

7:00am - 8:00am BREAKFAST

7:00am - 5:00pm REGISTRATION/INFORMATION DESK HOURS

7:00am - 4:00pm EXHIBIT HALL HOURS

## COMBINED SESSION

|                  |  |
|------------------|--|
| 8:00am - 8:10am  | <b>INTRODUCTION</b> <i>Laura Bancroft, MD, FACR</i>  |
| 8:10am - 10:00am | <b>OPENING SESSION: JOINT</b><br>Moderators: <i>Lawrence White, MD, Michael Tuite, MD</i>                    |
| 8:10am - 8:30am  | Human Articulations: Symphyses, Cynchondroses, and Synovial Joints <i>S. Fiona Bonar, MB, FRCPath, FRCPA</i> |
| 8:30am - 8:50am  | Synovium and Cartilage<br><i>Bruce Forster, MD, MSc, FRCPC</i>   |

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| 8:50am - 9:15am  | Intraarticular Menisci and Discs <i>Donald Resnick, MD</i>               |
| 9:15am - 9:35am  | Intraarticular Labrum <i>Christian Pfirrmann, MD, MBA</i>                |
| 9:35am - 10:00am | Joint Function: Assessment with MR Imaging<br><i>Christine Chung, MD</i> |

## SPORTS MEDICINE IMAGING

## MUSCULOSKELETAL DISEASE

## BREAK 10:00AM - 10:30AM

|                   |  |
|-------------------|--|
| 10:30am - 12:00pm | <b>HOT TOPICS</b><br>Moderators: <i>Charles Resnik, MD, Jonathan Baker, MD</i>                   |
| 10:30am - 10:45am | Biologic Injections for Treating Muscle Injuries: Show Me the Data <i>Ian Beggs, FRCPE, FRCR</i> |
| 10:45am - 11:00am | Imaging Patients with the Female Athletic Triad<br><i>Miriam Bredella, MD</i>                    |
| 11:00am - 11:15am | Injuries in Adolescent Baseball Pitchers <i>David Rubin, MD</i>                                  |
| 11:15am - 11:30am | Imaging Evaluations after Chondrocyte Implantation<br><i>Ali Guerhazi, MD, PhD</i>               |
| 11:30am - 11:45am | Core Injuries Outside of the Groin <i>Adam Zoga, MD</i>  |
| 11:45am - 12:00am | Can Imaging Predict Return-to-Play in Stress Fractures?<br><i>William Palmer, MD</i>             |

## 12:00pm - 1:30pm LUNCH

|                 |   |
|-----------------|---|
| 1:30pm - 3:00pm | <b>ELBOW: THE GEM OF JOINTS (ARS)</b><br>Moderators: <i>Nancy Major, MD, Sarah Koles, MD, MSc, BScHon</i> |
| 1:30pm - 1:45pm | Common Flexor and Extensor Tendon Anatomy and Pathology <i>Nathalie Bureau, MD, MSc</i>                   |
| 1:45pm - 2:00pm | Biceps and Triceps Tendon Pathology<br><i>Anna Hirschmann, MD</i>   |
| 2:00pm - 2:15pm | Lateral Collateral Ligament Complex Instability<br><i>Yuko Kobashi, MD, PhD</i>                           |
| 2:15pm - 2:30pm | Ulnar Collateral Ligament Complex Instability MRI and US <i>Mihra Taljanovic, MD, PhD</i>                 |
| 2:30pm - 2:45pm | Bone Abnormalities in the Skeletally Immature and Mature Elbow <i>Julia Crim, MD</i>                      |
| 2:45pm - 3:00pm | Causes of Medial Elbow Pain and Postoperative Imaging<br><i>Martin Torriani, MD, MMSc</i>                 |

## 3:00pm - 3:30pm BREAK

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|-----------------|---|
| 3:30pm - 5:00pm | <b>HAND AND WRIST: TALK TO THE HAND</b><br>Moderators: <i>Ramon Gheno, MD, Nogah Shabshin, MD, MBA, BSc</i> |
| 3:30pm - 3:45pm | Wrist Extrinsic & Midcarpal Ligaments<br><i>Daniel M. Walz, MD</i>  |
| 3:45pm - 4:00pm | Ultrasound and MRI of Wrist Injuries<br><i>Luis Cerezal, MD, PhD</i>  |
| 4:00pm - 4:15pm | Stress Injuries of the Hand and Wrist<br><i>Howard Galloway, FRANZCR</i>                                    |
| 4:15pm - 4:30pm | MRI of the Carpal Tunnel and Guyon Canal <i>Atul Taneja</i>   |
| 4:30pm - 4:40pm | MRI of the Fingers <i>Richard de Villiers, M.Med</i>  |
| 4:40pm - 4:50pm | Postoperative Imaging of the Wrist<br><i>Catherine Petchprapa MD</i>  |
| 4:50pm - 5:00pm | Postoperative Imaging of the Fingers<br><i>Jenny Bencardino, MD</i>   |

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| 10:30am - 12:00pm | <b>WHAT'S IN AND WHAT'S OUT IN MSK INTERVENTION</b><br>Moderators: <i>Alberto Bazzocchi, MD, PhD, Thomas Le Coller, MD, PhD</i> |
| 10:30am - 10:45am | Bone Biopsy: Tricks of the Trade <i>Connie Chang, MD</i>  |
| 10:45am - 11:00am | Percutaneous Cementoplasty interventions: An update<br><i>Paul Mallinson, MBChB, FRCR, FRCPC</i>                                |
| 11:00am - 11:20am | US Guided Injectables: What Does What?<br><i>Emma Rowbotham, BSc, MB, Bchir, FRCR</i>   |
| 11:20am - 11:40am | Pros and Cons of Stem Cells and PRP in Tendons, Ligaments and Joints <i>Kenneth Lee, MD</i>                                     |
| 11:40am - 12:00pm | Imaging Diagnosis and Treatment of Morton Neuroma<br><i>James Linklater, MBBS</i>   |

## 12:00pm - 1:30pm LUNCH

|                 |  |
|-----------------|--|
| 1:30pm - 3:00pm | <b>ARTIFICIAL INTELLIGENCE</b><br>Moderators: <i>Soterios Gyftopoulos, MD, Naveen Subhas, MD</i>                         |
| 1:30pm - 2:00pm | Machine/Deep Learning (ML/DL): Basics for Radiologists<br><i>Larry Zitnick</i>   |
| 2:00pm - 2:15pm | Deep Learning for image Reconstruction: How Fast Can We Go? How Little Radiation Can We Use?<br><i>Michael Recht, MD</i> |
| 2:15pm - 2:30pm | Deep Learning for Image Interpretation: Are We Replaceable? <i>Richard Kijowski, MD</i>                                  |
| 2:30pm - 2:40pm | Workflow Optimization Using Machine Learning<br><i>Martin Torriani, MD, MMSc</i>   |
| 2:40pm - 2:50pm | How Artificial Intelligence Will Influence the Next Generation of PACS <i>Kenneth Buckwalter, MD, MS, MBA</i>            |
| 2:50pm - 3:00pm | Deep Learning: How Will It Be Used By Bone and Soft Tissue Pathologists? <i>Meera Hameed, MD</i>                         |
| 3:00pm - 3:30pm | <b>BREAK</b>   |
| 3:30pm - 5:00pm | <b>SYSTEMIC AND CHRONIC DISORDERS (SAM)</b><br>Moderators: <i>E. Remide Arkun, MD, Khaled Matrawy, MD</i>                |
| 3:30pm - 3:45pm | Osteoporosis Screening: State of the Art<br><i>Catherine Petchprapa MD</i>   |
| 3:45pm - 4:00pm | Sarcopenia: From Research to Clinical Practice<br><i>Robert Boutin, MD</i>   |
| 4:00pm - 4:15pm | Opportunistic CT Screening: Bone, Muscle, Fat Measurements <i>Leon Lenchik, MD</i>                                       |
| 4:15pm - 4:30pm | Musculoskeletal Complications of Diabetes: What's the Best Way to Image? <i>Mark Schweitzer, MD</i>                      |
| 4:30pm - 4:40pm | Drug-Induced MSK Disorders<br><i>Michael Richardson, MD</i>  |
| 4:40pm - 4:50pm | Soft Tissue Infections: Uncommon Culprits<br><i>Johnny Monu, MB, BS, MS</i>  |
| 4:50pm - 5:00pm | Whole Body MRI: Clinical Applications<br><i>Andrea Roskopf, MD</i>   |



WELCOME RECEPTION  
6:30PM - 8:30PM

## SPORTS MEDICINE IMAGING

|                   |  |
|-------------------|--|
| 8:00am - 10:00am  | <b>CANADIAN SESSION</b><br>Moderators: <i>Zaid Jibri, MBChB, MRCS, FRCR, Hema Choudur, MBBS, FRCPC</i>                                     |
| 8:00am - 8:15am   | Debate: MRI vs US for Rotator Cuff Tears: Which Modality Prevails? MRI <i>Bruce Forster, MD, MSc, FRCPC</i>                                |
| 8:15am - 8:30am   | Debate: MRI vs US for Rotator Cuff Tears: Which Modality Prevails? US <i>Philip O'Connor, MD</i>   |
| 8:30am - 8:45am   | Debate: MRI vs US for Rotator Cuff Tears: Which Modality Prevails? Discussion<br><i>Bruce Forster, MD, MSc, FRCPC, Philip O'Connor, MD</i> |
| 8:45am - 9:00am   | Top 3 MRI Pitfalls in Sports imaging <i>Clarissa Canella, PhD</i>  |
| 9:00am - 9:15am   | Top 3 US Pitfalls in Sports Imaging<br><i>Ronald Adler, MD, PhD</i>  |
| 9:15am - 9:30am   | When and How CT Can Excel in Sports Imaging<br><i>Hugue Ouellette, MD</i>  |
| 9:30am - 9:40am   | Rapid Fire Sports Imaging, Canadian Style: Nordic Skiing<br><i>Michael Tuite, MD</i>   |
| 9:40am - 9:50am   | Rapid Fire Sports Imaging, Canadian Style: Downhill Skiing <i>Peter Munk, MDCM, FRCPC, FSIR</i>  |
| 9:50am - 10:00am  | Rapid Fire Sports Imaging, Canadian Style: Rock Climbing <i>Jung-Ah Choi, MD</i>   |
| 10:00am - 10:30am | <b>BREAK</b>   |
| 10:30am - 12:00pm | <b>TRAUMA/STRESS INJURIES (ARS)</b><br>Moderators: <i>Wilfred Peh, MD Guillaume Bierry, MD, Joseph Craig, MB, ChB</i>                      |
| 10:30am - 10:45am | Acute Hand and Wrist Injuries <i>Laura Bancroft, MD, FACR</i>  |
| 10:45am - 11:00am | Traumatic Facial Injuries <i>Stacy Smith, MD</i>   |
| 11:00am - 11:15am | Acute Pelvic Injuries <i>Karen Finlay, MD</i>  |
| 11:15am - 11:30am | Stress Fractures and Atypical Femoral Fractures<br><i>Linda Probyn, MD</i>   |
| 11:30am - 11:45pm | Return To Play in Collegiate Athletes <i>Nancy Major, MD</i>   |
| 11:45am - 12:00pm | Commonly Missed Injuries <i>Jack Porrino, MD</i>   |
| 12:00pm - 12:30pm | <b>LUNCH</b>   |
| 1:30pm - 3:00pm   | <b>MUSCLE: MAY THE FORCE BE WITH YOU</b><br>Moderators: <i>Nathalie Bureau, MD, MSc Hee Kyung Kim, MD</i>                                  |
| 1:30pm - 1:45pm   | Pathophysiology and Classification of Muscle Injuries<br><i>George Koulouris, MD, MBBS, MMed, FRANZCR</i>                                  |
| 1:45pm - 2:00pm   | Imaging of Muscle Injuries: Role of MR and US<br><i>Joshua Polster, MD</i>   |
| 2:00pm - 2:15pm   | Indirect Trauma: DOMS, Hernia, Compartment Syndrome <i>Lawrence White, MD</i>  |
| 2:15pm - 2:30pm   | Imaging of Upper Limb Muscle Injuries<br><i>Philip Robinson, FRCR</i>  |
| 2:30pm - 2:45pm   | Myositis - Infectious, Inflammatory and Congenital<br><i>Mini N. Pathria, MD</i>   |
| 2:45pm - 3:00pm   | Advanced MR Imaging Techniques for Assessment of Muscle <i>Patrick Omoumi, MD, PhD</i>   |
| 3:00pm - 3:30pm   | <b>BREAK</b>   |
| 3:30pm - 5:00pm   | <b>SHOULDER</b><br>Moderators: <i>Michael Zlatkin, MD, Nancy Major, MD</i>   |
| 3:30pm - 3:45pm   | Impingement-Cuff <i>Mark Anderson, MD</i>  |
| 3:45pm - 4:00pm   | Instability <i>Brady Huang, MD</i>   |
| 4:00pm - 4:15pm   | Impingement-Non Cuff <i>Lynne Steinbach, MD</i>  |
| 4:15pm - 4:30pm   | Idiopathic (Neurogenic) <i>Luis Beltran, MD</i>  |
| 4:30pm - 4:45pm   | Injuries in the Throwing Athlete<br><i>Andrew Sonin, MD, FACR</i>  |
| 4:45pm - 5:00pm   | Tip of the Iceberg Lesions-Osseous Lesions as Indicators of Pathology <i>Eva Llopis, MD</i>  |

## MUSCULOSKELETAL DISEASE

|                   |   |
|-------------------|---|
| 8:00am - 10:00am  | <b>ARTHRITIS</b><br>Moderators: <i>Daniel Siegal, MD Anthony Doyle, MBChB, FRANZCR</i>  |
| 8:00am- 8:15am    | The Plain Radiograph: Help! It's Arthropathy, But What More Can I Say? <i>Mark Murphey, MD</i>  |
| 8:15am- 8:30am    | MRI for Peripheral Arthritis: Optimizing My Technique<br><i>Monique Reijnierse, MD, PhD</i>   |
| 8:30am- 8:45am    | Assessing the Sacroiliac Joints: Is it Spondyloarthritis?<br><i>Robert Lambert, MB, FRCPC</i>   |
| 8:45am- 9:00am    | Assessing the spine: Is it spondyloarthritis?<br><i>Winston Rennie, MB, MSc(SEM), FRCR</i>  |
| 9:00am- 9:15am    | Enthesitis in Arthritis: Why Does It Matter And What Does It Look Like? <i>Andrew Grainger, BM, BS, MRCP, FRCR</i>  |
| 9:15am- 9:30am    | Gout and Pyrophosphate: Plain Films and Beyond<br><i>Hillary W. Garner, MD</i>  |
| 9:30am- 9:45am    | Connective Tissue Disease: Findings in the Joints<br><i>Anne Cotten, MD</i>   |
| 9:45am- 10:00am   | Septic Arthritis: How Not to Miss It <i>Brady Huang, MD</i>   |
| 10:00am - 10:30am | <b>BREAK</b>  |
| 10:30am - 12:00pm | <b>SPINE</b><br>Moderators: <i>Elisabeth Dion, MD, Francisco Aparisi-Rodriguez, MD</i>  |
| 10:30am- 10:40am  | The Spinal Cord for the MSK Radiologist<br><i>Marcelo Bordalo-Rodrigues MD, PhD</i>   |
| 10:40am- 10:50am  | Less Common Causes of Spinal Stenosis <i>Frederic LeCouvret, MD</i>   |
| 10:50am- 11:00am  | Current Concepts on the Sagittal Balance of the Spine<br><i>Marcello Nogueira-Barbosa, MD, PhD</i>  |
| 11:00am- 11:15am  | Imaging of Spine Infection <i>Prudencia Tyrrell, MD</i>   |
| 11:15am- 11:30am  | Acute Cervical Spine Trauma <i>Richard Daffner, MD, FACR</i>  |
| 11:30am- 11:45am  | How to Differentiate Osteoporotic from Malignant Fractures<br><i>Elisabeth Dion, MD</i>   |
| 11:45am- 12:00pm  | Postoperative Spine: Basic Concepts and Pathological Aspects<br><i>Iris-Melanie Noebauer-Huhmann, MD</i>  |
| 12:00pm - 1:30pm  | <b>LUNCH</b>  |
| 1:30pm - 3:00pm   | <b>BONE TUMORS</b><br>Moderators: <i>Violeta Vasilevska Nikodinovska MD, PhD, MSc, Leanne L. Seeger, MD, FACR, Hakan Ilaslan, MD</i>                                  |
| 1:30pm - 1:40pm   | Molecular Diagnosis of Bone Tumors: Where Can It Help<br><i>Andrew Horvai, MD, PhD</i>  |
| 1:40pm - 1:50pm   | Enchondroma vs Chondrosarcoma: The Great Debate – Multidisciplinary Case Based Approach (Perspective 1)<br><i>Daniel Rosenthal, MD</i>                                |
| 1:50pm - 2:00pm   | Enchondroma vs Chondrosarcoma: The Great Debate – Multidisciplinary Case Based Approach (Perspective 2)<br><i>Andrew Rosenberg, MD</i>                                |
| 2:00pm - 2:10pm   | Enchondroma vs Chondrosarcoma: The Great Debate – Multidisciplinary Case Based Approach (Perspective 3)<br><i>Carol D. Morris, MD, MS</i>                             |
| 2:10pm - 2:20pm   | Chordoma Versus Benign Notochordal Cell Tumor: Radiologic Distinction <i>Mark Kransdorf, MD</i>   |
| 2:20pm - 2:30pm   | What's Cooking with Imaging Guided Ablation: Do We Microwave, Freeze or Fry and Does It Matter? <i>Jack Jennings, MD, PhD</i>   |
| 2:30pm - 2:40pm   | Common Bone Tumor Mimics: Oh the Trouble I've Seen<br><i>Hans (J. L.) Bloem, MD</i>   |
| 2:40pm - 2:50pm   | Lipomatous Lesions of Bone: Are They Really That Unusual<br><i>Paul O'Donnell, MBBS, FRCP, FRCR</i>   |
| 2:50pm - 3:00pm   | Whole Body MR Imaging for Evaluation of Bone Tumors: What Can It Add <i>Frank Roemer, MD</i>  |
| 3:00pm - 3:30pm   | <b>BREAK</b>  |
| 3:30pm - 5:00pm   | <b>SOFT TISSUE TUMORS</b><br>Moderators: <i>Darius Borys, MD, Murali Sundarm, MD, MBBS, FRCR, Suphaneewan Jaovisidha, MD</i>  |
| 3:30pm - 3:40pm   | The Pathologists Perspective of the Importance of Radiologic Assessment in Soft Tissue Tumors: A Team Approach<br><i>S. Fiona Bonar, MB, FRCPath, FRCPA</i>           |
| 3:40pm - 3:50pm   | Lipoma vs Well Differentiated Liposarcoma of the Extremity: What to Do and Why – Multidisciplinary Case Based Approach (Perspective 1) <i>Mark Murphey, MD</i>        |
| 3:50pm - 4:00pm   | Lipoma vs Well Differentiated Liposarcoma of the Extremity: What to Do and Why – Multidisciplinary Case Based Approach (Perspective 2) <i>Carol D. Morris, MD, MS</i> |
| 4:00pm - 4:10pm   | Lipoma vs Well Differentiated Liposarcoma of the Extremity: What to Do and Why – Multidisciplinary Case Based Approach (Perspective 3) <i>Julie Fanburg-Smith, MD</i> |
| 4:10pm - 4:20pm   | Hematoma Versus Hemorrhagic Neoplasm: What are the Important Radiologic Clues <i>Leanne L. Seeger, MD, FACR</i>   |
| 4:20pm - 4:30pm   | The 3 T's: Trials and Tribulations in Soft Tissue Tumor Imaging<br><i>David M. Panicek, MD</i>  |
| 4:30pm - 4:40pm   | Diffusion Weighted Imaging in Soft Tissue Tumors: Can it Help and Where <i>Laura Fayad, MD</i>  |
| 4:40pm - 4:50pm   | Vascular Lesions of Soft Tissue: Diagnosis and Differentiation<br><i>Jeffrey Peterson, MD</i>   |
| 4:50pm - 5:00pm   | Post-Operative MR Evaluation: How to Detect Tumor Recurrence<br><i>Francesca D. Beaman, MD</i>  |

## SPORTS MEDICINE IMAGING

|                   |   |
|-------------------|---|
| 8:00am - 10:00am  | <b>KNEE</b><br>Moderators: <i>Garry Gold, MD, Francisco Chagas-Neto, MD, PhD, Filippo Del Grande, MD, MBA, MHEM</i> |
| 8:00am - 8:15am   | Pre-Operative Meniscus: Tear Types - What I tell the Surgeon <i>Thomas Magee, MD</i>                                |
| 8:15am - 8:30am   | Pre-Operative Meniscus: Pitfalls and Traps to Avoid <i>Kyung Nam Ryu, MD, PhD</i>                                   |
| 8:30am - 8:45am   | Post-Operative Meniscus: Did the Surgeon Fix it and has it Torn Again? <i>Andreas Heuck, MD</i>                     |
| 8:45am - 9:00am   | The Pre-Operative ACL and PCL: Diagnosing the Tear <i>Anagha Parkar, MD</i>   |
| 9:00am - 9:15am   | The ACL is Torn, What else Should I Look For? <i>Thomas Pope, MD, FACR</i>  |
| 9:15am - 9:30am   | The Post Operative ACL: What Could Possibly Go Wrong? <i>Tobias Dietrich, MD</i>                                    |
| 9:30am - 9:40am   | Patellar Maltracking and Instability - What I Tell the Surgeon <i>Eugene McNally, MD</i>                            |
| 9:40am - 9:50am   | Knee MRI: Methods to Accelerate Your Acquisition <i>Naveen Subhas, MD</i>   |
| 9:50am - 10:00am  | Imaging the Knee: What Role is there for Ultrasound? <i>Carlo Martinoli, MD</i>                                     |
| 10:00am - 10:30am | <b>BREAK</b>  |
| 10:30am - 12:00pm | <b>HIP (ARS)</b><br>Moderators: <i>Srinivasan Harish, FRCPC, Donna Blankenbaker, MD</i>                             |
| 10:30am - 10:45am | Femoroacetabular Impingement: Assessment of Predisposing Osseous Deformities <i>Reto Sutter, MD</i>                 |
| 10:45am - 11:00am | Labral Tears: Symptomatic or Variant? <i>Donna Blankenbaker, MD</i>   |
| 11:00am - 11:15am | FAI: How I investigate and What I Tell the Surgeon <i>Soterios Gyftopoulos, MD</i>                                  |
| 11:15am - 11:30am | Gluteal Tendons and Iliotibial Band: Anatomy and Pathology <i>William Morrison, MD</i>                              |
| 11:30am - 11:40am | Hip Pain: Role of US Examination <i>Marnix Van Holsbeeck, MD</i>  |
| 11:40am - 11:50am | Advanced MR imaging Techniques for Cartilage Evaluation <i>Carl Winalski, MD</i>                                    |
| 11:50am - 12:00pm | Extraarticular Causes of Hip and Groin Pain <i>Michael Zlatkin, MD</i>  |
| 12:00pm - 1:30pm  | <b>LUNCH</b>  |
| 1:30pm - 3:00pm   | <b>SPORTS INJURY OF THE FOOT AND ANKLE</b><br>Moderators: <i>F. Bilge Ergen, MD, Brady Huang, MD</i>                |
| 1:30pm - 1:45pm   | Adolescent Sports Injury of the Foot and Ankle <i>Ara Kasserajan, MD, FRCPC</i>                                     |
| 1:45pm - 2:00pm   | Impingement Syndromes of the Ankle <i>David Fessell, MD</i>   |
| 2:00pm - 2:15pm   | Imaging Midfoot ligamentous injuries <i>Zehava Rosenberg, MD</i>  |
| 2:15pm - 2:30pm   | Imaging Turf Toe and Plantar Plate Injury <i>Kathryn Stevens, MD, BS (hons)</i>                                     |
| 2:30pm - 2:50pm   | Plantar Fascial Injury and Insertional Lateral Cord Plantar Fasciopathy <i>Hilary Umans, MD</i>                     |
| 2:45pm - 3:00pm   | Nerve Lesions of the Foot and Ankle <i>Michel De Maeseneer, MD, PhD</i>   |
| 3:00pm - 3:30pm   | <b>BREAK</b>  |

## MUSCULOSKELETAL DISEASE

|                   |   |
|-------------------|---|
| 8:00am - 10:00am  | <b>ORTHOPEDIC IMPLANTS</b><br>Moderators: <i>Henk-Jan van der Woude, MD, PhD, Felix Chew, MD</i>                    |
| 8:00am - 8:20am   | CT Techniques for Metal Artifact Reduction <i>Jean Luc Drape, MD</i>  |
| 8:20am - 8:35am   | Imaging Total Shoulder Arthroplasties <i>David Rubin, MD</i>  |
| 8:35am - 8:55am   | Added Value of MRI in Total Hip & Knee Arthroplasty <i>Theodore Miller, MD</i>                                      |
| 8:55am - 9:15am   | Complications of Spine Fusion and Instrumentation <i>Leon Rybak, MD</i>   |
| 9:15am - 9:30am   | Imaging Bone Allografts and Endoprostheses in Tumor Surgery <i>Alice Ha, MD, MS</i>                                 |
| 9:30am - 9:45am   | Evaluation of Pelvic and Acetabular Fractures Following Treatment <i>Carol Andrews, MD</i>                          |
| 9:45am - 10:00am  | Modern Evaluation of Potentially Infected Joint Replacements <i>Jan Fritz, MD</i>                                   |
| 10:00pm - 10:30pm | <b>BREAK</b>  |
| 10:30am - 12:00pm | <b>PERIPHERAL NERVE</b><br>Moderators <i>Kimberly Amrami, MD, Shivani Ahlawat, MD</i>                               |
| 10:30am - 10:45am | Peripheral Nerves: Anatomy and Imaging Pearls <i>Benjamin Howe, MD</i>  |
| 10:45am - 11:00am | MR Neurography: How to optimize and interpret your images <i>Gustav Andreisek, MD, MBA</i>                          |
| 11:00am - 11:10am | Intraneural Tumors and Perineural Tumor Extension <i>Kimberly Amrami, MD</i>  |
| 11:10am - 11:25am | Peripheral Neuropathies of the Upper Limb <i>Violeta Vasilevska Nikodinovska MD, PhD, MSc</i>                       |
| 11:25am - 11:35am | Peripheral Neuropathies of the Lower Limb <i>Joel Newman, MD</i>  |
| 11:35am - 11:50am | US of Peripheral Nerves <i>Jon Jacobson, MD</i>   |
| 11:50am - 12:00pm | MRI of Peripheral Nerves : Influence on Medical Decision Making <i>John Carrino, MD, MPH</i>                        |
| 12:00pm - 1:30pm  | <b>LUNCH</b>  |
| 1:30pm - 3:00pm   | <b>THE CHILD'S SKELETON: WHAT MAKES IT UNIQUE</b><br>Moderators: <i>Nancy Chauvin, MD, Diego Jaramillo, MD, MPH</i> |
| 1:30pm - 1:45pm   | Growth Cartilage and Marrow <i>Diego Jaramillo, MD, MPH</i>   |
| 1:45pm - 2:00pm   | Gender Differences in Bone Growth and Their Lifelong Implications <i>Vicente Gilsanz, MD, PhD</i>                   |
| 2:00pm - 2:15pm   | Joint Development and Dysplasia <i>Jacob Jaremko, MD, PhD</i>   |
| 2:15pm - 2:30pm   | Trauma: Child Abuse <i>Jeannette Perez-Rossello, MD</i>   |
| 2:30pm - 2:45pm   | Tumors: The ISSVA Classification and More <i>Ricardo Restrepo, MD</i>   |
| 2:45pm - 3:00pm   | Inflammation: Arthritis and Chronic Nonbacterial Osteomyelitis <i>Diego Jaramillo, MD, MPH</i>                      |
| 3:00pm - 3:30pm   | <b>BREAK</b>  |