



*Post-Treatment Imaging*  
**ESSR 2022**  
**MUSCULOSKELETAL  
RADIOLOGY**

JUNE 9-11, ROSTOCK/GERMANY

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WELCOME TO  
ROSTOCK!

# WELCOME MESSAGE

**On behalf of the ESSR, it is a great pleasure for me and the German local organizing committee to invite you to the 29<sup>th</sup> Annual Meeting of our society to the Hanseatic City of Rostock, Germany. The venue will take place from June 9<sup>th</sup> until June 11<sup>th</sup> with a superb view of the Baltic Sea Coast.**

The meeting will have a focus on post-treatment imaging. Special aspects of established and most recent treatment procedures and the principal questions the radiologist has to answer following musculoskeletal interventions will be approached. Thus, we learn about treatment methods, we will learn hints and tricks, and understand the needs and expectations of our clinical partners like orthopaedic and trauma surgeons and of our musculoskeletal interventional radiologists.

During the meeting, a state-of-the art technical exhibit will be available to give an insight into the latest developments in radiological equipment, supplies, technologic advances and services. The conference venue with the neighbouring spacious and beautiful hotel area is well prepared with hygiene concepts to host participants in a face-to-face format given the ongoing global pandemic of coronavirus disease. The venue will offer scientific sessions and educational lectures presented in two parallel sessions allowing delegates to plan the programme best suited for their individual needs. Of course, the always well-attended ultrasound course, as well as various sessions organized by the ESSR Committees and Subcommittees, will not be left behind and will enrich the programme. Additional highlights will be two workshops focussing on artificial intelligence and spondyloarthritis.

The 29<sup>th</sup> ESSR annual meeting cordially invites radiologists, orthopaedic and trauma surgeons, oncologists, rheumatologists, radiographers and all other musculoskeletal related disciplines, both members and non-members of our society. Especially young members are heartily welcomed and the Young Club of our society will provide an ideal platform for sharing ideas and experiences and this independently of different nationalities and traditions.

I very much thank my colleagues of the German local organizing committee, the team of the ESSR office as well as all colleagues in ESSR Committees and Subcommittees for their continued fantastic support in putting up the meeting programme together. Moreover, I am especially grateful to all clinicians, who inform us about the treatment procedures we should know as musculoskeletal radiologists.

The Hanseatic City of Rostock is situated at the German Baltic Sea coast. The University of Rostock is the oldest university in the Baltic Sea region and was founded in 1419. Tradition and innovation is the university's motto, which can also serve the ESSR annual meeting as one of the most significant scientific events in the exciting field of musculoskeletal radiology. Actually, musculoskeletal radiology is the oldest field of radiology given the fact that the very first X-ray was performed of the hand of Wilhelm Conrad Röntgen's wife Bertha in 1895. Rostock has something to offer for everyone. A homely and historic city, Middle Age architecture, magical coastal landscapes, paintings, theatre and large ships. There are plenty of options to have a nice stroll with old and modern ships and many restaurants right next to the water. In addition, social events are planned to

make this a convivial, cultural and social experience. Therefore, I look forward to welcome you to the city.

ESSR is looking forward to its grand return to onsite events with the ESSR 2022 Annual Meeting. For those unable to join us in Rostock, I am very happy that both lecture rooms, the main programme and the subcommittees programmes are live streamed. Thus, even if you are not able to attend the ESSR annual meeting onsite, you will be able to listen to the more than 28 hours of teaching granted with

12 European CME credits. Moreover, for all of you, both registered to the meeting onsite and online, an on-demand facility will be available (until September 10) to enable you to review the lectures and see any that you had missed or wish to see again.

*Marc-André Weber*

Marc-André Weber  
ESSR Congress President 2022



# LEARNING OBJECTIVES FOR ESSR 2022

## **Focus 1: How to monitor systemic skeletal disorders?**

- a. To understand the role of monitoring arthritis with plain films
- b. To learn about findings in MRI and ultrasound concerning the monitoring of modern treatment schemes in arthritis
- c. To get acquainted with seronegative spondyloarthropathy and its treatment monitoring
- d. To intensify knowledge about how to monitor SKIBO (skin and bone) diseases

## **Focus 2: How to monitor healing of fractures, of muscle as well as tendon tears?**

- a. To understand the role of radiology in assessing bone healing
- b. To learn about delayed fracture healing
- c. To get acquainted with the assessment of muscle tears and the healing of tears
- d. To be aware of cartilage repair techniques and their appearance in imaging

## **Focus 3: How to monitor tumours?**

- a. To understand the tumour surgeon's role of stabilizing primary and secondary bone tumours
- b. To learn how to obtain sufficient samples from imaging-guided biopsies
- c. To get acquainted with collateral effects of radiation- and chemotherapy on the musculoskeletal system with focus on bone marrow seronegative spondyloarthropathy and its treatment monitoring
- d. To intensify knowledge about postoperative and posttherapeutic changes in soft tissue tumours
- e. To learn the specific issues and requests when monitoring bone tumours
- f. To deepen the understanding for the specific issues and requests when monitoring bone metastases

## **Focus 4: How to evaluate hardware complications?**

- a. To get acquainted with the types of endoprostheses a radiologist should know
- b. To understand the role of stabilization regarding post-treatment imaging of the vertebral column
- c. To learn the radiological assessment of rotational malalignment of endoprosthesis
- d. To get acquainted with the radiological assessment of loosening of endoprosthesis
- e. To be aware of the imaging findings of postoperative infection of endoprostheses

### Focus 5: How to evaluate post-treatment imaging of the lower limbs?

- a. To get acquainted with surgical techniques in ligament, meniscal and cartilage repair
- b. To understand the role of imaging for evaluating the ankle joint after treatment
- c. To learn about postoperative findings after cruciate and collateral ligaments repair
- d. To get acquainted with postoperative and post-interventional musculoskeletal imaging findings following hip preservation surgery, deformity correction, and hip arthroplasty
- e. To be aware of the imaging findings of meniscal repair techniques

### Focus 6: How to evaluate post-treatment imaging of the upper limbs?

- a. To get acquainted with repair techniques of the rotator cuff and glenoid rim and what the orthopaedic surgeon wants to know from the radiologist
- b. To understand the role of imaging for evaluating rotator cuff repair
- c. To learn about normal and abnormal imaging findings after surgery of the glenoid and glenolabral complex
- d. To get acquainted with post-treatment imaging of the elbow
- e. To be aware of the imaging findings of the hand and wrist after treatment

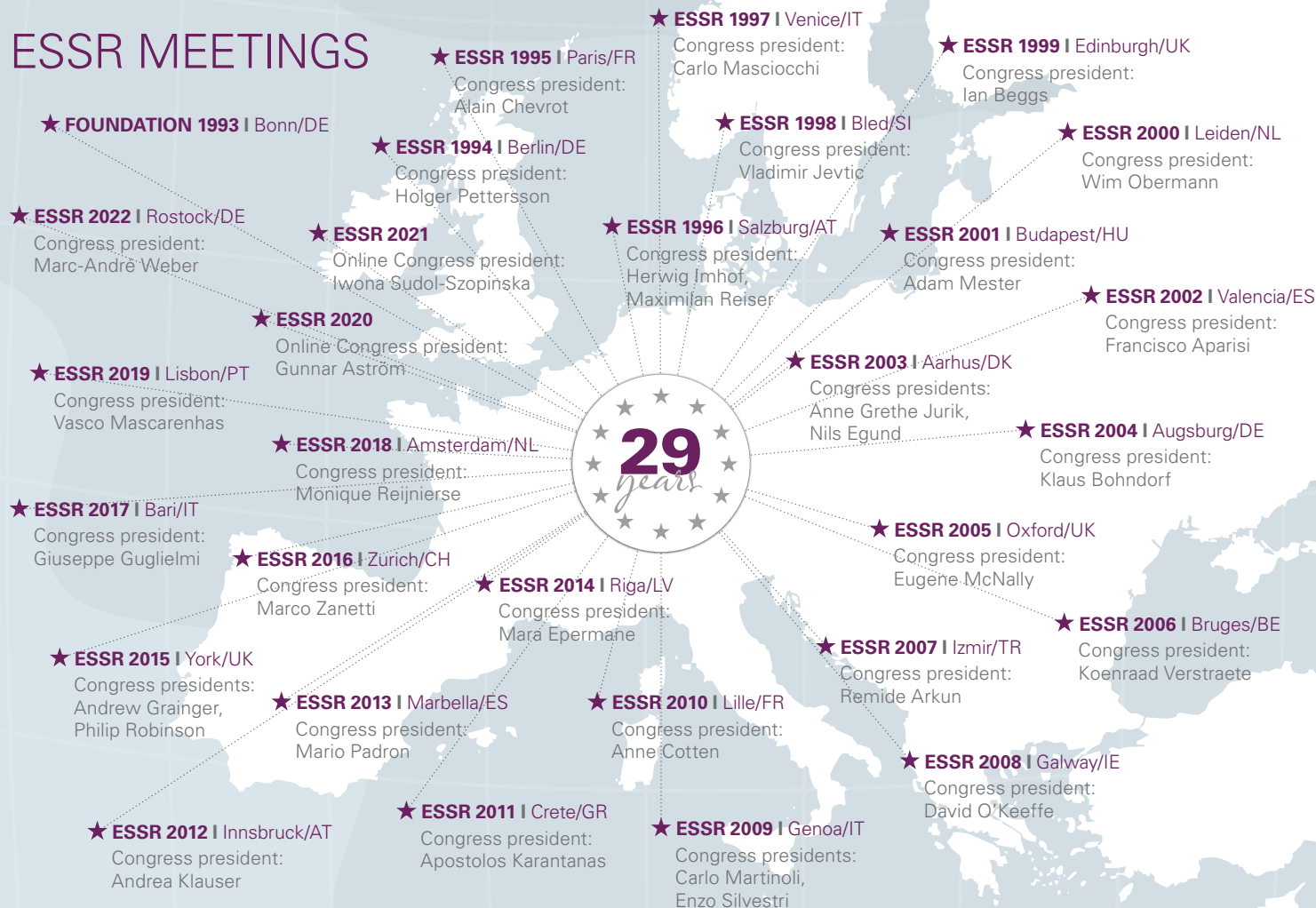
### Focus 7: How to evaluate post-treatment imaging of the spine?

- a. To get acquainted with the radiological appearance of the normal spine after treatment
- b. To understand the role of imaging for evaluating the vertebral column after surgery of discs
- c. To learn about post-treatment imaging findings of new treatment techniques for the intervertebral discs
- d. To get acquainted with post-treatment imaging of the spondylodiscitis
- e. To be aware of the imaging findings of the treated scoliosis



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# ESSR MEETINGS



# MEETING COMMITTEES 2022

## Local Organizing Committee 2022

Marc-André Weber | Andrea Baur-Melnyk | Thomas Grieser | Andreas Heuck | Theresa Pehlke | Christoph Schöffeler | Frank Roemer

## Executive Committee 2022

President: Eva Llopis, Alzira-Valencia/ES

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## Committees

Education: Elena Drakonaki, Heraklion/GR

Research: Davide Orlandi, Genoa/IT

National Societies: Filip Vanhoenacker, Antwerp/BE

## Subcommittees

Arthritis: Chiara Giraudo, Padova/IT

Imaging Guided Interventions: Dimitrios Filippiadis, Athens/GR

Osteoporosis & Metabolism: Alberto Bazzocchi, Bologna/IT

Paediatric: Paolo Simoni, Brussels/BE

Sports Imaging: Christoph Schöffeler, Chur/CH

Tumours: Violeta Vasilevska-Nikodinovska, Skopje/MK

Ultrasound: Athena Plagou, Athens/GR



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# ULTRASOUND WORKSHOP

Thursday, June 9 | 11:30-18:00

Dear Colleagues,

As Chair of the Ultrasound Subcommittee and organizer of the US workshop, I am delighted to present this year's ESSR Ultrasound Workshop as a face-to-face event after a two-year pause.

I am pleased to have been able to put together an exciting programme on Ultrasound of the Elbow which offers an in-depth presentation of ultrasound anatomy and pathology of tendons, ligaments and nerves around the elbow as well as muscles of the forearm. The members of the Ultrasound subcommittee from across Europe with their experience on Ultrasound Imaging will guide you through this exciting journey. The popular Ultrasound workshop will begin, as usual, with a series of live anatomy demos performed in the main lecture hall to provide all the necessary background before the hands-on sessions. International, experienced tutors will supervise small groups of delegates at basic and advanced levels. Pathology video demos as well as rapid fire lectures on post-treatment US imaging will be presented by our distinguished faculty members.

Furthermore, I am delighted to present the activities of the Ultrasound Subcommittee on online learning. The challenging circumstances of the past two years has made the organization of face-to-face events impossible. In an effort to fill this educational "gap", I put my energy in organizing an online educational tool for training in MSK Ultrasound. I encourage you to explore the outcome on the ESSR e-learning platform. Four series of educational courses are already uploaded on the ESSR webpage and offered for free to

ESSR members. These series are designed to serve as guidelines on how to systematically scan the Musculoskeletal System with Ultrasound. The first series is a collection of educational videos based on the ESSR Musculoskeletal Ultrasound Technical Guidelines for Joints. The second "How to scan" series focusses on Ultrasound demos on Nerves. The third series comprises short pathology lectures on lower limb pathology. Last, the "How to perform" series is a collection of videos on US-guided procedures. I would like to express my sincere thanks to the US subcommittee members for their excellent contributions and a special thank you to the past President Eugene McNally who made the launching of this project possible.

Online learning has gained its place in education with an increasing speed. Hands-on courses still, of course, remain irreplaceable as interacting with tutors and practising Ultrasound techniques is of great value and importance. As such, the US workshop in Rostock will be a great opportunity for reunion of specialists on MSK Ultrasound. I encourage you to be part of this event and I am happy to welcome it back again in our lives.

I would like to thank the vice-chairperson of the US subcommittee, Lionel Pesquer, for his assistance in the organization of the US workshop and express my gratitude to all speakers and hands-on tutors who will contribute to this course. I am grateful for the support of the ESSR President Eva Llopis and the ESSR Executive Committee. Many thanks to Judith and Anna from the ESSR Office, the Congress President and the Industry partners.

**I hope you will find the US workshop stimulating and enjoy your time in Rostock.**

**Athena Plagou** | Chair of the Ultrasound Subcommittee



**Note by the Organisers:** A number of industry partners kindly support this workshop with provision of equipment. We wish to inform you that there is a variety of different similar products that can be used beyond the ones provided at the event.

**11:30-13:30**

**Room 2**

**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*

13:30-14:00 Coffee Break



**14:00-15:15**

**Hands-on (Group A)**

**Room 1**

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

**Video Lectures (Group B)**

**Room 2**

*Moderators: Andrea Klauser, 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)**

**Room 1**

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

**Video Lectures (Group A)**

**Room 2**

*Moderators: Monique Reijnierse, 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 Coffee Break



**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*

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.

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

# ESSR MEETS EUSOMII – ARTIFICIAL INTELLIGENCE WORKSHOP

Thursday, June 9 | 12:00-14:30 | Room 3

Artificial Intelligence (AI) is here to stay, no discussion. Radiologists will benefit, so patients can benefit! Yet AI is not part of regular training programmes in musculoskeletal radiology. So there is a need for ESSR to provide a stage to learn, discuss, show and explore both educational and scientific initiatives in the field of AI and musculoskeletal radiology.

The European Society of Medical Imaging Informatics (EuSoMII) is a non-profit healthcare organization that aims to connect radiologists, radiology residents, radiographers, data scientists and informatics experts, with a special focus on AI. We are very proud to organize the ESSR meets EUSOMII session we host three EUSOMII leaders, namely Merel Huisman, the Aunt Minnie Europe Radiology Rising Star Award winner 2021 and chair of EUSOMII young club, Benoît Rizk, board member responsible for PR and Networking Community and Prof. Erik Ranschaert, past president of EUSOMII and present chair of educational committee. With their influential position within the radiological community, they are builders of the AI future within radiology. Good to observe that ESSR members are presented in the heart of EUSOMII. A big welcome to the three of you!

I am happy to chair this session with Prof. Antoine Feydy. He will share with us his view on the role of AI in the field of musculoskeletal radiology with a focus on trauma. He is well known in working together with young high potentials and will set the stage for the future generation within ESSR.

The young generation is essential in this session both in the attending crowd as well as on stage! We are happy to present three young researchers who will guide us into their research in Musculoskeletal Radiology with Salvatore Gitto, in AI and communication with Astrid Krabbe and this year's Young Research Winner Thomas Van Den Berghe.

We want to hear to your opinion, so we have ample time for Q&A!

Dear colleagues and friends, there is a bright future for ESSR when embracing and centralizing Artificial Intelligence and the young generation! Count me in!

**Kind regards,**  
**Mario Maas**  
ESSR Vice-President



## 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 An AI-based algorithm for automatic detection of erosion and ankylosis on CT images of the sacroiliac joints: Multicentre development and validation  
*Thomas Van Den Berghe, Lochristi/BE*
- 13:35 AI and communication  
*Astrid Krabbe-Juulsbo Galsgaard, Copenhagen/DK*
- 13:45 Discussion, Q&A
- 14:00 The dual face of AI: Playmate or killjoy?  
*Erik Ranschaert, Ghent/BE*

14:30-15:00 Coffee Break 

# SPONDYLOARTHRITIS OR NOT? – A WORKSHOP TO GET RELEVANT HANDS-ON EXPERIENCE

Thursday, June 9 | 15:30-18:30 | Room 2

This workshop will be based on 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. By a real-time interactive feedback format, the adequate SIJ and spine protocols and the typical SpA findings in adults will be addressed. With a mixture of clear-cut and more challenging cases, the main differential diagnoses will also be reviewed.

MR features of juvenile-SpA, characteristics of age-related features at imaging, which may affect the assessment of paediatric patients, will be addressed. By the end of the session you will be able to identify the main abnormalities affecting the SIJ and the spine in early and advanced SpA as well as recognize the similarities and differences between juvenile-SpA and SpA in adults.

**We look forward to seeing you!**

**Chiara Giraudo**

Chair of the Arthritis Subcommittee

## Programme Outline

15:30

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Introduction to the Workshop

15:45

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**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

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**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

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**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

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**Remarks and conclusion**



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## **ESSR MEMBERSHIP BENEFITS AT A GLANCE**



### **MEMBER COLLABORATION & NETWORKING**

- » Reduced registration fees at the Annual Meetings of the Society
- » Membership Certificate
- » Participation and influence within committees, subcommittees and other ESSR initiatives
- » Joint initiatives with other musculoskeletal imaging societies worldwide

### **JOURNAL SUBSCRIPTION**

- » Free online access to "Seminars in Musculoskeletal Radiology" (Thieme) via the ESSR website
- » Special subscription rates (printed and/or online) for "Skeletal Radiology" (Springer)
- » Special subscription rates (printed) for "Seminars in Musculoskeletal Radiology" (Thieme)

### **RESEARCH SUPPORT**

- » Young investigator research grants for members under the age of 36
- » Prices for best scientific and educational presentations

### **INFORMATION & EDUCATION**

- » Being part of the community and staying updated (newsletter, social media)
- » ESSR Diploma in musculoskeletal radiology
- » Free unlimited access to the eLearning Platform (lectures recordings, webinars, subcommittee-guided protocols, etc)
- » ESOR exchange programme for fellowship and scholarship
- » Young Club activities and M.Avatar project for supporting the next generation of musculoskeletal radiologists

**ESSR COMMITTEES:** Education ★ Research ★ National Societies

**ESSR SUBCOMMITTEES:** Arthritis ★ Sports ★ Tumour ★ Ultrasound ★ Osteoporosis & Metabolism ★ Imaging Guided Intervention ★ Paediatric



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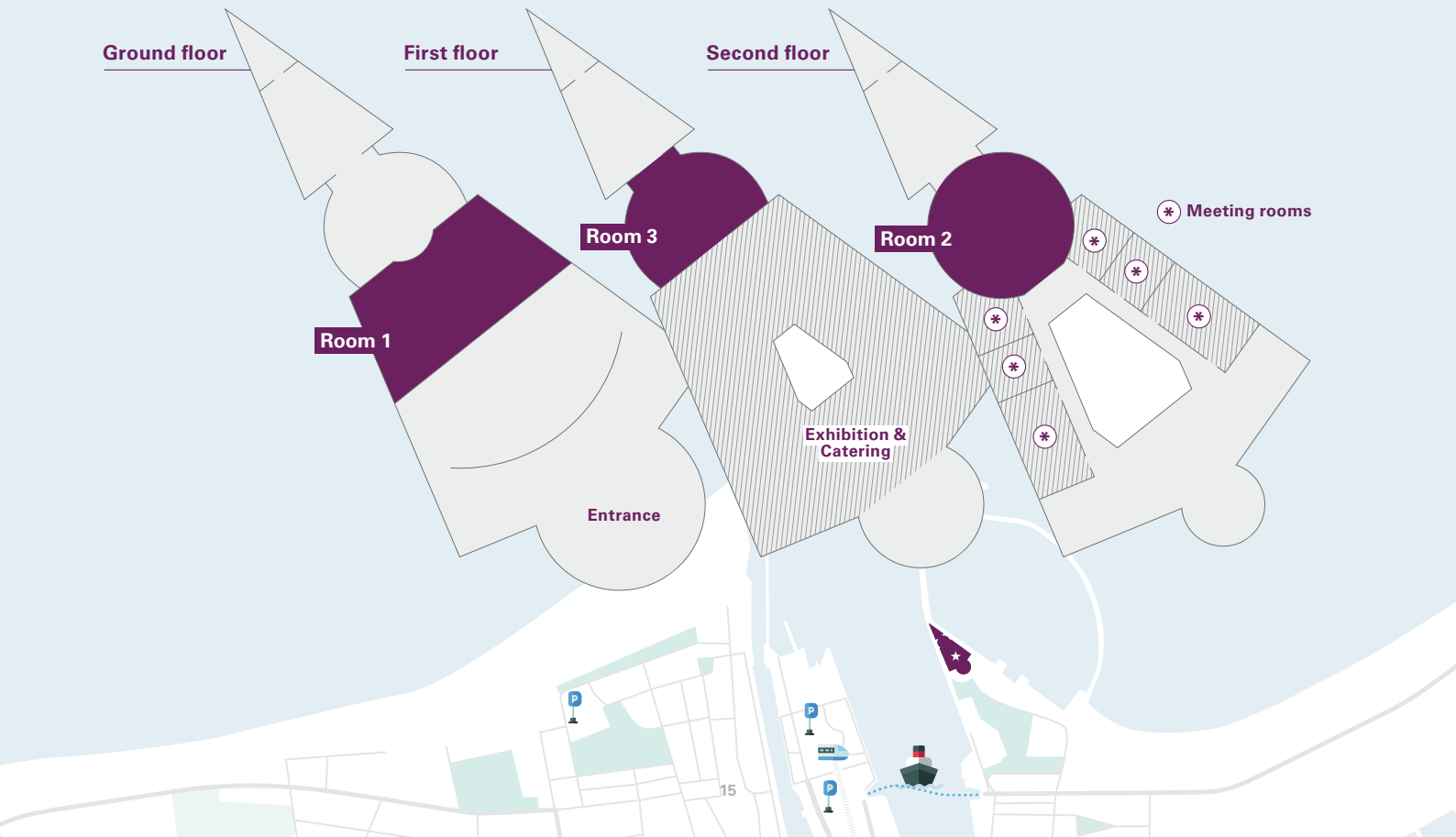
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# FLOORPLAN YACHTHAFENRESIDENZ HOHE DÜNE





# ESSR ANNUAL SCIENTIFIC PROGRAMME 2022

Friday, June 10

ROOM 1

08:00-09:30

## Inauguration ESSR 2022

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

- » Welcome from Congress President & Society 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 Adam Mester  
*Laudator: Franz Kainberger, Vienna/AT*
- » Honorary Membership for Mark Davies  
*Laudator: Victor Cassar-Pullicino*

ROOM 2

09:30-11:00

## Paediatric 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



**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, Warsaw/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 Klean, Rostock/DE & Christian Plathow, Baden-Baden/DE*

- » Assessment of bone healing  
*Guillaume Bierry, Strasbourg/FR*
- » Delayed fracture healing (View of orthopaedic 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

**11:30-13:00****MSK subcommittee – Intervention Subcommittee Session**

*Moderators: Miraude Adriaensen, Heerlen/NL &*

*Thomas Le Corroller, Marseille/FR*

- » 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  
*Jose Luis Del Cura Rodriguez, Bilbao/ES*
- » Bone and soft-tissue ablation: Benign tumours  
*Radhesh Lalam, Oswestry/UK*
- » 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  
*Alexandre Rudel, Nice/FR*
- » Spine biopsies  
*Thomas Le Corroller, Marseille/FR*
- » Discussion, Q&A

13:00-14:00 Lunch Break



13:00-14:00 Lunch Break

**13:10-14:00****Industry sponsored symposium****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*

**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*
- » 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 Ritzk, 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 Patterns of ACL Repair with Internal Brace Augmentation.  
*Jon Ryan Olson, Las Vegas, NV/US (SSR Paper Award Winner)*

**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 Mittlmeier, 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

**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 meniscal lesions  
*Andrea Roszkopf, 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  
*Diogo Roriz, Viana do Castelo/PT*
- » 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****Hardware complications***Moderators: Volker Lapczynski, Oslo/NO & Christoph Stern, Chur/CH*

- » Which types of endoprotheses a radiologist should know?  
*Wolfram Mittelmeier, Rostock/DE (Orthopaedic 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

**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*
- » Distal radius fractures (commonly made mistakes and important measurements)  
*Kitija Nulle, Riga/LV*
- » Ultrasonographic findings of ulnar nerve subluxation and triceps muscle snapping in asymptomatic patients  
*Kitija Nulle, Riga/LV*
- » Distal biceps Injury  
*Ziga Snoj, Ljubljana/SI*
- » 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



*Post-Treatment Imaging*  
**ESSR 2022**  
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**RADIOLOGY**  
 JUNE 9-11, ROSTOCK/GERMANY

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 Bertsche, Heidelberg/DE (Orthopaedic 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 Myosteatosis assessed by Computed Tomography in patients with Multiple Myeloma  
*Jakob Neubauer, Freiburg/DE*

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 as key technique for CRMO  
*Chiara Giraudo, Padova/IT*
- » 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*

- » 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 orthopaedic surgeon wants to know from the radiologist  
*Robert Lenz, Rostock/DE (Orthopaedic 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



- » 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/AT*

- » Harry Genant lecture. MSK complications in long term hemodialysis and renal transplants  
*Giuseppe Guglielmi, Andria/IT*
- » Bisphosphonates in bone diseases other than osteoporosis  
*Catherine Phan, Paris/FR*
- » The role of AI in body composition analysis: clinical applications, limitations and future directions  
*Amanda Isaac, London/UK*
- » Imaging metabolic changes in osteoarthritis  
*Edwin Oei, Rotterdam/NL*
- » Metabolic sarcopenia  
*Carmelo Messina, Milan/IT*
- » Clinical cases  
*Anastasia Fotiadou, London/UK*
- » Discussion, Q&A



**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 (Neurosurgeon)*
- » 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 spondylodiscitis  
*Yaron Berkowitz, Oxford/UK*
- » Imaging of treated scoliosis  
*Chiara Giraudo, 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**

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 orthopaedic surgeon and orthopaedic 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 Albtouch, 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



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# CME ACCREDITATION (WORKSHOP & CONGRESS) & CONFIRMATION OF ATTENDANCE

The **ESSR Ultrasound Workshop 2022**, Rostock, Germany, 09/06/2022-09/06/2022 has been granted 5 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

## Confirmation of attendance

For receiving your participation of attendance/ CME certificate, it is mandatory to fill out our online event survey:

<https://forms.gle/1LF7dvp04tp33dC8>



The **ESSR Annual Scientific Meeting 2022**, Rostock, Germany, 10/06/2022-11/06/2022 has been granted 12 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

## Confirmation of attendance

For receiving your participation of attendance/ CME certificate, it is mandatory to fill out our online event survey:

<https://forms.gle/jUH3DwyQH2szT5zR6>



# POTENTIAL CONFLICT OF INTEREST DISCLOSURES

It is the policy of ESSR (European Society of Musculoskeletal Radiology) to ensure balance, independence, objectivity, and scientific rigour in the workshop and congress programme. Knowledge of possible relationships with sponsors of any kind is mandatory in order to reinforce the educational and scientific message and to relieve any suspicion of bias.

Any potential conflict of interest involving the organising committee should be made known so that the audience may form their own judgements about the presentation with a full disclosure of the facts. It is for the audience to determine whether the presenter's external interest may reflect a possible bias in either the work carried out or the conclusions presented.

## ESSR Ultrasound Workshop 2022

None of the ESSR Ultrasound Workshops organisers did disclose any relationships.

## ESSR Annual Scientific Meeting 2022

The following individual(s) did report a potential conflict of interest:  
Frank Roemer: Grünenthal, Calibr, BICL

# HONORARY MEMBERS 2022

## Dr. Mark Davies

Consultant musculoskeletal radiologist at the Royal Orthopaedic Hospital, Birmingham since 1984. Previous consultant radiologist at the Birmingham General, Birmingham Accident and Selly Oak Hospitals, Birmingham. Founding member and former Secretary of the British Society of Skeletal Radiologists. Founding member, first Secretary and former President of the European Society of Musculoskeletal Radiology. Former Secretary and former President of the International Skeletal Society. Royal College of Radiologists Final Fellowship Examiner for 9 years and external examiner to Hong Kong and Singapore. Author and co-author of over 250 papers, review articles, editorials, case reports, book chapters and co-editor of 10 textbooks on musculoskeletal imaging including a WHO Manual. Regular lecturer over many years at international conferences around the world including the Royal College of Radiologists Howard Middlemiss Travelling Professorship to Nepal. Recipient of the Barclay Medal of the British Institute of Radiology, Honorary Membership Hungarian Society of Radiology, Corresponding Member Swiss Society of Radiology and Founder's Medal of the ISS.

Dr. Mark Davies was founding member of the ESSR in 1993 and since then served in various positions, including presidency in 2001-2002.

**In recognition of his outstanding and internationally-recognised achievements in the fields of musculoskeletal radiology, Dr. Mark Davies will receive ESSR Honorary Membership at ESSR 2022.**



## Dr. Adam R. Mester

Dr. Mester is retired associate professor of radiology and was former head of Department of Radiology of National Institute of Rheumatology and Physiotherapy. Present head of Head, Radiology National Institute of Occupational Medicine in Budapest, Hungary.



Most recent Clinical and administrative appointments include Vice Chairman Department of Diagnostic Radiology and Oncotherapy Semmelweis University, Budapest (2003–2007), Chief, Musculoskeletal Radiology National Institute of Rheumatology and Physiotherapy (2008–2012), Head, Radiology Department National Institute of Rheumatology and Physiotherapy (2012–2017), Head, Radiology National Institute of Occupational Medicine (2017–until present), Head of National Laser Therapy Centre (1984–until present).

Active in the national scientific board, such as Board Member, Hungarian Society of Radiologists (2000–2008), Board Member, Hungarian Society of Rheumatologists (2010–2021), Vice Chairman, Skeletal Section of Hungarian Society of Radiologists (1992–2016), Chairman, Skeletal Section of Hungarian Society of Radiologists (2016–2020), Board Member, Hungarian Osteo-Arthrology Interdisciplinary Society (2008–2015), Secretary General, Hungarian Osteo-Arthrology, Interdisciplinary Society (2015–2017), Chairman of LLLT Society of Hungary (1984–2017), Honorary member of WALT World Association of Laser Therapy (2006).

Dr. Adam Mester was founding member of the ESSR in 1993, active as councillor, vice-president and congress president (Budapest 2021) and was society president 2003-2004. He served as Co-chairman of ISS International Skeletal Society Meeting in October, 2007, Budapest.

**In recognition of his outstanding and internationally-recognised achievements in the fields of musculoskeletal radiology, Dr. Adam Mester will receive ESSR Honorary Membership at ESSR 2022.**



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# ESSR 2022 – ELECTRONIC POSTER EXHIBITION

Don't forget to browse through our electronic posters, available for display in an online exhibition.

Poster authors can be contacted directly and are eager to hear your feedback or answer to any questions.

**Access here** <https://essr2022.smart-abstract.com/eposter/#/posters> or scan the QR Code.



**SCAN ME**

## THIEME WRITERS WORKSHOP

We are pleased to announce the **Thieme Writers Workshop** at the ESSR Annual Meeting this year. Our journal partners will organise a dedicated interactive teaching session, participation is free of charge but limited.

This workshop, held by two experienced Editors, will guide you through writing a scientific paper or review article step by step. Numerous real-life examples, showing what NOT to do, guarantee a very practical learning experience. The course will help you to avoid mistakes you were not even aware of when starting to write your ground-breaking manuscript. **Lively interaction welcome!**

Access is granted on a first come – first served basis.

**Saturday, 11 June | 10:00–11:30**

Salon 23, second floor

Limit: 30 delegates





## ESSR DIPLOMA

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Successful candidates will be awarded the “Diploma of Musculoskeletal Radiology” by the European Society of Musculoskeletal Radiology and may add the title “EDiMSK – European Diploma in Musculoskeletal Radiology” to their names.



The examination consists of written and oral components, both parts have to be passed. The examination takes place twice a year, once at the ESSR congress and once during ECR.

# GENERAL INFORMATION

## Organising Secretariat

ESSR Office  
Am Gestade 1  
1010 Vienna, Austria  
email us: office@essr.org

## Coffee Breaks/Catering

Complimentary coffee, tea and refreshments will be served during the official coffee breaks to all congress delegates.

## Mobile Phones

Please do not forget to switch off your mobile phones before entering any of the lecture rooms.

## Recording/eLearning Platform

Photo-, video- or audio-recording of any sessions or presentations is not allowed without the speaker's/ organiser's prior written permission.  
A selection of recordings will be made available to active ESSR members through the ePlatform after summer 2022.

## Badge/Evening Event Tickets

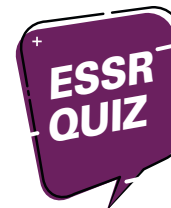
You are kindly asked to keep your badge visible on the congress grounds at all times. Pre-ordered evening event tickets will be handed out at the registration counter onsite. Evening event tickets may be purchased onsite at the registration desk; subject to availability.

## On-Demand Access

For those registered to the meeting, onsite or online, an on-demand facility will be made available after the conference to enable you to review lectures and see any that you had missed or wish to see again. The access link and further details will be circulated via email.

## WIFI

Free WIFI access is available throughout the congress venue.  
Network: yhd  
Password: hohe-duene



## ESSR Quiz

A radiology quiz presentation will be shown in loop on a monitor in the grand foyer. Please fill out the answer sheet (available at the monitors) and hand it in at the registration counter until Saturday, 12:00 (local time). The quiz winners will be announced at the ESSR Quiz Session.

## Public Transportation

Your badge is also your ticket for public transportation – including the ferry to the congress venue. This allows you to use all public transport in Rostock from 09 to 12 June.



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## Industry Exhibition & Support Of Ultrasound Workshop

The exhibition area is located in the foyer on the first floor. Why visit? Source innovative products, meet new contacts and build networks! We thank our industry partners for their highly appreciated support of ESSR.\*

\*Confirmed partners  
as per May 11, 2022



Tumorzentrum Rostock e.V.

## INDUSTRY-SPONSORED SYMPOSIA

We invite you all to join us for the following sessions!

Friday, June 10 | Lecture Room 1 | 13:10-14:00

GE Healthcare Symposium



Saturday, June 11 | Lecture Room 1 | 13:00-13:30

Siemens Healthineers Symposium



# Welcome Reception

Friday, June 10, 18:30  
Conference Center

We kindly invite all ESSR delegates to the Welcome Reception on Friday evening to enjoy a glass of wine with your colleagues after such a long break.

This event will immediately start right after the last session – in case of sunshine we will meet outside!

## JOIN US!

The Welcome Reception is open to all delegates & free of charge.

# Gala Dinner

Saturday, June 11, 18:30  
Kurhaus Warnemünde

Price per ticket EUR 80,-

All participants are invited to round off the meeting at this very special location at the beach promenade, enjoying a nice evening together.

Visit the registration desk for more information and registration!

## DON'T MISS IT!

Places are limited.



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