

Musculoskeletal 1 8:00 am - 9:00 am (LH100)	
8:00 am	Talk #1: Validation of 3D Ultrasound Musculoskeletal System Speaker: Clara Duquette Evans
8:10 am	Talk #2: Perception and Somatosensory Activity Using EEG in Response to Peripheral Magnetic Stimulations in Healthy Human Speaker: Eleonore Fresnel
8:20 am	Talk #3: Diffusion MRI to Characterize Muscle Architecture in Symptomatic FAI Speaker: Hannah Traynor
8:30 am	Talk #4: Visualization of the Temporomandibular Joint (TMJ) Using Novel 3D Ultrasound Technique in a Healthy Population Speaker: Homaira Faisal
8:40 am	Talk #5: The Presence of Active Schmorl's Nodes in Inflammatory Spondyloarthropathies Speaker: Jennifer He
8:50 am	Talk #6: Standardizing Wrist Radiography in Canada: Validating the TRU-VU Wrist Positioning Aid Speaker: Laura Vancer
Musculoskeletal 2 + Clinical Diagnostics 9:20 am - 10:30 am (LH100)	
9:20 am	Talk #1: Characterizing Hip Joint Synovial Fluid Distribution Using CT Arthrogram: An In Vitro Cadaveric Study Speaker: Mohammadreza (Hooman) Kheshti
9:30 am	Talk #2: Quantifying Tendon Excursion in the Shoulder using a 3D-Ultrasound Musculoskeletal System Speaker: Marie Le
9:40 am	Talk #3: Three-Dimensional Ultrasound Synovial Blood Flow Volume Assessment in Thumb Osteoarthritis Patients Speaker: Megan Hutter
9:50 am	Talk #4: Reducing Unnecessary Portable X-Ray Imaging Through Education and Digital Interventions Speaker: Daniel Pepe
10:00 am	Talk #5: Ionizing Radiation Exposure in Clinical Practice: Should We Be Concerned About Effects in Future Generations? Speaker: Shayen Sreetharan
10:10 am	Talk #6: Managing Procedural and Post-Procedural Complications in Interventional Radiology: A Clinical Simulation Approach Speaker: Danielle Gibbs
10:20 am	Talk #7: Contrast Enhanced Mammography - Guided Biopsies and Localizations Speaker: Monika Foulser
Breast/Cardiothoracic 10:50 am – 12:00 pm (LH100)	
10:50 am	Talk #1: Feasibility of 3D ABUS-MRI-Guided Breast Biopsy Device Speaker: Amol Aziz
11:00 am	Talk #2: The Effects of Treatment in Childhood with Anthracyclines on Breast Tissue Density Speaker: Kaitlin Zaki-Metias
11:10 am	Talk #3: 10-Fold Acceleration of Pulmonary 129Xe MRI Enabled by the Sectoral Pulse Sequence Speaker: Samuel Perron
11:20 am	Talk #4: Complexities of Atrial Fibrosis Imaging: Exploring Relationships Between Endocardial Voltage, Extracellular Volume and Sympathetic Innervation Speaker: Benjamin Wilk
11:30 am	Talk #5: Papillary Fibroelastoma – Educational Exhibit Abstract Speaker: Hamza Furmli
11:40 am	Talk #6: Generating Perfusion Maps from Multi-Phase Coronary CT Angiography to Aid Diagnosis of Heart Ischemia Speaker: Ahmed Mohamed
11:50 am	Talk #7: Fibroblast Activation Protein Inhibitor (18F-AIF-FAPI-74) Uptake is Increased Up to 7 Weeks Post-Acute Myocardial Infarction Speaker: Benjamin Wilk

Paediatric & Body Imaging 1 8:00 am - 9:00 am (LH101)	
8:00 am	Talk #1: Paediatric Aunt Minnies Speaker: Cristian Rey
8:10 am	Talk #2: A Sound Approach to Stay on the Ball – A Pictorial Review of Scrotal Pathologies on Ultrasound Imaging Speaker: Jeffrey Lam Shin Cheung
8:20 am	Talk #3: Micro-Ultrasound Guided Focal Radiotherapy: Design and Validation of a Novel Three-Dimensional Micro-Ultrasound System Speaker: David Contella
8:30 am	Talk #4: MRI Relaxation Rates of Fecal Microbiota From Porcine Stool Samples and Their Relationship to Essential Metals Speaker: Gabriel Varela-Mattatall
8:40 am	Talk #5: Aberrant Abdominal Abnormalities – A Case Series of Uncommon Presentations of Common Conditions Speaker: Jeffrey Lam Shin Cheung
8:50 am	Talk #6: Optimizing Workflow and Resource Allocation: An Audit of Thyroid Fine-Needle Aspiration Biopsy Cancellations at a Tertiary Healthcare Center in Ontario Speaker: Ismina Papadhima
Body Imaging 2 + Molecular Imaging and Theranostics 1 9:20 am - 10:30 am (LH101)	
9:20 am	Talk #1: The Effect of Neoadjuvant Stereotactic Ablative Body Radiotherapy (SABR) on Tumour Perfusion in Resectable and Borderline Resectable Pancreatic Cancer Patients: a CT Perfusion (CTP) Study Speaker: Jin-Young Bang
9:30 am	Talk #2: Uncertainty-Aware Quantitative Margin Assessment for Kidney Tumor Ablation: A Monte Carlo Registration Framework Improves Clinical Reliability Speaker: Libin Liang
9:40 am	Talk #3: 'R/O path' – A Quality Assurance Study of Emergency Department Imaging Requests During On-Call Hours Speaker: Jeffrey Lam Shin Cheung
9:50 am	Talk #4: In Vivo Imaging of 89Zr-Labeled Microbiota Transplants: Biodistribution and Dosimetry in a Porcine Model Speaker: Praveen Dassanayake
10:00 am	Talk #5: Radiolabeling Bacteria with 89Zr for PET/MRI: Comparison of Chelators DFO and HOPO Speaker: Diksha
10:10 am	Talk #6: Theranostic Use of Bacteriophages to Decrease Uropathogenic Bacteria Within the Gastrointestinal Tract: A Potential Method to Prevent, Treat, and Diagnose Recurrent Urinary Tract Infections Speaker: Rachel Regier
10:20 am	
Molecular Imaging and Theranostics 2 10:50 am – 12:00 pm (LH101)	
10:50 am	Talk #1: Developing Magnetic Resonance Reporter Gene Imaging: Combining Expression of MamL, MamI, and MamB. Speaker: Daisy (Qin) Sun
11:00 am	Talk #2: Recent Clinical Translations at the Lawson Cyclotron and a View to the Future Speaker: Justin Hicks
11:10 am	Talk #3: Radiolabelling of Monoclonal Antibody Trastuzumab with Zr-89, a Radiometal Relevant to Breast Cancer Diagnosis Speaker: Nick Xue
11:20 am	Talk #4: Framework for the Calculation of Biological Effects from the Targeted Radionuclide Therapy: A comparison between the 225Ac, 177Lu, and 161Tb in the treatment of Metastatic Castration-Resistant Prostate Cancer Speaker: Shahin Ghaseminejad
11:30 am	Talk #5: A Mechatronic Needle Guidance System for Prostate-Specific Positron Emission Tomography and 3D Transrectal Ultrasound-Guided Trans-perineal Prostate Biopsy Speaker: Sule Karagulleoglu Kunduraci
11:40 am	Talk #6: Radio-Ultrasound-Guided System for Real-Time Intraoperative Localization: A Phantom Study Speaker: Sydney Wilson
11:50 am	

Neuroradiology 1 8:00 am - 9:00 am (LH103)	
8:00 am	Talk #1: Simultaneous approach in Tandem Occlusion: A Safe, Effective, and Faster Way to Achieve Recanalization Speaker: Alonso Alvarado Bolanos
8:10 am	Talk #2: Towards Non-Invasive Longitudinal Monitoring of Cerebral Speaker: Farah Kamar
8:20 am	Talk #3: Enhancing Medical Radiation Risk Knowledge in Health Care Teams Working in Image Guided Interventional Suites: Development and Evaluation of a Focused Radiation Safety Education Module Speaker: Hamza Furmli
8:30 am	Talk #4: Double-DANTE-PRESS: Development and Validation of a Single-Shot Multi-Metabolite-Selective 1H-MRS Sequence for In Vivo Human Brain Measurements of Glutamate and Glutathione at 7T Speaker: Kesavi Kanagasabai
8:40 am	Talk #5: Hyperspectral Time-Resolved Compressive Sensing Spectroscopy for Monitoring Adult Brain Tissue Health Speaker: Natalie Li
8:50 am	Talk #6: Imaging Approach to Hypomyelinating Leukodystrophies (HLDs) Speaker: Prateek Malik
Neuroradiology 2 + Interventional Radiology 9:20 am - 10:30 am (LH103)	
9:20 am	Talk #1: First Human Images from an MRI-compatible BrainPET Insert for Dedicated Human Brain PET/MRI Speaker: Praveen Dassanayake
9:30 am	Talk #2: Accounting for Olefinic Fat Protons to Improve Amine/Amide Concentration Independent Detection pH-weighted CEST Measurement in the Human Spinal Cord Speaker: Victoria Little
9:40 am	Talk #3: Shedding Light on Embolization: A Photo-modulated, UV-Activated Hydrogel for Cerebrovascular Applications Speaker: Annika Mascarenhas
9:50 am	Talk #4: Renal Tumor Ablation Risk Stratification Scoring System Validation for the Prediction of Complication Rates and Post-Ablative Residual Disease Rates in Both Heat and Cold Ablation Speaker: Jorden (Fu) Lo
10:00 am	Talk #5: Relevance of Cervical Internal Carotid Artery Patency After Thrombectomy in Tandem Occlusion. Are We Missing an Opportunity to Revascularize? Speaker: Mosab Maree
10:10 am	Talk #6: Case Report: Transvenous Transfacial Embolization of Bilateral Carotid Cavernous Fistula (CCF) in Ehler Danlos (ED) type 4 and Review of Literature Speaker: Rana Moshref
10:20 am	Talk #7: Outcomes of Single vs. Multiple Ablations for Treatment of Solitary Renal Cell Carcinoma (RCC) Speaker: Shaima Abulqasim
Artificial Intelligence 10:50 am – 12:00 pm (LH103)	
10:50 am	Talk #1: Interactive Cascaded Network for Prostate Cancer Segmentation from Multimodality MRI with Automated Quality Assessment Speaker: Cristian Rey
11:00 am	Talk #2: Enhancing Cardiac MRI/PET imaging using Motion Correction and Machine Learning Speaker: Heeseung Lim
11:10 am	Talk #3: Lung Lesion Approximation for Improved Treatment Planning of Stereotactic Ablative Radiotherapy in Metastatic Cancer Speaker: Helen Zhou
11:20 am	Talk #4: Using a Diffusion Model for Synthetic CT generation: A Strategy for MRI-based Attenuation Correction Speaker: Jayin Sivarchaka
11:30 am	Talk #5: Evaluating Deep Learning Models to Classify Early-Stage Esophageal Cancer: A Preliminary Study Speaker: Marcus Milantoni
11:40 am	Talk #6: Optimizing Kidney Ablation Therapy Through Deep Learning-based Image Segmentation Speaker: Maryam Rastegarpour

11:50 am	Talk #7: Data -Efficient Lung Segmentation Using Foundational Models: A Comparative Study of SAM and CNNs for Hyperpolarized Gas MRI Speaker: Ramtin Babaeipour
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