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 paeds to adults)
P. Rego, Lisbon/PT
08:45  Imaging SCFE (from paeds to adults)
P. Simoni, Brussels/BE
09:00  Perthes and AVN (from paeds 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; P. Dantas, Lisbon/PT; K. Verstraete, Ghent/BE
08:15  CT resurgence in the MRI era – Low-dose, dual-energy and novel applications
E. Schmaranzer, Bern/CH
08:30  MRI and New Sequences in MSK: Are we going for a CT resurgence in the MRI era – Low-dose, dual-energy and novel applications?
P. Simoni, Brussels/BE
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R. Agricola, Rotterdam/NL

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. Trafolioni, 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  Ovverse 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
J. Boric, Zagreb/HR
11:30  Sports related nerve injuries: Elbow and beyond
V. Vasileva-Nikodinova, Skopje/MK
11:40  Ulnar-sided wrist pain
A. Issac, 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. Sconfienza, 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. De Groot, Nijmegen/NL
11:00  Ischiofemoral impingement: Is there a role for nonsurgical treatment?
R. Prado, Unna/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. Klausner, Innsbruck/AT
11:40  Sacroiliac joint imaging guided intervention 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. Filippiadis, Athens/GR
12:10  MRI imaging guided high intensity focused ultrasound in MSK pathology
A. Baziochi, 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 minimum 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
P. Nibauer-Huthmann, Vienna/AT
15:10  Labral and chondral lesions on a hip MRI – How to report?
F. Schmaranzer, Beni/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/AT
15:40  Role of ultrasound in FAI?
L. Sconfienza, Milan/IT
15:50  Q&A

14:00-15:00  Room 2

Scientific session I – Sports
Moderators: A. Alcala-Galiano, Madrid/ES; M. Rauhreit, 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 Bicep 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 injury
B. van der Kolk, Zwolle/NL
14:42  Ruptured and intact Achilles tendons – Importance of sonoelastography and introduction of novel assessment tools
J. Dunic Cule, Zagreb/HR
14:48  The possibilities of ultrasound in monitoring wound healing of the donor site after plasty of the anterior cruciate ligament
P. Serentyak, 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. Foli, Negar/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. Carascosa, Madrid/ES; E. Llopis, Valencia/ES
17:00 Adaptive 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; J. Vidal, Birmingham/US
08:15  CT/MR arthrography top tips and tricks
J. Vidal, Birmingham/US
08:30  The impact of AI in patient care and on radiology
J. Vaser, 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. Valines, Madrid/ES
09:15  3D printing and Virtual Reality in MSK
M. Hernando, Santander/ES
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; M. Reiser, Munich/DE
08:15  What is AI? The basics about Artificial Intelligence
Moderators: F. Del Grande, Lugano/CH; A. Feydy, Paris/FR
08:20  AI and MSK imaging – Current And Future Applications
A. Hirschmann, Basel/CH
08:30  Hip III – Non FAI hip and pelvis
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08:15-10:00   Room 3
Arthritis subcommittee session
Moderators: A. Feydy, Paris/FR; C. Giraudo, Padova/IT
10:30  Imaging in rheumatoid arthritis: Tips, tricks and pitfalls
M. Korteweeg, 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
J. 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: Sarcoiditis or not?
M. Reineier, 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: Arthritis 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

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10:30-12:30   Room 2
Tumours subcommittee session – A survival guide for the radiologist
Moderators: G. Aström, 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
I. Kilsdonk, Amsterdam/NL
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. Martinez 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
Thieme Writers Workshop
Introduction
L. Bancroft, Orlando/US
Getting Started on Your Research Paper
L. Bancroft, Orlando/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
14:10  Diffusion tensor imaging with quantitative magnetic resonance imaging in radiculopathy
I. Kilsdonk, Amsterdam/NL
14:20  Radiographs of the post-operative hip: A primer
P. O’Donnell, London/UK
14:30  Imaging in rheumatoid arthritis: Tips, tricks and pitfalls
M. Reineier, Leiden/UK
14:40  Deep learning for the automatic quantification of rotator cuff muscle degeneration from shoulder CT datasets
S. Eminian, Lausanne/CH
14:50  Q&A

14:00-15:00   Room 2
Young Club session – Learning with the peers
Moderators: E. McNally, Oxford/UK; V. Pulicicco, Oswestry/UK
14:00  Developmental dysplasia of the hip – US
I. Kilsdonk, Amsterdam/NL
14:10  Nerve pathology around the hip
A. Cotten, Lille/FR
14:20  Heterotopic ossification around the hip
Z. Snij, Liubliana/SI
14:30  Bone marrow oedema syndromes
M. Klontzas, London/UK
14:40  Bone marrow oedema syndromes
M. Klontzas, London/UK
14:50  Q&A

14:00-15:00   Room 3
Scientific session IV – Anatomy/Oncology
Moderators: I. S. Oglic, Maribor/SI; P. Rabaça, Coimbra/PT
14:00  MDCT- and MR-based 3D models of the pelvis can replace CT-based 3D models for range of motion analysis in femoroacetabular impingement
F. Schmaranzer, Bern/CH
14:10  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
14:20  Next-generation 5-min knee MRI with combined simultaneous multi-slice and parallel imaging acceleration: Ready for prime time?
F. Del Grande, Lugano/CH
14:30  Machine learning classification of low-grade and high-grade chondrosarcomas based on magnetic resonance imaging-based texture analysis
S. Gitti, Milano/IT
14:40  Diffusion tensor imaging with quantitative evaluation of sciatic nerve within the pelvis in Patients with non-contributory lumbar spine magnetic resonance imaging in radiology
M. Catania, Verona/IT
14:50  Proton Magnetic resonance spectroscopy as a novel quantitative method for osteoporosis detection
P. Menshchikov, Moscow/ RU
15:00  Proton Magnetic resonance spectroscopy as a novel quantitative method for osteoporosis detection
P. Menshchikov, Moscow/ RU

14:00-15:00   Room 3
Honorary Session
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<tr>
<th>Time</th>
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<th>Room 1</th>
<th>Room 2</th>
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<tbody>
<tr>
<td>14:06</td>
<td>Challenges of Recruitment to Interventional MSK Oncology in Palliative Care – Focus on MRI guided High intensity focussed ultrasound (MRg-HIFU) for Treating Skeletal Metastasis</td>
<td>D. Dalili, London/UK</td>
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<td>14:12</td>
<td>Supraspinatus and Infraspinatus tendon tears: new insights from recent anatomic studies</td>
<td>A. Patel, Madison/US</td>
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<td>14:18</td>
<td>Superficial sensitive nerves of the Upper Limb: Anatomy, US scanning technique and pathology</td>
<td>R. Picasso, Genova/IT</td>
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<td>14:24</td>
<td>MRI follow up in recurrent Aggressive Fibromatosis: a study from a German Sarcoma Center</td>
<td>S. Sedaghat, Bochum/DE</td>
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<td>14:30</td>
<td>Contrast ratio of myeloma focal lesions relative to surrounding bone marrow is higher on T2-weighted Dixon images than on T1-weighted images</td>
<td>S. Aubry, Besançon/FR</td>
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<td>14:36</td>
<td>Giant cell tumor of bone after Denosumab chemotherapy mimics Osteosarcoma</td>
<td>V. Jhanwar, Pune/IN</td>
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<td>14:42</td>
<td>CT evaluation of sarcopenia in patients with and without malignant tumor: Psoas muscle density as a biomarker</td>
<td>S. Ivanoski, Ohrid/MD</td>
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<td>14:48</td>
<td>Potential Use of a Diluted High-relaxivity Gadolinium-based Intra-articular Contrast Agent for Magnetic Resonance Arthrography: An In-vitro Study</td>
<td>F. Ferrari, Milan/IT</td>
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<td>14:54</td>
<td>Cost-effectiveness of x-ray vs MRI for early sacroiliitis</td>
<td>N. Gorelik, New York/US</td>
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<td>15:00</td>
<td>Bone marrow oedema around the hip: Differential diagnosis</td>
<td>T. Link, San Francisco/US</td>
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<td>15:20</td>
<td>Bone quality impairment and hip fractures</td>
<td>N. Sabir, Denizli/TR</td>
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<td>Periprosthetic fractures: Basic and advanced diagnostic techniques</td>
<td>C. Krestan, Vienna/AT</td>
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<td>15:40</td>
<td>Advanced techniques in assessing bone strength: An update</td>
<td>C. Messina, Milan/IT</td>
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<td>15:50</td>
<td>Case presentation</td>
<td>P. Aparisi Gomez, Valencia/ES; F. Aparisi Rodriguez, Valencia/ES</td>
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