

For all
workshops:
Separate
registration
required!

ROOM 1

ULTRASOUND WORKSHOP

11:30-13:30

Anatomy Live Demos: Elbow, forearm: muscles, tendons and nerves

Moderators: Lionel Pesquer, Merignac/FR & Athena Plagou, Athens/GR

- » Lateral Epicondyle, extensor muscles of the forearm and extensor tendons of the wrist
Philippe Meyer & Lionel Pesquer, Merignac/FR
- » Medial Epicondyle, flexor muscles of the forearm and flexor tendons of the wrist-biceps
Andrew Grainger, Cambridge/UK & Raquel Prada, Vigo/ES
- » Ligaments of the elbow
Carlo Martinoli & Riccardo Picasso, Genoa/IT
- » Median and branches
Domenico Albano & Carmelo Messina, Milan/IT
- » Ulnar nerve and branches
Athena Plagou, Athens/GR & Žiga Snoj, Ljubljana/SI
- » Radial nerve and branches
Eugene McNally, Oxford/UK & Davide Orlandi, Genoa/IT

13:30-15:00 Coffee Break

14:00-15:15

Hands-on (Group A)

- » Elbow tendons, forearm muscles (beginner group)
- » Nerves around the elbow and forearm, ligaments (advanced group)

Video Lectures (Group B)

Moderators: Andrea Klausner, Innsbruck/AT & Philippe Meyer, Merignac/FR

- » Distal Biceps Tendon (Examination and Tears)
Emma Rowbotham, Leeds/UK
- » Epicondylitis: findings and differential diagnosis
Harun Gupta, Leeds/UK
- » Cubital tunnel syndrome
James Teh, Oxford/UK
- » Other nerve entrapment syndromes around the elbow and the forearm
Luca Maria Sconfienza, Milan/IT
- » US-guided injections of elbow tendons and nerves
Evangelia Vassalou, Heraklion/GR

15:15-15:30 Break – Group change

15:30-16:45

Hands-on (Group B)

- » Elbow tendons, forearm muscles (beginner group)
- » Nerves around the elbow and forearm, ligaments (advanced group)

Video Lectures (Group A)

Moderators: Monique Reijniers, Leiden/NL & Winston Rennie, Leicester/UK

- » Distal Biceps Tendon (Examination and Tears)
Emma Rowbotham, Leeds/UK
- » Epicondylitis: findings and differential diagnosis
Harun Gupta, Leeds/UK
- » Cubital tunnel syndrome
James Teh, Oxford/UK
- » Other nerve entrapment syndromes around the elbow and the forearm
Luca Maria Sconfienza, Milan/IT
- » US-guided injections of elbow tendons and nerves
Evangelia Vassalou, Heraklion/GR

16:45-17:00 Break

Next to lectures and on-stage live demonstrations, participants are offered Hands-On training in small groups to allow interactive and tailored teaching. Tutors by ESSR will act as facilitators for the Hands-On Demonstrations, offering advice and help. Equipment will kindly be provided by industry partners.

ROOM 2

WORKSHOPS

12:00-14:30

ESSR meets EUSOMII – Artificial Intelligence

Aim

- » enhancing AI visibility and awareness
- » helping youngsters to engage in AI
- » tightening bonds between ESSR and EUSOMII (European Society of Medical Imaging Informatics)

Workshop Organiser

Prof. Dr. Mario Maas, ESSR Vice-President
Amsterdam University Medical Centers, Dept of Radiology and Nuclear medicine, Amsterdam, Netherlands

Delegates

This workshop targets ESSR members, interested in development and progress of AI within radiology.

Especially younger members will be encouraged to attend and join the discussions.

Limit: 60 delegates

Programme Outline

Moderators: Antoine Feydy, Paris/FR & Mario Maas, Amsterdam/NL

- 12:00 AI applications in MSK imaging
Antoine Feydy, Paris/FR
- 12:20 Added value of AI in radiology: What have we learned and where are we heading?
Merel Huisman, Utrecht/NL
- 12:40 AI applications in musculoskeletal trauma imaging: Aid or pain for the radiologist?
Benoit Rizk, Villars-sur-Glane/CH
- 13:00 Discussion, Q&A
- 13:15 Radiomics in Chondrosarcoma
Salvatore Gitto, Milan/IT
- 13:25 Explainable AI
Arjan Groen, Amsterdam/NL*
- 13:35 AI and communication
Astrid Krabbe-Juelsbo Galsgaard, Copenhagen/DK
- 13:45 Discussion, Q&A
- 14:00 The dual face of AI: Playmate or killjoy?
Erik Ranschaert

US WORKSHOP

CME Accreditation confirmed! Granted 5 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

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ROOM 1

17:00-18:00

Rapid Fire Lectures: Ultrasound in post-operative assessment

Moderators: Christina Hauenstein, Rostock/DE & Lionel Pesquer, Merignac/FR

- » Ultrasound after rotator cuff repair: Normal post-operative findings, complications and re-tear patterns
Ramy Mansour, Oxford/UK
- » Ultrasound after hip arthroplasty: Normal post-operative findings, complications, iliopsoas impingement
Miraude Adriaensen, Heerlen/NL
- » Complications following metal implantation
Emma Gerety, Cambridge/UK
- » Ultrasound of post-operative (iatrogenic) nerve traumas: Patterns of neural traumas, location of iatrogenic neuromas
Elena Drakonaki, Heraklion/GR
- » Ultrasound of post-operative carpal tunnel syndrome: Normal post-operative findings, complications, recurrence
Andrea Klauser, Innsbruck/AT
- » Post-operative Ultrasound evaluation of hand flexor tendon injuries: Normal post-operative findings and signs of re-tears
Federico Zaottini, Genoa/IT

ROOM 2

15:30-18:00

Spondyloarthritis or not?

A workshop to get relevant hands-on experience

Description: Typical findings of axial SpA in different imaging modalities will be addressed using interactive cases-discussion. You bring your own laptop and we provide you a PACS-like environment to have a look at each case before we will solve it together. The adequate SIJ and spine protocols for each case as well as the role of advanced MR imaging will be discussed. With a mixture of clear-cut and more challenging cases, the main differential diagnoses will also be reviewed.

As a bonus, the typical findings of juvenile-SpA at imaging, including similarities and differences with adults will be discussed using case studies. Characteristics of age-related features at imaging, which may affect the assessment of pediatric patients, will be examined.

Organisers: Chiara Girardo, Padova/IT; Lennart Jans, Ghent/BE

Faculty: Nele Herregods, Ghent/BE; Wouter Huysse, Ghent/BE; James Teh, Oxford/UK

Programme Outline

15:30

Introduction to the Workshop

15:45

Protocols and typical SIJ and spine findings.

Objectives: optimise the MR SIJ and spine protocols for SpA and gain knowledge about the typical findings of SpA in adults. By a real-time interactive feedback format, participants by the end of the session will be able to identify the main abnormalities affecting the SIJ and the spine in early and advanced SpA.

Coffee Break 16:45-17:00

17:00

Main Differential diagnoses

Objectives: Characterise the abnormalities of diseases which could mimic SpA. By the end of the sessions, participants will distinguish between SpA and other diseases such as osteomyelitis, osteitis condensans ilii, DISH, and degenerative diseases.

17:40

Juvenile-SpA

Objectives: to recognise the main findings of juvenile-SpA at imaging. By interactive case discussion, the key terms and classification criteria of juvenile-SpA will be addressed. By the end of this session, participants will know the similarities and differences between juvenile-SpA and SpA in adults. Typical age-related features at imaging which could represent a diagnostic challenge will also be discussed.

18:20

Remarks and conclusion

Participants: 30

Participants will engage using their laptops/tablets under the guidance of the moderators. All content of the workshop will be case-based.

Organisational aspects:

- Participants are asked to bring their own laptop
- The cases can be viewed on your own laptop in a PACS like environment. Practical details will be provided well before the workshop for your convenience.

**CME ACCREDITATION
CONFIRMED!**

Granted 12 European CME credits (ECMEC[®]s) by the European Accreditation Council for Continuing Medical Education (EACCME[®]).

ROOM 1

ROOM 2

08:00-09:30

Inauguration ESSR 2022

Moderators: *Eva Llopis, Alzira-Valencia/ES & Marc-André Weber, Rostock/DE*

- » Welcome from Society President & Congress President
Marc-André Weber/Eva Llopis
- » Welcome from Major
Claus-Ruhe Madsen, Rostock/DE
- » Welcome from Rector of the University of Rostock
Prof. Dr. Wolfgang Schareck, Rostock/DE
- » The future of radiology – will we be replaced by AI?
Maximilian F. Reiser, Munich/DE
- » What nuclear medicine can offer for MSK radiology?
Bernd Krause, Rostock/DE

Honorary Ceremony

- » Honorary Membership for Mark Davies
Laudator: Victor Cassar-Pullicino
- » Honorary Membership for Adam Mester
Laudator: Franz Kainberger, Vienna/AT

09:30-11:00

Monitoring treatment response of systemic diseases

Moderators: *Andrea Klauser, Innsbruck/AT & Adam Mester, Budapest/HU*

- » Current role of plain film in monitoring arthritis/Quantifying methods for monitoring systemic diseases
Franz Kainberger, Vienna/AT
- » Monitoring modern treatment response in arthritis – findings in MRI and ultrasound
Monique Reijnierse, Leiden/NL
- » Seronegative SpA and its treatment monitoring
Iwona Sudol-Szopinska, Warszawa/PL
- » How to monitor musculoskeletal manifestations of neurofibromatosis type-1 and other syndromes
Milko de Jonge, Amsterdam/NL
- » DECT in diagnosing and monitoring crystal deposition arthritis
Jans Lennart, Ghent/BE
- » Discussion, Q&A

11:00-11:30 Coffee Break

11:30-13:00

Healing of musculoskeletal injuries

Moderators: *Bastian Kwaan, Rostock/DE & Christian Plathow, Baden-Baden/DE*

- » Assessment of bone healing
Guillaume Bierry, Strasbourg/FR
- » Delayed fracture healing (View of orthopedic surgeons)
Sascha Maurice Groß, Pforzheim/DE
- » Assessment on healing of muscle tears
Philip Robinson, Leeds/UK
- » Assessment of tendon healing: From sutures to PGF
Silvia Martin, Palma de Mallorca/ES
- » Assessment of cartilage repair techniques
Frank Roemer, Erlangen/DE
- » Discussion, Q&A

13:00-14:00 Lunch Break

13:10-14:00

Industry sponsored symposium

09:30-11:00

Pediatric subcommittee MSK Session

Moderators: *Nele Herregods, Ghent/BE & Patrick Omoumi, Lausanne/CH*

- » Particularities of treatment planning and post treatment imaging in paediatric trauma
Javier Arnáiz, Doha/QA
- » Paediatric foot: Fundamental knowledge
Emilio Jose Inarejos Clemente, Barcelona/ES
- » Scoliosis – from every angle. How, when and why to measure.
Alessandro De Leucio, Laeken/BE
- » ESSR-ESPR paediatric MSK lecture: Imaging of the paediatric hip: An update
Paolo Simoni, Brussels/BE
- » Novelties in SCFE imaging
Riccardo De Angelis, Brussels/BE
- » Tiny MSK – evaluation of the skeletal system in utero
Pilar Aparisi Gomez, Valencia/ES
- » Guest lecture: Cases I cannot forget
Matina Boitsios, Vilvoorde/BE
- » Discussion, Q&A

11:00-11:30 Coffee Break

11:30-13:00

MSK subcommittee – Intervention Subcommittee Session

Moderators: *Miraude Adriaensen, Heerlen/NL & Dimitrios Filippiadis, Athens/GR*

- » US-guided nerve infiltration for post herniorrhaphy pain syndrome
Elena Drakonaki, Heraklion/GR
- » Short and long term imaging in lavage of calcific rotator cuff tendinopathy: Typical findings and complications
Raquel Prada, Vigo/ES
- » Bone and soft-tissue ablation: Malignant tumours
Radhesh Lalam, Oswestry/UK
- » Bone and soft-tissue ablation: Benign tumours
Jose Luis Del Cura Rodriguez, Bilbao/ES
- » Clinical and imaging follow-up of non-ablative management for focal bone lesion
Francesco Arrigoni, L'Aquila/IT
- » Spine and peripheral skeleton augmentation
Danoob Dalili, London/UK
- » Percutaneous disc decompression
Nicolas Amoretti, Menton/FR
- » Spine biopsies
Thomas Le Corroller, Marseille/FR
- » Discussion, Q&A

13:00-14:00 Lunch Break

14:00-15:00

Scientific Session – IT/AI/CAD

Moderators: *Akram Dakhil Delfi, Soeborg/DK & Giuseppe Guglielmi, Foggia/IT*

- » Deep Learning for Automatic Bone Segmentation of the Pelvis using MRI with T1 VIBE DIXON for FAI Patients
Till Lerch, Bern/CH
- » Quantitative bone marrow lesion characterisation at the sacroiliac joint with T1-mapping
Torsten Diekhoff, Berlin/DE

ROOM 1

14:00-15:00

Scientific Session – Joints

Moderators: Mahesh Prakash, Chandigarh/IN & Alberto Vieira, Porto/PT

- » Clinical Application of Ultra-High Field MRI for Wrist Imaging: A Multi-Reader Comparison of 3T and 7T
Frank Roemer, Erlangen/DE
- » Imaging findings in a cohort of Dancers presenting with knee pain
Matthew Mariathas, Southampton/UK
- » Stenosing tenosynovitis of the extensor carpi ulnaris: A reverse De Quervain tenosynovitis
Rayan Alloune, Escalquens/FR
- » Inter- and intra-reader reproducibility of a novel instability score of the lateral elbow at CT-arthrography: The SMILE score
Gianluca Folco, Milan/IT
- » Critical Shoulder Angle and Heigh/Roof Ratio measurement on Shoulder radiography: A comparison for predicting Rotator Cuff tears
Simone Faenza, Milan/IT
- » SPECT-CT in the investigation of hip pain post-THA; Unexpected findings that affected patient management
Matthew Mariathas, Southampton/UK
- » Comparison between dedicated MRI and symphyseal fluoroscopic guided contrast agent injection in the diagnosis of cleft sign and pelvic ring instability in athletic groin pain
Norman Holl, Rostock/DE
- » Betting ACL Injury with MRI morphometry
Sagar Maheshwari, Romford/UK
- » Femoral Torsion measurement using MRI with T1 VIBE DIXON compared to matched CT of adult FAI patients
Till Lerch, Bern/CH

15:00-16:30

Monitoring tumour treatment response

Moderators: Andrea Baur-Melnyk, Munich/DE & Alberto Tagliafico, Genoa/IT

- » Primary and secondary bone Tumours: How to stabilize them?
Thomas Mittelmeier, Rostock/DE (Tumour surgeon)
- » How to obtain sufficient samples from imaging-guided biopsies
Violeta Vasilevska Nikodinovska, Skopje/MK
- » Collateral effects of radiation- and chemotherapy on the musculoskeletal system with focus on bone marrow
Alberto Bazzocchi, Bologna/IT
- » Monitoring post treated bone and soft tissue tumours
Hans Bloem, Leiden/NL
- » Monitoring bone metastasis
Ihsan Sebnem Örgüç, Manisa/TR
- » Discussion, Q&A

16:30-17:00 Coffee Break

17:00-18:30

Hardware complications

Moderators: Volker Lapczynski, Oslo/NO & Christoph Stern, Chur/CH

- » Which types of endoprotheses a radiologist should know?
Wolfram Mittelmeier, Rostock/DE (Orthopedic surgeon)
- » Imaging modalities for hardware evaluation
Reto Sutter, Zurich/CH
- » Post-treatment imaging of endoprosthesis – Assessment of rotational malalignment and changes after prosthesis
Oscar Luis Casado Verdugo, Bilbao/ES
- » Post-treatment imaging of endoprosthesis – Imaging of postoperative loosening and infection
Luca Maria Sconfienza, Milan/IT
- » Post-treatment imaging of the vertebral column – Stabilization
Antoine Feydy, Paris/FR
- » Discussion, Q&A

ROOM 2

- » MRI radiomics-based machine learning to predict neoadjuvant chemotherapy response in Ewing Sarcoma: Preliminary results
Salvatore Gitto, Milan/IT
- » Automated detection of vertebral fractures in routine CT scans of the chest and abdomen: External validation of a deep learning algorithm
Joeri Nicolaes, Brussels/BE
- » Performance comparison of a deep learning algorithm and human readers on anterior cruciate ligament tear detection
Benoit Rizk, Villars-sur-Glane/CH
- » Automated bone age assessment across multi site study in USA: Agreement between AI and expert readers
Matthew DiFranco, Vienna/AT
- » Volumetric bone mineral density differences between femurs of scoliotic patients: A quantitative computed tomography study
Roberta Colombo, Verbania/IT
- » Pseudolesion of the distal tibia articular surface – Frequency and morphological criteria in magnetic resonance imaging
Hanka Arndt, Rostock/DE
- » MRI Patters of ACL Repair with Internal Brace Augmentation.
Jon Ryan Olson (SSR Paper Award Winner)

15:00-16:30

Sports Imaging Subcommittee

Moderators: Pia Jungmann, Chur/CH & Josef Kramer, Vienna/AT

- » HIP: FAI-Lessons from the Lisbon Agreement
Miguel Castro, Portimao/PT
- » Hip: Imaging groin pain in athletes
Eugene McNally, Oxford/UK
- » Knee: Partial tears of the cruciate ligaments
Andrew Grainger, Leeds/UK
- » Knee: Easy to miss mensical lesions
Andrea Roskopf, Zurich/CH
- » Knee: Anterior impingement syndromes and clinical relevance
Eva Llopis, Alzira-Valencia/ES
- » Forefoot and midfoot overuse injuries
Afarine Madani, Brussels/BE
- » Ankle: Impingement syndromes and clinical relevance
Luis Fernando Cerezal Pesquera, Santander/ES
- » Ankle: Imaging instability in athletes
Mario Maas, Amsterdam/NL
- » Muscle/Tendon Injuries at the calf: How to report
Christian Glaser, Munich/DE
- » Discussion, Q&A

16:30-17:00 Coffee Break

17:00-18:30

Young Club Session

Moderators: Ziga Snoj, Ljubljana/SI & Ana C. Vieira, Porto/PT

- » Ultrasound of hand and wrist – Tendon disorders
Salvatore Gitto, Milan/IT
- » Carpal tunnel syndrome and Guyon canal syndrom: Pathophysiology and diagnosis Female
Mari Sakanyan, Yerevan/AM
- » Ultrasonographic findings of ulnar nerve subluxation and triceps muscle snapping in asymptomatic patients
Kitija Nulle, Riga/LV
- » MRI in elbow instability
Andrey Uchevatkin, Moscow/RU
- » Distal bicep tendon repair: Unusual postoperative complications
Riccardo Picasso, Genoa/IT
- » Latrogenic post-operative damage of the upper limb nerves
Federico Zaottini, Genoa/IT
- » Discussion, Q&A

ROOM 1

08:00-09:30

Lower Limb

Moderators: Jan Fritz, New York/US and Tübingen/DE & Simone Waldt, Essen/DE

- » Surgical techniques in ligament, meniscal and cartilage repair
Gregor Berrische, Heidelberg/DE (Orthopedic surgeon)
- » Postoperative findings after cruciate and collateral ligaments repair
Maria Tzalonikou, Athens/GR
- » Post-treatment imaging of the knee – update for menisci repair
Andreas Heuck, Munich/DE
- » Postoperative Musculoskeletal Imaging and Interventions Following Hip Preservation Surgery, Deformity Correction, and Hip Arthroplasty
Mohammad Samim, New York, NY/US
- » Post-treatment imaging of the ankle joint – Update 2022
Michael Fox, Phoenix, AZ/US
- » Discussion, Q&A

09:30-10:00 Coffee Break

10:00-11:00

Scientific session – Tumours and Nerves

Moderator: Ana Isabel Garcia Diez, Barcelona/ES & Henk-Jan van der Woude, Amsterdam/NL

- » Use of DWI at MRI in differentiating Enchondroma, Low-Grade And High-Grade Chondrosarcoma
Tiziana Robba, Turin/IT
- » Imaging findings and value of CT and (DCE-)MRI in monitoring denosumab therapy of giant cell tumours of bone.
Thomas Van Den Berghe, Lochristi/BE
- » Prognostic value of Myosteotosis assessed by Computed Tomography in patients with Multiple Myeloma
Jakob Neubauer, Freiburg/DE
- » Benign, aggressive, and malignant tenosynovial giant cell tumour – demographic, clinical and imaging characteristics of a large monocentric cohort.
Ann-Katrin Kaufmann-Buehler, Graz/AT
- » Sonographic Evaluation of Nerve Repair
Ogonna Nwawka, New York/US
- » Novel Tomographic Imaging of Peripheral Nerves with High-Resolution Ultrasound Compared with High-Field MR (Tractography)
Suren Jengojan, Vienna/AT
- » Effects of wrist movement on the median nerve in patients with carpal tunnel syndrome and healthy volunteers demonstrated by High-resolution Ultrasound
Suren Jengojan, Vienna/AT

11:00-12:30

Upper Limb

Moderators: Maryam Shahabpour, Brussels/BE & Nicolas Theumann, Lausanne/CH

- » Repair techniques of rotator cuff and glenoid rim and what the orthopedic surgeon wants to know from the radiologist
Robert Lenz, Rostock/DE (Orthopedic surgeon)
- » Imaging after the rotator cuff repair – normal and abnormal findings
Christoph Schäffeler, Chur/CH
- » Imaging of glenoid and glenolabral complex after surgery – normal and abnormal
Karl-Friedrich Kreitner, Mainz/DE
- » Post-treatment imaging of the elbow – Update 2022
Thomas Grieser, Augsburg/DE
- » Post-treatment imaging of the wrist – Update 2022
Mihra Taljanovic, Tucson, AZ/US
- » Discussion, Q&A

12:30-13:30 Lunch Break

ROOM 2

08:00-09:30

Arthritis Session

Moderators: Winston Rennie, Leicester/UK & Mitja Ruprecht, Maribor/SI

- » Imaging of inflammatory myopathies: Protocols, pearls and pitfalls
Ana Isabel Garcia Diez, Barcelona/ES
- » Advance imaging MR techniques in osteoarthritis
Gustav Andreisek, Münsterlingen/CH
- » WBMRI at diagnosis and during follow-up in Arthropathies
Jose Antonio Narvaez, Barcelona/ES
- » Ultrasound of small joints in rheumatic diseases
Janani Pillai, London/UK
- » Novel MR imaging techniques in RA
Filippo Del Grande, Montagnola/CH
- » Tricks and tips in the assessment of the sacroiliac joint of children
Iris Eshed, Ramat Gan/IL
- » Discussion, Q&A

09:30-10:00 Coffee Break

10:00-11:00

Scientific Session – Spine and Intervention

Moderators: Mara Epermane, Riga/LV & Marc-André Weber, Rostock/DE

- » The origin of lumbar synovial cysts and the space of Okada: An experimental CT-Arthrographic study in human specimen
Gebhard Schmid, Neuss/DE
- » What is backfill? – New bone formation in axial spondyloarthritis
Torsten Diekhoff, Berlin/DE
- » ASAS recommendations for requesting and reporting imaging examinations in patients with suspected axial spondyloarthritis
Torsten Diekhoff, Berlin/DE
- » Odontoid process retroflexion in an adult population with basilar invagination and in normal adults
Mehmet Bilgin Eser, Istanbul/TR
- » Radiofrequency ablation for osteoid osteoma of the hand
Fernando Ruiz Santiago, Granada/ES
- » Bone marrow edema on MRI predicts immediate outcome of joint infiltrations of the foot
Matthäus Cieciera, Luzern/CH
- » Post-ablation follow-up of benign and painful bone lesions: Imaging features and proposal for a scheduled protocol
Julia Daffinà, L'aquila/IT
- » Feasibility of CT-guided Percutaneous Osteosynthesis Under Local Anesthesia
Joris Lavigne, Ecole/FR

11:00-12:30

Metabolic Session

Moderators: Giuseppe Guglielmi, Andria/IT & Christian Krestan, Vienna/Austria

- » Harry Genant lecture. How to monitor treatments for osteoporosis
tba
- » Bisphosphonates in bone diseases other than osteoporosis
Catherine Phan, Paris/FR
- » Artificial Intelligence – lecture title tbc
Amanda Isaac, London/UK
- » Imaging metabolic changes in osteoarthritis
Edwin Oei, Rotterdam/NL
- » MSK complications in long term hemodialysis and renal transplants
tba
- » Metabolic sarcopenia
Carmelo Messina, Milan/IT
- » Clinical cases
Anastasia Fotiadou, London/UK
- » Discussion, Q&A

ROOM 1

13:00-13:30

Industry sponsored symposium

13:30-15:00

Spine & Techniques

Moderators: Robert Campbell, Wirral/UK & Ilze Engele, Riga/LV

- » Perspective of the surgeon
Thomas Freiman, Rostock/DE
- » The normal spine after treatment
Igor Boric, Zagreb/HR
- » Post-treatment imaging of the vertebral column – discs, discectomy
Axel Stäbler, Munich/DE
- » Failed back syndrome: Interventional radiologist approach
Fernando Ruiz Santiago, Granada/ES
- » Monitoring Infectious Spondilodiskitis
Yaron Berkowitz, Oxford/UK
- » Imaging of treated scoliosis
Chiara Giraud, Padova/IT
- » Discussion, Q&A

15:00-15:10 Break

15:10-15:30

Outlook ESSR 2023

Eva Llopis, Maria José Ereno Ealo

15:30-17:00

ESSR Quiz

Andrew Grainger

17:00-18:00

ESSR General Assembly

ROOM 2

12:30-13:30 Lunch Break

13:30-15:00

Tumour Session

Moderator: Hussain Al-Bulushi, Dublin/IE & Koenraad Verstraete, Brugge/BE

- » MRI of MSK tumours: What orthopedic surgeon and orthopedic oncologist need to know
Klaus Wörtler, Munich/DE
- » Staging of bone and soft tissue tumours – ESSR Consensus
Jacky De Rooy, Nijmegen/NL
- » Tissue characterisation on MRI: What we can do to predict histology
Iris Melanie Nöbauer-Huhmann, Vienna/AT
- » Lipoma or low grade liposarcoma – similarities and differences
Omar Albtoush, Amman/JO
- » Pitfalls in interpretation in diagnosis of soft tissue tumours
Gunnar Aström, Uppsala/SE
- » Incidentally identified bone lesions: Imaging approach
Hakan Ilaslan, Cleveland,OH/US
- » Bone tumour mimickers – differential diagnosis
Kai Vilanova, Girona/ES
- » Pitfalls in interpretation in diagnosis of bone tumours
Remide Arkun, Izmir/TR
- » Discussion, Q&A

**DON'T
MISS!**

**10:00 Writer's
Workshop by
Thieme**

**We're looking
forward to
seeing you in
Rostock!**

