. Angeles Fernandez Gil, Badajoz/ES
A. Garcia, Barcelona/ES
E. Llopis, Valencia/ES

