

MSK 2023 GLOBAL MUSCULOSKELETAL SOCIETIES JOINT MEETING



REFRESHER COURSE



MSK 2023 GLOBAL MUSCULOSKELETAL SOCIETIES
JOINT MEETING • LONDON

OCTOBER 8-13, 2023
QEII CONVENTION CENTER

the
International Skeletal Society





DAY 1 MUSCULOSKELETAL IMAGING AND REFRESHER COURSE

COMBINED SESSION Fleming / Whittle (3rd Floor)

8:00am - 8:10am	INTRODUCTION AND OVERVIEW OF THE ISS <i>Miriam Bredella, MD</i>
8:10am - 10:00am	MSK IMAGING AROUND THE WORLD <i>Moderators: Miriam Bredella, MD, Anne Cotten, MD</i>
8:10 am	USA <i>Michael Recht, MD</i>
8:25 am	Canada <i>Bruce Forster, MSc, MD, FRCPC</i>
8:40 am	Africa <i>Graeme Thompson, MD, Kavulani Mutiso, MD</i>
8:55 am	South America <i>Aline Serfaty, MD, PhD</i>
9:10 AM	Asia <i>Tamotsu Kamishima, MD, PhD, Steven Wong, MD</i>
9:25 AM	Australia/New Zealand <i>Emily Davidson, MBBS(Hons), FRANZCR</i>
9:35 AM	Europe <i>Anne Cotten, MD, David Wilson, MBBS, BSc, FRCP, FRCR</i>
9:50 AM	Q&A

10:00 am -10:30 am BREAK

SPORTS MEDICINE IMAGING Fleming (3rd Floor)

CONCURRENT SESSION 1A

10:30 am - 12:00 pm	SHOULDER <i>Moderators: Mini Pathria, MD, Robert Lopez, MD</i>
10:30 am	Overview of Society of Skeletal Radiology (SSR) <i>Donna Blankenbaker, MD</i>
10:35 am	Rotator Interval & Biceps Pulley <i>Jung-Ah Choi, MD, PhD</i>
10:50 am	Labrum: Above the Equator <i>Michael Tuite, MD</i>
11:05 am	Internal Impingement <i>Gregory Cowderoy, MBBS, FRANZCR</i>
11:20 am	Commonly Missed Tears of the Rotator Cuff: Pitfalls & Tips for Diagnostic Success <i>Guillaume Bierry, MD, PhD</i>
11:35 am	Key Concepts of the Postoperative Rotator Cuff: What the Surgeon Wants to Know <i>Erin Alaia, MD</i>
11:50 am	Q&A

12:00 pm - 1:00 pm Industry Innovation Workshop (limited space/separate registration required) Windsor

12:00 pm - 1:30 pm LUNCH (on your own)

1:30 pm - 3:00 pm	ELBOW <i>Moderators: Hugue Ouellette, MD, Michael Zlatkin, MD</i>
1:30 pm	Overview of European Society of Musculoskeletal Radiology (ESSR) <i>Antoine Feydy, MD, PhD</i>
1:35 pm	Medial and Lateral Epicondylitis <i>Berna Dirim Mete, MD</i>
1:50 pm	Posterolateral Instability <i>P. Diana Afonso, MD</i>
2:05 pm	Posteromedial Instability <i>Gajan Rajeswaran, MBBS, FRCR</i>
2:20 pm	Osteochondral Lesions Around the Elbow <i>Richard Kijowski, MD</i>
2:35 pm	Biceps Tendon <i>Mihra Taljanovic, MD</i>
2:50 pm	Q&A

3:00 pm - 3:30 pm BREAK

3:30 pm - 5:00 pm	WRIST AND HAND <i>Moderators: Connie Chang, MD & Jan-Peter Grunz, MD, MHBA</i>
3:30 pm	Overview of Deutsche Gesellschaft fuer Muskuloskeletale Radiologie (DGMSR) <i>Christian Glaser, MD</i>
3:35 pm	Scapholunate Dissociation - Biomechanics and Imaging <i>Maryam Shahabpour, MD</i>
3:50 pm	Nondissociative Instability Patterns - Assessing the Extrinsic Carpal Ligaments <i>Christine Chung, MD</i>
4:05 pm	TFCC - Pathoanatomy and Classification Systems <i>Rainer Schmitt, MD</i>
4:20 pm	Ulnar-sided Impaction Syndromes - Lengths and Forces <i>Luis Cerezal, MD, PhD</i>
4:35 pm	Carpal Osteonecrosis - What is Viable and What is Dead? <i>Nina Hesse, MD</i>
4:50 pm	Q&A



WEDNESDAY, OCTOBER 11

MUSCULOSKELETAL DISEASE Whittle (3rd Floor)

CONCURRENT SESSION 2A

10:30 am - 12:00 pm BONE TUMORS AND BONE MARROW Moderators: Heike Daldrup-Link, MD, Marc-Andre Weber, MD, MSc

10:30 am Overview of Musculoskeletal Tumor Society (MSTS) [Carol Morris, MD, MS](#)

10:35 am Whole Body Imaging of Indeterminate Polyostotic Lesions [Avneesh Chhabra, MD](#)

10:50 am Benign - Aggressive Lesions - The Radiologist's Perspective [Mark Murphey, MD](#)

11:05 am Benign - Aggressive Lesions - What the Pathologist and Surgeon Want to Know [Carol Morris, MD, MS](#), [Julie Fanburg-Smith, MD](#)

11:20 am Indeterminate Chondroid Lesions - Radiologist and Pathologist Perspectives [Catherine McCarthy, MBChB](#), [Judith Bovee, MD, PhD](#)

11:35 am Challenging Marrow Changes - When Fat is Good [Frederic LeCouvret, MD](#)

11:50 am Q&A

12:00 pm - 1:00 pm Industry Innovation Workshop (limited space/separate registration required) [Windsor](#)

12:00 pm - 1:30 pm LUNCH (on your own)

1:30 pm - 3:00 pm SOFT TISSUE TUMORS Moderators: Marcio Duarte, MD, PhD, Sinchun Hwang, MD

1:30 pm Overview of International Society of Bone and Soft Tissue Pathology (ISBSTP) [Julie Fanburg-Smith, MD](#)

1:35 pm Post-treatment Changes of Soft Tissue Tumors - How Can the Radiologist Help [Ana Navas, MD](#)

1:50 pm Vascular Lesions - Diagnosis and Treatment [Hakan Ilaslan, MD](#)

2:05 pm Myxoid Tumors - How to Stay Out of Trouble [Kambiz Motamedi, MD](#)

2:20 pm Intra-articular Tumors - Usually Benign, Except When They Are Not [Mark Kransdorf, MD](#)

2:35 pm Tumor Mimickers - A Sheep in Lion's Clothing [Jim Wu, MD](#)

2:50 pm Q&A

3:00 pm - 3:30 pm BREAK

3:30 pm - 5:00 pm ARTHRITIS Moderators: Tamotsu Kamishima, MD, PhD, Zaid Jibri, MBChB, MRCSEd, FRCR

3:30 pm Overview of Japanese Society of Musculoskeletal Radiology (JSMR) [Yuko Kobashi, MD](#)

3:35 pm Ultrasound Evaluation of Arthritis [Jon Jacobson, MD](#)

3:50 pm Wrist MRI in Early RA [Aline Serfaty, MD, PhD](#)

4:05 pm Imaging in Axial SpA: Protocols and Reporting [James Teh, BSc MBBS MRCP FRCR](#)

4:20 pm Gouty Arthritis: Crystal Clear [Eun Hae Park, MD](#)

4:35 pm What's New in Osteoarthritis [Frank Roemer, MD](#)

4:50 pm Q&A

INTERACTIVE SESSIONS Mountbatten (6th Floor)

CONCURRENT SESSION 3A

10:30 am - 12:00 pm CASE REVIEW WITH THE EXPERTS - UPPER EXTREMITY Moderators: Simon Ostlere, FRCR, FRCR, Andrea Roskopf, MD

10:30 am Shoulder [Soterios Gyftopoulos, MD](#)

10:45 am Elbow [Lynne Steinbach, MD](#)

11:00 am Wrist [Joong Mo Ahn, MD](#)

11:15 am Hand and Fingers [Connie Chang, MD](#)

11:30 am Arthritic Lesions of the Upper Extremity [Filippo Del Grande, MD](#)

11:45 am Tumorous Lesions of the Upper Extremity [Lawrence White, MD](#)

12:00 pm - 1:00 pm Industry Innovation Workshop (limited space/separate registration required) [Windsor](#)

12:00 PM - 1:30 PM LUNCH (on your own)

1:30 pm - 3:00 pm CASE REVIEW WITH THE EXPERTS - LOWER EXTREMITY Moderators: Jenny Bencardino, MD, Robert Campbell, MD

1:30 pm Pelvis [Suzanne Anderson, MD, PhD](#)

1:45 pm Hip [Mohammad Samim, MD](#)

2:00 pm Knee [D. Lee Bennett, MD, FACR](#)

2:15 pm Ankle [Michael Fox, MD, FACR](#)

2:30 pm Hindfoot - Midfoot [Alice Ha, MD](#)

2:45 pm Forefoot [Kathryn Stevens, MD, BS \(hons\)](#)

3:00 PM - 3:30 PM BREAK

3:30 pm - 5:00 pm CASE REVIEW WITH THE EXPERTS - INFECTION/METABOLIC Moderators: Atul Taneja, MD, PhD, Violeta Vasilevska Nikodinovska, MD, PhD, MSc

3:30 pm Metabolic Bone Disease [Maria Pilar Aparisi Gomez, MBChB](#)

3:45 pm Diabetes and the MSK System [Johnny Monu, MB, BS, MS](#)

4:00 pm MSK Infection Mimickers [Iva Brcic, MD, PhD](#)

4:15 pm MSK Infection - In the Emergency Department [Nicholas Nacey, MD](#)

4:30 pm MSK Infection - Tuberculosis and Atypical Infections [Wilfred Peh, MD](#)

4:45 pm Infectious Arthritis [Mahesh Prakash, MD](#)



DAY 2 MUSCULOSKELETAL IMAGING AND REFRESHER COURSE

SPORTS MEDICINE IMAGING Fleming (3rd Floor) CONCURRENT SESSION 1B

8:00 am - 10:00 am **COMMON MISTAKES IN SPORTS IMAGING** Moderators: Francisco Chagas-Neto, MD, PhD, Adnan Sheikh, MD

- 8:00 am Overview of Brazilian College of Radiology and Diagnostic Imaging (CBR) [Marcelo Bordalo-Rodrigues, MD](#)
- 8:05 am Common Mistakes on Imaging of Elbows in Youth Baseball Players [Jie Nguyen, MD](#)
- 8:20 am Common Mistakes in Ankle and Foot Injuries in Athletes [Mark Anderson, MD](#)
- 8:35 am Common Mistakes in Ligament Injuries of the Knee in Athletes [Linda Probyn, MD](#)
- 8:50 am Common Mistakes in Meniscal Injuries in Athletes [Eric Chang, MD](#)
- 9:05 am Common Mistakes in Subchondral Bone Lesions in Athletes [Tetyana Gorbachova, MD](#)
- 9:20 am Common Mistakes in Shoulder Injuries in Athletes [William Palmer, MD](#)
- 9:35 am Common Mistakes in Groin Pain Classifications [Tatiane Cantarelli, MD](#)
- 9:50 am Q&A

10:00 AM - 10:30 AM **BREAK**

10:30 am - 12:00 pm **CHEST WALL INJURIES IN SPORTS** Moderators: Erin Alaia, MD, Tim Dickson, BMed, MMed, FRANZCR

- 10:30 am Overview of Asian Musculoskeletal Society (AMS) [James Griffith, MD, MRCP, FRCR](#)
- 10:35 am MR Imaging Patterns: Weight Lifting and Strength Training Shoulder Injuries [Hema Choudur, MBBS, FRCPC](#)
- 10:50 am Imaging of Thoracic Injury in Rugby Players [Daichi Hayashi, MD](#)
- 11:05 am Update on Pectoralis Major Imaging [Ivan Godoy, MD](#)
- 11:20 am MR Neurography - Brachial Plexus Injuries [Darryl Sneag, MD](#)
- 11:35 am MRI Postoperative Imaging of Chest Wall Sport Injuries [Thomas Magee, MD](#)
- 11:50 am Q&A

12:00 pm - 1:00 pm Industry Sponsored Product Theater Lunch (space is limited) [Windsor](#)

12:00 PM - 1:30 PM **LUNCH** (on your own)

1:30 pm - 3:00 pm **MUSCLE INJURIES IN ATHLETES** Moderators: Andrew Grainger, BM, BS, MRCP, FRCR, Emma Rowbotham, BSc, MB, Bchir, FRCR

- 1:30 pm Overview of British Society of Skeletal Radiologists (BSSR) [Edward Sellon, FRCR](#)
- 1:35 pm Quadriceps [Steven James, MD](#)
- 1:50 pm Hamstrings [Pia Jungmann, MHBA](#)
- 2:05 pm Gastrocnemius and Soleus Injuries [Christian Glaser, MD](#)
- 2:20 pm Upper Extremity Injuries [Emma Rowbotham, BSc, MB, Bchir, FRCR](#)
- 2:35 pm Can We Predict Healing [Jaime Isern Kebschull, MD, PhD](#)
- 2:50 pm Q&A

3:00 PM - 3:30 PM **BREAK**

COMBINED SESSION Fleming / Whittle (3rd Floor)

3:30 pm - 5:00 pm **Film Quiz Panel**



THURSDAY, OCTOBER 12

MUSCULOSKELETAL DISEASE Whittle (3rd Floor)

CONCURRENT SESSION 2B

8:00 am - 10:00 am **SPECIAL INTEREST TOPIC - FUNCTIONAL MSK IMAGING** Moderators: Laura Fayad, MD, Patrick Omoumi, MD

- 8:00 am Overview of Sociedad Española de Radiología Músculoesquelética (SERME) [Joan C. \(Kai\) Vilanova, MD, PhD](#)
- 8:05 am Functional MR Imaging for the Characterization of Osteomyelitis in the Diabetic Foot [Joan C. \(Kai\) Vilanova, MD, PhD](#)
- 8:20 am Multi-parametric MR Imaging in Bone Tumors [Heike Daldrop-Link, MD](#)
- 8:35 am Advanced MR Imaging after Cartilage Repair Surgery [Siegfried Trattig, MD](#)
- 8:50 am Zero Echo Time Musculoskeletal MRI: Technique, Optimization, Applications and Pitfalls [Ustun Aydingoz, MD](#)
- 9:05 am Photon Counting CT in MSK Imaging [Andreas Kunz, MD](#)
- 9:20 am Post-processing in MSK: What is New? [Alain Blum, MD, PhD](#)
- 9:35 am Fast Imaging/AI [Jan Fritz, MD](#)
- 9:50 am Q&A

10:00 am - 10:30 am **BREAK**

10:30 am - 12:00 pm **MSK INTERVENTIONS** Moderators: Georgina Allen, FRCR MScSEM, Connie Chang, MD

- 10:30 am Overview of Societe d'imagerie Musculo-squelettique (SIMS) [Valérie Bousson, MD, PhD](#)
- 10:35 am Advancements in Musculoskeletal Interventions for the Treatment of Metastatic Disease [Jack Jennings, MD, PhD](#)
- 10:50 am Percutaneous CT-guided Pelvic and Spine Intervention Using an Electromagnetic Navigation System [Valérie Bousson, MD, PhD](#)
- 11:05 am Percutaneous Discectomy Under CT and Fluoroscopy Guidance [Nicolas Theumann, MD](#)
- 11:20 am Interventional Cryoablation and Cementoplasty [Adnan Sheikh, MD](#)
- 11:35 am Spondylololsthesis Due Pars Interarticularis Lysis in Sportsmen: The Role of Percutaneous Screw Fixation Under CT Guidance [Nicolas Amoretti, MD](#)
- 11:50 am Q&A

12:00 pm - 1:00 pm **Industry Sponsored Product Theater Lunch (space is limited)** [Windsor](#)

12:00 pm - 1:30 pm **LUNCH** (on your own)

1:30 pm - 3:00 pm **METABOLIC/INFECTION** Moderators: Khaled Matrawy, MD, Nogah Shabshin, MD, MBA, BSc

- 1:30 pm Overview of Argentine Federation of Radiology (FAARDIT) [Cristian Daher, MD](#)
- 1:35 pm Evolving Role of MRI in Diagnosing Periprosthetic Joint Infection [Jan Fritz, MD](#)
- 1:50 pm Imaging Assessment in Infectious Spondylodiscitis [Claus Simpfendorfer, MD](#)
- 2:05 pm Imaging Mimickers of Musculoskeletal Infection [Ivan Godoy, MD](#)
- 2:20 pm Body Composition in Children: Key Points for the General MSK Radiologist [Paolo Simoni, MD, PhD](#)
- 2:35 pm Imaging of Brown Adipose Tissue: Key Points for the MSK Radiologist [Miriam Bredella, MD](#)
- 2:50 pm Q&A

3:00 pm - 3:30 pm **BREAK**

COMBINED SESSION Fleming / Whittle (3rd Floor)

3:30 pm - 5:00 pm **Film Quiz Panel**



DAY 2 MUSCULOSKELETAL IMAGING AND REFRESHER COURSE

INTERACTIVE SESSIONS *Mountbatten (6th Floor)*

CONCURRENT SESSION 3B

8:00 am - 10:00 am

INTERACTIVE SPONDYLOARTHRITIS SESSION I Moderators: Kay-Geert Hermann, MD, Robert Lambert, MB, FRCPC
Presenters: Kay-Geert Hermann, MD, Clarissa Canella, MD, Monique Reijnierse, MD, PhD, Jacob Jaremko, MD, PhD, Mikkel Østergaard, MD, PhD

Fundamentals of MRI of the SIJ Including Anatomy
MRI in Early and Established SpA (including SpA versus osteoarthritis)
Differential Diagnosis (including osteitis condensans ilii and pregnancy)
Juvenile SpA and Differentials
Clinical Aspects of SpA and Role of MRI in Follow-up
Q&A

10:00 am - 10:30 am

BREAK

10:30 am - 12:00 pm

INTERACTIVE SPONDYLOARTHRITIS SESSION II Moderators: Kay-Geert Hermann, MD, Robert Lambert, MB, FRCPC
Presenters: Robert Lambert, MB, FRCPC, Iris Eshed, MD, Winston Rennie, MB, MSc, FRCR, Torsten Diekhoff, MD

Spine MRI in SpA and Differentials (Focus on patterns of active inflammation)
Other Spinal Diseases as Differentials of SpA (Focus on structural damage & DISH)
Complex Cases
Role of New Techniques in SpA, Including Low-dose CT, DECT, SWI and Bone MRI
Q&A

12:00 pm - 1:00 pm

Industry Sponsored Product Theater Lunch (space is limited) *Windsor*

12:00 pm - 1:30 pm

LUNCH (on your own)

1:30 pm - 3:00 pm

MSK INTERVENTIONS - HOW I DO IT Moderators: Alberto Bazzocchi, MD, PhD, Gregory Cowderoy, MBBS, FRANZCR

1:30 pm US Guided Interventions - Percutaneous treatment of Morton's Neuroma *Danoob Dalili, MBBS, FRCR*
1:45 pm Ultrasound-guided Percutaneous Needle Treatments of the Hand *Franck Lapegue, MD*
2:00 pm Quadrant Approach to Diagnostic and Interventional Sonography of the Wrist and Hand *Dyan Flores, MD*
2:15 pm Ultrasound Guided Carpal Tunnel Release *David Petrover, MD*
2:30 pm US Guided Peripheral Nerve Interventions: Blocks, Hydrodissections, Ablations: When, Where and How? *Hema Choudur, MBBS, FRCPC*
2:45 pm Cryoablation in the Musculoskeletal System *Thomas Le Corroller, MD, PhD*

COMBINED SESSION *Fleming / Whittle (3rd Floor)*

3:30 pm - 5:00 pm

Film Quiz Panel



DAY 3

FRIDAY, OCTOBER 13

SPORTS MEDICINE IMAGING Fleming (3rd Floor)

CONCURRENT SESSION 1C

8:00 am - 10:00 am **PELVIS AND HIP** Moderators: Donna Blankenbaker, MD, Christopher Beaulieu, MD, PhD

- 8:00 am Overview of Society of Skeletal Radiology (SSR) [Donna Blankenbaker, MD](#)
- 8:05 am Current Concepts in Imaging the Abductor Tendons [Nathalie Bureau, MD, MSc](#)
- 8:20 am Extra-articular Impingement and Tendon Injuries [Philip Robinson, FRCR](#)
- 8:35 am Core Injury Update [Adam Zoga, MD](#)
- 8:50 am Key Concepts in Labrum & Cartilage Assessment: What the Surgeon Wants to Know [Hugue Ouellette, MD](#)
- 9:05 am Current Status of FAI: Controversies & Challenges [Reto Sutter, MD](#)
- 9:20 am Post-op Hip: What the Surgeon Wants to Know [Angela Atinga, MD](#)
- 9:35 am Bone & Soft Tissue Assessment for Classification of Pelvic Ring Injuries [Surabhi Choudhary, MD, FRCR](#)
- 9:50 am Q&A

10:00 AM - 10:30 AM **BREAK**

10:30 am - 12:00 pm **MRI KNEE PITFALLS** Moderators: Robert Campbell, MD, Joseph Craig, MD

- 10:30 am Overview of South African Musculoskeletal Imaging Group (SAMSIG) [Shaun Scheepers, MD](#)
- 10:35 am Pitfalls Imaging the Meniscus [Sana Boudabbous, MD](#)
- 10:50 am Pitfalls Imaging the Cruciates - Partial Thickness ACL Tears [Ali Guermazi, MD, PhD, MSc](#)
- 11:05 am Imaging the Posterolateral Corner - What Matters [Andrew Grainger, BM, BS, MRCP, FRCR](#)
- 11:20 am Patellofemoral Tracking - What Matters in the Report [Robert Boutin, MD](#)
- 11:35 am Imaging Fluid Around the Knee - What Do We Call It [Andrew Sonin, MD, FACR](#)
- 11:50 am Q&A

12:00 PM - 1:30 PM **LUNCH** (on your own)

1:30 pm - 3:00 pm **FOOT AND ANKLE** Moderators: Sally Sojan, MBBS, FRANZCR, Pia Jungmann, MHBA

- 1:30 pm Overview of Australasian Musculoskeletal Imaging Group (AMSIG) [Tim Dickson, BMed, MMed, FRANZCR](#)
- 1:35 pm Tendon and Retinaculum Injuries of the Foot and Ankle [Jenny Bencardino, MD](#)
- 1:50 pm Mid Foot (Chopart) Injuries - Multimodality [Tim Dickson, BMed, MMed, FRANZCR](#)
- 2:05 pm Hindfoot Injuries [Anagha Parkar, MD, PhD](#)
- 2:20 pm Metatarsalgia - Central and Unusual Causes [Hilary Umans, MD](#)
- 2:35 pm Pre and Post Operative Imaging of the Foot and Ankle [Mark Schweitzer, MD](#)
- 2:50 pm Q&A

3:00 PM - 3:30 PM **BREAK**

COMBINED SESSION Fleming / Whittle (3rd Floor)

3:30 pm - 5:00 pm **THE RADIOLOGY WORKFORCE: CURRENT CHALLENGES AND CHANGING NEEDS** Moderators: Miriam Bredella, MD, Matthew Bucknor, MD

- 3:30 pm Overview and Mission of DEI Committee [Miriam Bredella, MD](#)
- 3:35 pm Why Diversity Matters - Case Studies from the Radiologist's and Patient's Perspective [Daichi Hayashi, MD](#)
- 3:50 pm How to Recruit a Diverse Radiology Workforce [James Griffith, MD, MRCP, FRCR](#)
- 4:05 pm Inclusive Mentorship: How to Retain and Promote your Radiologists [Stacy Smith, MD](#)
- 4:20 pm Strategies for Remote Work [Bethany Casagrande, MD](#)
- 4:35 pm Addressing Burnout in Radiology: Strategies for Well-being [Matthew Bucknor, MD](#)
- 4:50 pm Q&A



FRIDAY, OCTOBER 13

MUSCULOSKELETAL DISEASE Whittle (3rd Floor)

CONCURRENT SESSION 2C

8:00 am - 10:00 am **SPECIAL INTEREST TOPIC - CONTROVERSIES IN MSK IMAGING**
 Moderators: Joan C. (Kai) Vilanova, MD, PhD, Violeta Vasilevska Nikodinovska, MD, PhD, MSc

8:00 am	Overview of Swiss Society of Musculoskeletal Radiology (SSSR) Filippo Del Grande, MD
8:05 am	Low Field vs. High Field MSK Imaging Low Field Kenneth Buckwalter, MD, MS, MBA High Field MSK Imaging Jeffrey Peterson, MD
8:20 am	Whole Body MRI vs Low Dose CT for Multiple Myeloma Whole Body MRI Frederic LeCouvret, MD Low Dose CT for Multiple Myeloma Tudor Hughes, MBBS, MD
8:35 am	Imaging Report and Data System (RADS) for Bone Tumors: How To Report? Jim Wu, MD
8:50 am	Opportunistic Imaging: What Should Be Reported? Roman Guggenberger, MD
9:05 am	MR Arthrography - Is It Necessary? Russell Fritz, MD, FACR
9:20 am	MRI for Muscle Injuries Shadpour Demehri, MD
9:35 am	US for Muscle Injuries Georgina Allen, FRCR MScSEM
9:50 am	Q&A

10:00 AM -10:30 AM **BREAK**

10:30 am - 12:00 pm **UPDATE IN HARDWARE IMAGING** Moderators: David Rubin, MD, Simon Ostlere, FRCP, FRCR

10:30 am	Overview of Korean Society of Musculoskeletal Radiology (KSMR) Sun-Joo Lee, MD
10:35 am	Fixation Hardware: The Old and the New Kirkland Davis, MD
10:50 am	CT Imaging around Hardware: Tips and Tricks Kenneth Buckwalter, MD, MS, MBA
11:05 am	MR Imaging Around Hardware: Tips and Tricks Nogah Shabshin, MD, MBA, BSc
11:20 am	MR Imaging Following Total Hip Arthroplasty Theodore Miller, MD
11:35 am	Medical Device Security for Radiologists - What You Don't Know Can Hurt You Kimberley Amrami, MD
11:50 am	Q&A

12:00 PM - 1:30 PM **LUNCH** (on your own)

1:30 pm - 3:00 pm **PERIPHERAL NERVES** Moderators: Stephen Broski, MD, Roman Guggenberger, MD

1:30 pm	Overview of Musculoskeletal Society of India (MSS) Varaprasad Vemuri, MD
1:35 pm	MR Neurography - Technical Consideration Joon-Yong Jung, MD
1:50 pm	MRI of Peripheral Nerve Injuries Shivani Ahlawat, MD
2:05 pm	Non-traumatic Nerve Lesions Kenneth Lee, MD
2:20 pm	MR Neurography of Pelvis and Lumbosacral Plexus Jenny Bencardino, MD
2:35 pm	Peripheral Nerve Tumors Laura Fayad, MD
2:50 pm	Q&A

3:00 PM - 3:30 PM **BREAK**

COMBINED SESSION Fleming / Whittle (3rd Floor)

3:30 pm - 5:00 pm **THE RADIOLOGY WORKFORCE: CURRENT CHALLENGES AND CHANGING NEEDS** Moderators: Miriam Bredella, MD, Matthew Bucknor, MD

3:30 pm	Overview and Mission of DEI Committee Miriam Bredella, MD
3:35 pm	Why Diversity Matters - Case Studies from the Radiologist's and Patient's Perspective Daichi Hayashi, MD
3:50 pm	How to Recruit a Diverse Radiology Workforce James Griffith, MD, MRCP, FRCR
4:05 pm	Inclusive Mentorship: How to Retain and Promote your Radiologists Stacy Smith, MD
4:20 pm	Strategies for Remote Work Bethany Casagrande, MD
4:35 pm	Addressing Burnout in Radiology: Strategies for Well-being Matthew Bucknor, MD
4:50 pm	Q&A



DAY 3 MUSCULOSKELETAL IMAGING AND REFRESHER COURSE

INTERACTIVE SESSIONS Mountbatten (6th Floor)

CONCURRENT SESSION 3C

8:00 am - 10:00 am **CASE REVIEW WITH THE EXPERTS - PEDIATRICS**
Moderators: Maria Pilar Aparisi Gomez, MBChB, Paolo Simoni, MD, PhD

- 8:00 am CRMO and Mimickers [Iris Eshed, MD](#)
- 8:15 am Diagnosis and Treatment Monitoring of Pediatric Sarcomas: DWI vs FDG PET [Heike Daldrup-Link, MD](#)
- 8:30 am Soft Tissue Tumors [Hee Kyung Kim, MD](#)
- 8:45 am Juvenile OCD [Jie Nguyen, MD](#)
- 9:00 am Whole-body MRI in Pediatric Musculoskeletal Disorders [Julio Brandao Guimaraes, MD](#)
- 9:15 am Pediatric Sacroiliitis [Nele Herregods, MD, PhD](#)
- 9:30 am MSK Infection [Maria Pilar Aparisi Gomez, MBChB](#)
- 9:45 am Normal and Abnormal Findings in Pediatric Musculoskeletal Ultrasound [Yi Ting Lim, FRCR](#)

10:00 AM - 10:30 AM **BREAK**

10:30 am - 12:00 pm **TUMOR BIOPSIES: INDICATIONS, CHALLENGES, AND PITFALLS** Moderators: Sinchun Hwang, MD, Gunnar Astrom, MD, PhD

- 10:30 am Biopsy Approach - What Matters to the Surgeon [Paul Cool, MD](#)
- 10:45 am Where to Biopsy - What Matters to the Pathologist [Adrienne Flanagan, MB, BCh, PhD](#)
- 11:00 am Lipomatous Tumors - When to Biopsy [Sinchun Hwang, MD](#)
- 11:15 am Cystic Lesions - When to Biopsy [Daniel Wessell, MD, PhD](#)
- 11:30 am Chondroid Tumors [Henk-Jan Van der Woude, MD, PhD](#)
- 11:45 am No Touch Lesions: When NOT to Biopsy [Thomas Link, MD, PhD](#)

12:00 PM - 1:30 PM **LUNCH** (on your own)

1:30 pm - 3:00 pm **CASE REVIEW WITH THE EXPERTS - SPINE** Moderators: Paul Reidler, MD, Leon Toye, MD

- 1:30 pm Disc Pathology - Pitfalls [Amanda Isaac, MBChB, MRCS, FRCR](#)
- 1:45 pm Degenerative Spine - Beyond the Discs [Harun Gupta, MBBS, MD](#)
- 2:00 pm Vertebral Lesions - Benign or Malignant? [Patrick Omoumi, MD](#)
- 2:15 pm Uncommon Spine Disorders [Iman Khodarahmi, MD, PhD](#)
- 2:30 pm Spinal Trauma [Iris Noebauer-Huhmann, MD](#)
- 2:45 pm Post-operative Spine [Carsten Hackenbroch, MD](#)

3:00 PM - 3:30 PM **BREAK**

COMBINED SESSION Fleming / Whittle (3rd Floor)

3:30 pm - 5:00 pm **THE RADIOLOGY WORKFORCE: CURRENT CHALLENGES AND CHANGING NEEDS** Moderators: Miriam Bredella, MD, Matthew Bucknor, MD

- 3:30 pm Overview and Mission of DEI Committee [Miriam Bredella, MD](#)
- 3:35 pm Why Diversity Matters - Case Studies from the Radiologist's and Patient's Perspective [Daichi Hayashi, MD](#)
- 3:50 pm How to Recruit a Diverse Radiology Workforce [James Griffith, MD, MRCP, FRCR](#)
- 4:05 pm Inclusive Mentorship: How to Retain and Promote your Radiologists [Stacy Smith, MD](#)
- 4:20 pm Strategies for Remote Work [Bethany Casagrande, MD](#)
- 4:35 pm Addressing Burnout in Radiology: Strategies for Well-being [Matthew Bucknor, MD](#)
- 4:50 pm Q&A