

DAY 1

MUSCULOSKELETAL IMAGING AND REFRESHER COURSE

WEDNESDAY, OCTOBER 7, 2020

COMBINED SESSION

8:00am - 8:10am	INTRODUCTION Mini N. Pathria, MD	8:55am - 9:10am	Failure of the Femoral Head in Osteonecrosis Bruno Vande Berg, MD, PhD
8:10am - 10:00am	OPENING SESSION Moderators: Lawrence White, MD, Christine Chung, MD, Francisco Aparisi-Rodriguez, MD	9:10am - 9:30am	Bone and Soft Tissue Vascularity: Advances in Perfusion Imaging Pedro Teixeira, MD, PhD
8:10am - 8:30am	Osteonecrosis, Transient Osteopenia and Subchondral Insufficiency Fractures: Pathological Aspects S. Fiona Bonar, MB, FRCPath, FRCPA	9:30am - 9:45am	Vascular Tumors: Current Nomenclature Mark Murphey, MD
8:30am - 8:55am	Osteonecrosis, Transient Osteopenia, and Subchondral Insufficiency Fractures: Dogma and Dilemma Donald Resnick, MD	9:45am - 10:00am	Soft Tissue Arteriovenous Malformation in Adults: Current Concepts Matias de Albert, PhD

BREAK 10:00AM - 10:30AM

SPORTS MEDICINE IMAGING

10:30am - 12:00pm	SHOULDER Moderators: Michael Zlatkin, MD, Kyung Nam Ryu, MD, PhD
10:30am - 10:45am	Radiology-Arthroscopy Correlation: Rotator Cuff Disorders Michael Tuite, MD
10:45am - 11:00am	Radiology-Arthroscopy Correlation: Shoulder Instability William Palmer, MD
11:00am - 11:15am	Muscle Disorders of the Shoulder Nathalie Bureau, MD, MSc
11:15am - 11:30am	Rotator Interval and Biceps Andreas Heuck, MD
11:30am - 11:45am	Injuries in the Overhead Throwing Athlete Martin Torriani, MD, MMSc
11:45am - 12:00am	Post-operative Shoulder Maria Jose Ereno Ealo, MD, PhD
12:00pm - 1:30pm	LUNCH ON OWN
1:30pm - 3:00pm	ELBOW: (SAM) Moderators: Tobias Dietrich, MD, Atul Taneja, MD
1:30pm - 1:45pm	Elbow Injuries in the Throwing Athlete Hugue Ouellette, MD
1:45pm - 2:00pm	Ultrasound of the Ulnar Collateral Ligament Jon Jacobson, MD
2:00pm - 2:15pm	Valgus Extension Overload Reto Sutter, MD
2:15pm - 2:30pm	Imaging of Osteochondritis Dissecans of the Elbow William Palmer, MD
2:30pm - 2:45pm	Traumatic Instability of the Elbow Christoph Schaeffeler, MD
2:45pm - 3:00pm	Elbow Tendon Pathology Marco Zanetti, MD
3:00pm - 3:30pm	BREAK
3:30pm - 5:00pm	WRIST AND HAND Moderators: Hiroshi Yoshioka, MD, PhD, Rainer Schmitt, MD, PhD
3:30pm - 3:45pm	Carpal Ligament Instability Update Thomas Moser, MD, MSc
3:45pm - 4:00pm	TFC Complex Injuries Update Luis Cerezal, MD, PhD
4:00pm - 4:15pm	MRI of Guyon's Canal Leon Toye, MD
4:15pm - 4:30pm	Carpal Tunnel Syndrome: From Diagnosis to Ultrasound Guided Percutaneous Treatment David Petrover, MD
4:30pm - 4:45pm	Hand and Wrist Dynamic Ultrasound Marta Oñate Miranda, MD
4:45pm - 5:00pm	ECU Tendon Instability. When Does it Matter? Robert Campbell, MD

MUSCULOSKELETAL DISEASE

10:30am - 12:00pm	BONE TUMORS AND BONE MARROW Moderators: Henk-Jan Van der Woude, MD, PhD, Hakan Ilaslan, MD
10:30am - 10:40am	What's New in the 2019 WHO for Bone Tumors Scott Kilpatrick, MD
10:40am - 10:50am	Multiple Myeloma and MY-RADS Update Michael Mulligan, MD
10:50am - 11:00am	Whole Body MR for Bone Lesions Frederic LeCouvret, MD
11:00am - 11:10am	Post-operative Change vs Recurrent Tumor Laura Fayad, MD
11:10am - 11:20am	How to Distinguish Incidental Bone Lesions and When to Worry Mark Kransdorf, MD
11:20am - 11:30am	Can CT Evaluation Distinguish Blastic Mets from Enostosis: Update Hillary W. Garner, MD
11:30am - 11:40am	New Concepts in Enchondroma vs Chondrosarcoma Johan Bloem, MD
11:40am - 11:50am	Imaging of LCH: How Can We Help? Mark Murphey, MD
11:50am - 12:00pm	Biopsy of Bone Lesions: Tips and Tricks of the Trade Connie Chang, MD
12:00pm - 1:30pm	LUNCH ON OWN
1:30pm - 3:00pm	SOFT TISSUE TUMORS Moderators: Iris Noebauer-Huhmann, MD, E. Remide Arkun, MD
1:30pm - 1:40pm	What's New in the 2019 WHO for Soft Tissue Tumors Julie Fanburg-Smith, MD
1:40pm - 1:50pm	Whole Body MRI for Soft Tissue Tumors Shivani Ahlawat, MD
1:50pm - 2:00pm	Staging of Soft Tissue Neoplasms: What is Important to the Orthopedic Oncologist Stephanie Bernard, MD
2:00pm - 2:10pm	Lipoma versus Liposarcoma: Rules of the Road B. Matthew Howe, MD
2:10pm - 2:20pm	The Myxoid Lesion: How Do I Stay Out of Trouble Stacy Smith, MD
2:20pm - 2:30pm	Update on Imaging of Fibromatosis Hassan Douis, MD, MRCP, FRCR
2:30pm - 2:40pm	The Post-Operative Soft Tissue Tumor: How Can I Help Francesca D. Beaman, MD
2:40pm - 2:50pm	How and When is MSK US Most Helpful Clarissa Canella, MD, PhD
2:50pm - 3:00pm	Biopsy of Soft Tissue Tumors: Tips and Tricks of the Trade Kambiz Motamedi, MD
3:30pm - 5:00pm	INTERVENTIONAL TECHNIQUES Moderators: Peter Munk, MDCM, FRCPC, FSIR, Jean-Denis Laredo, MD
3:30pm - 3:45pm	Top Five Tips for Undertaking Ultrasound Guided MSK Intervention Marnix Van Holsbeeck, MD
3:45pm - 4:00pm	An Update on Imaging Guided Tendon Treatment Gregory Cowderoy, MD
4:00pm - 4:15pm	The Growing Role of MSK Interventional Oncology in the Treatment of Cancer Patients Jack Jennings, MD, PhD
4:15pm - 4:30pm	Do Steroids Cause Tendon Damage, What is the Evidence? Emma Rowbotham, BSc, MB, BChir, FRCR
4:30pm - 4:45pm	Sports Intervention - Techniques and Evidence Kenneth Lee, MD
4:45pm - 5:00pm	Nothing Spoils a Good Procedure Like Follow-up; What Data Should MSK Radiologists be Recording? Ian Beggs, FRCPE, FRCR

WELCOME RECEPTION 6:30PM - 8:30PM

SPORTS MEDICINE IMAGING

8:00am - 10:00am	FRACTURES AND STRESS INJURY OF BONE Moderators: Apostolos Karantanas, MD, PhD, Josef Kramer, MD
8:00am - 8:10am	History and Pathophysiology of Bone Stress Ramy Mansour, MBChB, MSc, FRCR
8:10am - 8:20am	Juvenile Stress Fractures James Teh, BSc, MBBS, MRCP, FRCR
8:20am - 8:30am	Pars interarticularis Stress Injury Gajan Rajeswaran, MBBS, FRCR
8:30am - 8:40am	Stress Fractures in Soccer Rosa Monica Rodrigo, MD
8:40am - 8:50am	Unusual Stress Fractures Richard de Villiers, M.Med
8:50am - 9:00am	Stress Fractures - What We Don't See on Routine Imaging Mark Cresswell, MD
9:00am - 9:15am	Stress Fractures - What Conditions Can Simulate Them? Catherine McCarthy, MBChB
9:15am - 9:30am	Sarcopenia and Bone Composition in Sports Fernando Idoate, PhD
9:30am - 9:45am	Non-Union and Fracture Complications Mark Schweitzer, MD
9:45am - 10:00am	Atypical Femoral Fractures Linda Probyn, MD
10:00am - 10:30am	BREAK
10:30am - 12:00pm	THE TECH SAVVY RADIOLOGIST Moderators: Michael Tuite, MD, Soterios Gyftopoulos, MD
10:30am - 10:40am	MSK Core Curriculum: Project of the ISS and SSR Michael Recht, MD
10:40am - 10:50am	Useful Phone Apps and Websites for Clinical Radiologists Kenneth Buckwalter, MD, MS, MBA
10:50am - 11:00am	Joining and Using OCAD Hilary Umans, MD
11:00am - 11:10am	Social Media in Radiology: Twitter, Facebook, Instagram, etc. Soterios Gyftopoulos, MD
11:10am - 11:20am	Electronic Databases for Research: Excel, REDcap, Google Forms, Survey Monkey Naveen Subhas, MD
11:20am - 11:30am	Cloud-based Collaboration Tools: Google Docs, Dropbox, OneDrive Joshua Polster, MD
11:30am - 11:40am	MSK Radiology on YouTube Christopher Beaulieu, MD, PhD
11:40am - 11:50am	Interactive Image-Based Education Michael Richardson, MD
11:50am - 12:00pm	Cybersecurity and You - Medical Device Security in the Internet Age Kimberly Amrami, MD
12:00pm - 1:30pm	LUNCH ON OWN
1:30pm - 3:00pm	MUSCLE, ABDOMINAL AND CHEST WALL INJURY Moderators: Marc-Andre Weber, MD, MSc Adam Zoga, MD
1:30pm - 1:45pm	Muscle Injuries in Sports - Ultrasound Versus MRI Michel Crema, MD
1:45pm - 2:00pm	Muscle Injuries on MRI - What to Report and Does It Really Matter? Bruce Forster, MD, MSc, FRCPC
2:00pm - 2:15pm	Core Muscle injuries: Focus on Chest and Abdominal Wall Steven James, MBChB, FRCR
2:15pm - 2:30pm	Core Muscle Injuries: Focus on Groin Jonathan Baker, MD
2:30pm - 2:45pm	Muscle Injuries in Children - Special Considerations Hee Kyung Kim, MD
2:45pm - 3:00pm	Muscle Injuries - MRI Prognostication and When to Return to Play George Koulouris, MD, MBBS, MMed, FRANZCR
3:00pm - 3:30pm	BREAK

MUSCULOSKELETAL DISEASE

8:00am - 10:00am	SPINE Moderators: David Wilson, MBBS, MSc, FRCR, FRCR, Suzanne Anderson, MD, PhD
8:00am - 8:20am	Vertebral Fracture: Benign vs Malignant Andrea Baur-Melnyk, MD
8:20am - 8:35am	A Closer Look at the Vertebral Endplate Klaus Friedrich, MD
8:35am - 8:55am	Spine Infection Claus Simpfendorfer, MD
8:55am - 9:15am	Unexpected Nontraumatic Findings in the Spine Julia Crim, MD
9:15am - 9:30am	Disc-Related Epidural Hematoma Radhesh Lalam, MBBS, MRCS, FRCR
9:30am - 9:45am	Spine Surgery: When Things Go Wrong Jean-Francois Budzik, MD, PhD
9:45am - 10:00am	Acute Spine Trauma: Best Use of MRI D. Lee Bennett, MD
10:00am - 10:30am	BREAK
10:30am - 12:00pm	ARTHRITIS (SAM) Moderators: Frank Roemer, MD, Christian Glaser, MD
10:30am - 10:45am	Target Approach to Arthritis Donald Resnick, MD
10:45am - 11:00am	Early Diagnosis of Rheumatoid Arthritis Jose Narvaez, PhD
11:00am - 11:10am	Quantitative Assessment of Inflammation in ERA James Griffith, MD, MRCP, FRCR
11:10am - 11:25am	Sacroiliitis: Differential Considerations and How to Distinguish Robert Lambert, MB, FRCPC
11:25am - 11:35am	Cone-Beam Computed Tomography of Arthritis Mats Geijer, MD, PhD
11:35am - 11:50am	Role of Inflammation and How Do We Evaluate Ali Guerhazi, MD, PhD
11:50am - 12:00pm	Role of Dual Energy CT in Arthritis Evaluation: Technical and Diagnostic Tips Katrina Glazebrook, MBChB
12:00pm - 1:30pm	LUNCH ON OWN
1:30pm - 3:00pm	METABOLIC/SYSTEMIC DISEASE Moderators: Guiseppe Guglielmi, MD, Wilfred Peh, MD
1:30pm - 1:45pm	Applications of Dixon Techniques in Musculoskeletal MRI Patrick Omoumi, MD, PhD
1:45pm - 2:00pm	Bone and Soft Tissue Infections Johnny Monu, MB, BS, MS
2:00pm - 2:15pm	Metabolic Bone Disease Christine Chung, MD
2:15pm - 2:30pm	Metabolic Disorders of Body Fat Miriam Bredella, MD
2:30pm - 2:45pm	Sarcopenia in Older Adults Leon Lenchik, MD
2:45pm - 3:00pm	Osteoporosis Update Thomas Link, MD, PhD
3:00pm - 3:30pm	BREAK



COMBINED SESSION
FILM QUIZ PANEL 3:30PM – 5:00PM
QUIZMASTER: MARK MURPHEY, MD

SPORTS MEDICINE IMAGING

8:00am - 10:00am	KNEE Moderators: Robert Wissman, MD, Pieter van Dyck, MD, PhD
8:00am - 8:15am	Meniscal Injury: What to Report and What Gets Missed Lawrence White, MD
8:15am - 8:30am	The Postoperative Meniscus: What Does the Surgeon Do and What Should it Look Like Thomas Magee, MD
8:30am - 8:45am	Cruciate Ligaments, Before and After Surgery Carl Winalski, MD
8:45am - 9:00am	Getting on Track with the Patellofemoral Joint: What Measurements Matter? Zaid Jibri, MBChB, MRCS, FRCR
9:00am - 9:15am	Fluid Collections and Bursae Around the Knee Claus Muhle, MD
9:15am - 9:30am	Pediatric Knee MRI: Normal or Abnormal Ricardo Restrepo, MD
9:30am - 9:40am	The Posteromedial Corner: What Can I See and What Should be Reported Andrew Grainger, BM, BS, MRCP, FRCR
9:40am - 9:50am	The Posterolateral Corner: What Can I See and What Should be Reported Kathryn Stevens, MD, BS (hons)
9:50am - 10:00am	The Spectrum of Osteochondral Injury: How I Report It Andrew Sonin, MD, FACR
10:00am - 10:30am	BREAK
10:30am - 12:00pm	PELVIS AND HIP Moderators: Khaled Matrawy, MD, Georgina Allen, FRCR MScSEM
10:30am - 10:45am	Conventional and MR Arthrography of the Hip Vasco Mascarenhas, MD, MSc
10:45am - 11:00am	Sports Injuries of the Hip Christian Pfirrmann, MD, MBA
11:00am - 11:15am	Imaging Approach to Hip Arthritis Donna Blankenbaker, MD
11:15am - 11:30am	Pelvis Tendons Philip Robinson, FRCR
11:30am - 11:45am	Avulsion Injuries of the Pelvis Richard Whitehouse, MD, FRCR
11:45am - 12:00pm	Nonarticular Causes of Hip Pain Moises Fernandez Hernando, MD
12:00pm - 1:30pm	LUNCH ON OWN
1:30pm - 3:00pm	ANKLE AND FOOT (SAM) Moderators: Filippo Del Grande, MD, MBA, MHEM, Yuko Kobashi, MD, PhD
1:30pm - 1:45pm	Ankle/Hindfoot Osteochondral Lesions: Diagnosis and Significance Jenny Bencardino, MD
1:45pm - 2:00pm	Ankle Tendons and Ligaments: Sports Injury Diagnosis and Significance Philip O'Connor, MD
2:00pm - 2:15pm	Post Operative Ankle: Post Arthroscopic Repair Cartilage and Ligaments Russell C. Fritz, MD, FACR
2:15pm - 2:30pm	Mid Foot Injuries Zehava Rosenberg, MD
2:30pm - 2:45pm	Plantar Plate and Forefoot Injuries Carolyn Sofka, MD
2:45pm - 3:00pm	Ankle Impingement: Diagnosis and Intervention in Athletes Daniel M. Walz, MD
3:00pm - 3:30pm	BREAK
3:30pm - 5:00pm	THE FORGOTTEN ART OF PLAIN FILM INTERPRETATION: LESSONS FROM THE JEDI MASTERS Moderators: Charles Resnik, MD, Javier Beltran, MD
3:30pm - 3:40pm	Cervical Spine David Rubin, MD
3:40pm - 3:50pm	Shoulder and Arm Lynne Steinbach, MD
3:50pm - 4:00pm	Elbow and Forearm Mark Anderson, MD
4:00pm - 4:10pm	Wrist and Hand Andrew Grainger, BM, BS, MRCP, FRCR
4:10pm - 4:20pm	Thoracolumbar Spine Mini N. Pathria, MD
4:20pm - 4:30pm	Pelvis and SI Joints Monique Reijnierse, MD, PhD
4:30pm - 4:40pm	Hip and Thigh Robert Boutin, MD
4:40pm - 4:50pm	Knee and Leg Anne Cotten, MD
4:50pm - 5:00pm	Ankle and Foot Eva Llopis, MD

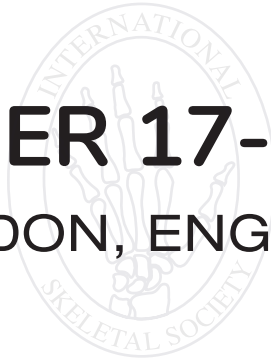
MUSCULOSKELETAL DISEASE

8:00am - 10:00am	ORTHOPEDIC IMPLANTS AND SURGERY Moderators: Steven van Bokhoven, MD, Suphaneewan Jaovisidha, MD
8:00am - 8:15am	Cartilage Repair Procedures Mario Padron, MD
8:15am - 8:30am	Plates and Screws: What Do They Do? Leanne L. Seeger, MD, FACR
8:30am - 8:45am	CT Around Metal: Optimization of Images Jean Luc Drape, MD, PhD
8:45am - 9:00am	Imaging of Hip Arthroplasty Alain Blum, MD, PhD
9:00am - 9:15am	Imaging of Knee Arthroplasty Theodore Miller, MD
9:15am - 9:30am	Imaging of Shoulder Arthroplasty Alice Ha, MD, MS
9:30am - 9:45am	Histology of Implant Failure Scott Nelson, MD
9:45am - 10:00am	Prosthetic Joint Infections: Current Concepts Jan Fritz, MD
10:00pm - 10:30pm	BREAK
10:30am - 12:00pm	PERIPHERAL NERVE Moderators: Roman Guggenberger, MD, Marcelo de Abreu, MD
10:30am - 10:45am	US of Peripheral Nerves and Brachial Plexus Carlo Martinoli, MD
10:45am - 11:00am	Peripheral Nerve MRI: Current and Future Perspectives B. Matthew Howe, MD
11:00am - 11:15am	Non-Compressive Neuropathies: How Can We Help? Marcelo Bordalo-Rodrigues MD, PhD
11:15am - 11:30am	MR Neurography of the Brachial Plexus John Carrino, MD, MPH
11:30am - 11:45am	MR Neurography of the Lumbosacral Plexus Darryl Sneag, MD
11:45am - 12:00pm	Foot and Ankle: Nerve Anatomy and Neuropathies Oscar Casado-Verdugo, MD
12:00pm - 1:30pm	LUNCH ON OWN
1:30pm - 3:00pm	PEDIATRIC MSK IMAGING Moderators: Mercedes Roca-Espiau, MD, PhD, Elaine Gould, MD, FACR
1:30pm - 1:45pm	Epiphyseal and Physeal Anatomy and Development Elaine Gould, MD, FACR
1:45pm - 2:00pm	What is New in Imaging of JRA Paolo Simoni, MD, PhD, MBA
2:00pm - 2:15pm	Overuse Injuries and the Growth Plate Maria Aparisi Gomez, MBChB
2:15pm - 2:30pm	Osteomyelitis in the Infant and Child Emilio Inarejos Clemente, MD
2:30pm - 2:45pm	Abnormal Growth Nancy Chauvin, MD
2:45pm - 3:00pm	Pediatric Metabolic Bone Disease Jeannette Perez-Rossello, MD
3:00pm - 3:30pm	BREAK
3:30pm - 5:00pm	INITIATE ISS MEMBERS: CASE BASED TEACHING Moderators: Juerg Hodler, MD, MBA, Michael Recht, MD
3:30pm - 3:40pm	Shoulder Daniel Siegal, MD
3:40pm - 3:50pm	Elbow and Wrist Richard Walker, MD
3:50pm - 4:00pm	Hip and Knee Anagha Parkar, MD
4:00pm - 4:10pm	Ankle and Foot Anna Hirschmann, MD
4:10pm - 4:20pm	Nerve Imaging Mahesh Prakash, MD
4:20pm - 4:30pm	Bone and Soft Tissue Tumor Jim Wu, MD
4:30pm - 4:40pm	MSK Intervention Antonio Barile, MD
4:40pm - 4:50pm	Atraumatic Muscle Julio Guimaraes, MD
4:50pm - 5:00pm	Molecular Imaging Stephen Broski, MD

SAVE THE DATE

OCTOBER 17-22, 2021

LONDON, ENGLAND



Musculoskeletal Imaging and Refresher Course



48th
ANNUAL MEETING