

Musculoskeletal 8:00 am - 9:50 am (Room LH100)	
8:00 am	Talk #1: Effectiveness of Labral and Capsular Management Towards Hip Stability Before and After Cam Over-Resection: An In Vitro Imaging Study Speaker: Mohammadreza (Hooman) Kechsti, <i>LHSC Research Institute</i>
8:10 am	Talk #2: Force and Image Collection of the Wrist Joint of Football Players when in the Prone Blocking Position Under Different Loading Mechanics Speaker: Jeffrey Donado, <i>Western University</i>
8:20 am	Talk #3 Anesthetic Considerations for Imaging in DMD Rat Models Speaker: Margarita Egjian, <i>Western University</i>
8:30 am	Talk #4: Sub-Threshold EEG Responses to Power-Frequency Magnetic Field Stimulation of the Human Lower Limb Speaker: Eleonore Fresnel, <i>Lawson Research Institute</i>
8:40 am	Talk #5: 3D Ultrasound Imaging for Flexor Tendon Laceration Assessment Speaker: Megan Hutter, <i>LHSC Research Institute</i>
8:50 am	Talk #6: Three-Dimensional Characterization of Condylar Morphology in TMJ Osteoarthritis Using Computed Tomography and Ultrasound Speaker: Marie Le, <i>Western University</i>
9:00 am	Talk #7: Statistical Shape Modelling to Compare Anatomical Differences in Individuals with Bilateral Symptomatic FAI Speaker: Jefi Lin, <i>LHSC Research Institute</i>
9:10 am	Talk #8: Diffusion MRI to Assess Periarticular Hip Musculature Adaptations After Arthroscopic Surgery for Cam Femoroacetabular Impingement Speaker: Will MacDonald, <i>Western University</i>
9:20 am	Talk #9: Development and Testing of the Sonographer Support Device to Reduce Sonographer Joint Stress Speaker: Lauren Schonwalder, <i>Western University</i>
9:30 am	Talk #10: Understanding the Effects of Malrotation on the Lateral Elbow Radiograph to Improve Fracture Detection Speaker: Laura Vancer, <i>Western University</i>
9:40 am	Talk #11: Schmorl's Node Communicating with Posterior Disc Herniation - Is There Any Association with Neural Impingement? A Retrospective Analysis of 180 MRIs Speaker: Jimmy Wang, <i>Western University</i>
9:50 am	Coffee Break
10:00 am	
Molecular Imaging and Theranostics/Paediatrics 10:10 am - noon (Room LH100)	
10:10 am	Talk #1: Reducing Maternal Breast Radiation: Perfusion-Only Scintigraphic Imaging in Pregnancy Speaker: Abduallah Albaghjati, <i>LHSC—VH</i>
10:20 am	Talk #2: Single-Scan FDG PET for Blood Flow and Tracer Kinetics Assessment in Brain Metastases Speaker: Danny De Sarno, <i>Western University</i>
10:30 am	Talk #3 Development of a [89Zr]Zr-DFO Radiolabeling Method for PET Tracking of Bacteriophages Speaker: Diksha, <i>Lawson Research Institute</i>
10:40 am	Talk #4: A Radiobiological Framework for Precision Dosing in Theranostics: Maximizing Tumor Control, Sparing Healthy Tissue Speaker: Shahin Ghaseminejad, <i>LHSC Research Institute</i>
10:50 am	Talk #5: Diffusional Regulation of Macrophage Efferocytosis Receptor Inactivation by Proteolytic Cleavage Speaker: Rachel Nicholson, <i>Western University</i>
11:00 am	Talk #6: T2 Relaxation of Mammalian Cells Expressing Magnetosome Proteins at High-Field NMR Speaker: Daisy (Qin) Sun, <i>Lawson Research Institute</i>
11:10 am	Talk #7: Technetium-Based TSPO Targeting Radiotracers for Imaging Inflammatory Neurodegenerative Diseases with SPECT Speaker: Ghazaleh Takalloobanafshi, <i>Lawson Research Institute</i>
11:20 am	Talk #8: Improving Detection of Close Surgical Margins with Dual-Aperture Fluorescence Ratio Imaging Speaker: Ken Tichauer, <i>Lawson Research Institute</i>
11:30 am	Talk #9: A New Method for Site-Specific Radiolabeling of Trastuzumab Using a Disassembly-Reassembly Approach Speaker: Ruixuan Nick Xue, <i>Western University</i>
11:40 am	Talk #10: Validation of the Prostate PRIMARY Score on [18F] F-PSMA 1007 in High-Risk Prostate Cancer Patients Speaker: Filip Markovic, <i>Western University</i>

11:50 am

Talk #11: Time-Resolved Multi-Wavelength Optical Imaging for Improved Deep Tissue Oxygenation Monitoring
Speaker: Jaspreet Sanghu, *Western University*

Body Imaging 1 8:00 am - 9:50 am (Room LH101)	
8:00 am	Talk #1: T2 Relaxation of Manganese-Rich Bacteria at High-Field Strength Speaker: Samuel Perron, <i>Lawson Research Institute</i>
8:10 am	Talk #2: Clinical Integration of CT Perfusion Imaging to Analyze Efficacy of High-Dose Radiotherapy on Pancreatic Cancer Speaker: Zainab Zahra, <i>LHSC Research Institute</i>
8:20 am	Talk #3 Renal Involvement in Hereditary Tumor Syndromes: Imaging Patterns, Diagnostic Clues, and Surveillance Strategies Speaker: Basil Ahmad, <i>Western University</i>
8:30 am	Talk #4: Prostate Cancer: Moving the Needle with Multi-Parametric MRI Speaker: Milad Hamwi, <i>Western University</i>
8:40 am	Talk #5: Parametric Approximation of the Ablation Zone for Intra-Procedural Monitoring of Renal Cryoablation Speaker: Inaara Ahmed-Fazal, <i>LHSC Research Institute</i>
8:50 am	Talk #6: Phantom Validation and Feasibility Study of a Novel 3D Micro-Ultrasound System for Focal Prostate Radiotherapy Boost Guidance Speaker: David Contella, <i>Western University</i>
9:00 am	Talk #7: In Vivo Imaging of 89Zr-Labeled Bacteriophage Injections: Biodistribution and Dosimetry in a Porcine Model Speaker: Praveen Dassanayake, <i>Lawson Research Institute</i>
9:10 am	Talk #8: Performance Evaluation of an Integrated Prostate-Specific PET and 3D Transrectal Ultrasound Fusion-Guided Transperineal Biopsy System Speaker: Sule Karagulleoglu Kunderaci, <i>LHSC Research Institute</i>
9:20 am	Talk #9: Comparison of Percutaneous Ablation and Partial Nephrectomy for Clinical T1b Renal Cell Carcinoma Speaker: Abdullah Odeh-Ahmed, <i>LHSC—VH</i>
9:30 am	Talk #10: MRI Relaxation of the Healthy Bowel Wall in Humans at 3.0T Speaker: Samuel Perron, <i>Lawson Research Institute</i>
9:40 am	Talk #11: Preclinical Evaluation of E. coli-Specific Phage as a Theranostic Strategy for Urinary Tract Infection Speaker: Rachel Regier, <i>Western University</i>
9:50 am	Coffee Break
10:00 am	
Body Imaging 2/Breast Imaging/Cardiothoracic 10:10 am - noon (Room LH101)	
10:10 am	Talk #1: Periportal Lymphadenopathy: Is there a correlation with Metabolic dysfunction-associated steatotic liver disease (MASLD) at MR Elastography? Speaker: Cristian Rey, <i>Western University</i>
10:20 am	Talk #2: Integrating AI and Deformable Registration into a Fully Automated Tool to Quantify the Ablation Margin for Renal Cell Carcinoma Speaker: Suzanne Wong, <i>Western University</i>
10:30 am	Talk #3 Impacts of Oropharyngeal Cancer PTV Coverage Prescription Levels on Clinical Outcomes Speaker: Noah Blackburn-Hum, <i>SJHC</i>
10:40 am	Talk #4: 3D ABUS Device for Ultrasound- and MRI-Localized Breast Biopsy Speaker: Amol Aziz, <i>LHSC Research Institute</i>
10:50 am	Talk #5: Frequency and Predictors of Lesion Non visualization in Contrast-Enhanced Mammography-Guided Biopsies Speaker: Larisa Gorenstein, <i>Western University</i>
11:00 am	Talk #6: Lesion Characterization and Outcome of BI-RADS 3 (Probably Benign) Lesions Detected on Contrast-Enhanced Mammography (CEM) Speaker: Marc-André Lemieux, <i>SJHC</i>
11:10 am	Talk #7: 129Xe MRI Ventilation Features and Machine Learning to Predict One-Year Response to Therapy in Asthma Speaker: Yixiu He, <i>LHSC Research Institute</i>
11:20 am	Talk #8: A Treatment Planning Comparison of Three Radiation Therapy Platforms for Cardiac Radioablation Speaker: Sarah Lee, <i>Western University</i>
11:30 am	Talk #9: The Incremental Value of Combined Myocardial Perfusion Imaging and Coronary Computed Tomography Angiography in Evaluating Coronary Artery Bypass Patients: A Case Series on Perfusion Patterns, Literature Review, and Future Directions Speaker: Osama Smettei, <i>LHSC—VH</i>
11:40 am	Talk #10: Quantitative Evaluation of CT Mucus-Plug Characteristics in Asthma and COPD Speaker: Sam Tchner, <i>LHSC Research Institute</i>
11:50 am	Talk #11: Baseline Oscillometry, 129Xe MRI, and CT Markers to Predict Clinical Remission in Moderate-Severe Asthma Post-Therapy Speaker: Sarah Malik, <i>LHSC Research Institute</i>

Vascular Interventional/Neuroradiology 1
8:00 am - 9:50 am (Room LH103)

8:00 am	Talk #1: Optical Characterization of Cerebral Pulsatility During Postural Intracranial Pressure Changes: A Feasibility Study Speaker: Farah Kamar, <i>Lawson Research Institute</i>
8:10 am	Talk #2: Renal Biopsy Before vs During Ablation: A Retrospective Comparison of Biopsy Yield, Ablation Success, Complications, and the Frequency of Treating Benign Disease Speaker: Rahman Ladak, <i>Western University</i>
8:20 am	Talk #3 Variability Between Hydrogel Based Coiling and Bare Platinum Coiling in the Treatment of Cerebral Aneurysms: A Systematic Review and Meta-Analysis Speaker: Mosab Maree, <i>LHSC-UH</i>
8:30 am	Talk #4: Comparison of Percutaneous Ablation and Partial Nephrectomy for Clinical T1b Renal Cell Carcinoma Speaker: Elijah Van Dinther, <i>Western University</i>
8:40 am	Talk #5: Predictive Performance of Renal Complexity Scoring Systems for Adverse Events and Recurrence Following Cryoablation of Renal Masses Speaker: Vagif Zeynalli, <i>Western University</i>
8:50 am	Talk #6: Automating Multiple Lesion Treatment Planning for Brain Radiosurgery Speaker: Rayhan Abdul Rahman, <i>LHSC – VH</i>
9:00 am	Talk #7: Toward a CEST MRI Protocol for Imaging Viable Brain Organoids at 15.2T Speaker: Amie Demmans, <i>Western University</i>
9:10 am	Talk #8: Measuring the Cerebral Metabolic Rate of Oxygen During Shoulder Surgery Using Non-invasive Light-Based Technologies Speaker: Saeed Samari, <i>Western University</i>
9:20 am	Talk #9: Towards Non-invasive Assessment of Tissue Stiffness Using Diffuse Correlation and Time-resolved Nearinfrared Spectroscopy Speaker: Emma Zhang, <i>Western University</i>
9:30 am	Talk #10: Delayed Coil Migration Following Endovascular Coiling of Intracranial Aneurysms: A Systematic Review and Institutional Case Series Speaker: Danial Aminaei, <i>Western University</i>
9:40 am	Talk #11: Linking Capillary Dysfunction and Cerebral Oxygen Metabolism by Applying Hybrid PET/MRI Speaker: Graham Deller, <i>Lawson Research Institute</i>
9:50 am	Coffee Break
10:00 am	

Neuroradiology 2
10:10 am - noon (Room LH103)

10:10 am	Talk #1: Quantitative Comparison of PET Images Between a Dedicated BrainPET Insert and a Clinical PET/MRI System Speaker: Praveen Dassanayake, <i>Lawson Research Institute</i>
10:20 am	Talk #2: Non-Invasive Assessment of Mitochondrial Abundance and Metabolic Activity Using Near-Infrared Spectroscopy Speaker: Rasa Eskandari, <i>Western University</i>
10:30 am	Talk #3 Tract-Specific White Matter Inflammation in Frontotemporal Dementia Speaker: Mathew Joshy, <i>Lawson Research Institute</i>
10:40 am	Talk #4: Does the Degree of Renal Sinus Extension Impact Success and Adverse Events for Cryoablation of T1 Renal Cell Carcinoma? Speaker: Abdulaziz AlQubaisi, <i>Western University</i>
10:50 am	Talk #5: Evaluating Non-invasive PET/MRI Methods for Imaging Cerebral Blood Flow and Oxygen Metabolism Speaker: Rajwinder Kuar, <i>Western University</i>
11:00 am	Talk #6: Imaging Evaluation of Laryngotracheal Stenosis Speaker: Teresa Romero, <i>LHSC—UH</i>
11:10 am	Talk #7: Using Chemical Exchange Saturation Transfer MRI to Measure Spinal Cord Tissue pH in Cases of Degenerative Cervical Myelopathy Speaker: Victoria Little, <i>Western University</i>
11:20 am	Talk #8: Zero-Contrast Venous Sinus Stenting for Idiopathic Intracranial Hypertension Using Image Fusion: Initial Experience Speaker: Gabriel Mantovani, <i>LHSC-UH</i>
11:30 am	Talk #9: Real-World Outcomes of Endovascular Thrombectomy for M2 Occlusions Speaker: Olayori Olosode, Damian French, Thibicka Thevan, <i>Western University</i>
11:40 am	Talk #10: Detector Placement Optimization for Application of Two-Layer Photon Diffusion Model to Three-Layer Digital Phantoms with Broadband Time-Resolved Near-Infrared Spectroscopy for Recovery of Oxygen Saturation and Total Haemoglobin Speaker: Aria Riahi, <i>Western University</i>
11:50 am	Talk #11: Exploring Photon Propagation Approximations for Near Infrared Spectroscopy Application Speaker: Darya Sukhina, <i>Western University</i>

Clinical Diagnostics Stream 1 8:00 am - 9:50 am (Room SLC Kenny)	
8:00 am	Opening Remarks: Amanda Johnston, Professional Practice for Medical Imaging
8:10 am	Talk #1: Post-MRI Cochlear Implant Dysfunction: A Non-Invasive Approach to Repolarization Speaker: Erin Haretel, <i>UH MRI</i>
8:20 am	Talk #2: 177[Lu]Lu-FAP-2286 in Patients with an Advanced/Metastatic Solid Malignancy Speaker: Anne Vo, <i>VH MIT</i>
8:30 am	Talk #3: Canadian Study of Arterial Inflammation in Patients with Diabetes and Recent Vascular Events: Evaluation of Colchicine Effectiveness Speaker: Nicole Patterson, <i>VH MIT</i>
8:40 am	Talk #4 Improving Patient Experience in Paediatric Nuclear Medicine Imaging Speaker: John MacLennan, <i>VH MIT</i>
8:50 am	Talk #5: Innovative Practice in Remote Diagnostics: Expanding Access Through Task Shifting and Technology Speaker: Greg Toffner, <i>OAMRS</i>
9:00 am	Talk #6: From Installation to Impact: Implementing a DXA Service at LHSC – Victoria Hospital Speaker: Jan Mahalingam, <i>VH General Radiography</i>
9:10 am	Talk #7: Portable MRI Speaker: Kevin Goudeseune, <i>UH General Radiography</i>
9:20 am	Talk #8: Implementing the Ontario Lung Screening Program (OLSP) within a Hub-and-Spoke Diagnostic Imaging Model: Integrating SWRCP Coordination and LHSC Diagnostic Imaging Speaker: Tara MacDonald, <i>Regional Cancer Program</i>
9:30 am	Talk #9: OH West DI Central Intake Waitlist Management Project Speaker: Sarah Prodger, <i>WeCare2Image</i>
9:40 am	
9:50 am	Coffee Break
10:00 am	
Clinical Diagnostics Stream 2/Artificial Intelligence 10:10 am - noon (Room SLC Kenny)	
10:10 am	Talk #1: Joseph's Health Care London expansion for the Ontario Breast Screening Program: An Integrated Planning Patient Flow Optimization Project Speaker: Qixuan Zhao, <i>SJHC Breast Centre/UWO</i>
10:20 am	
10:30 am	Talk #2: Understanding and Communication of Radiology Reports in Primary Care: A Prospective Survey-Based Study Speaker: Danial Aminaei, <i>Western University</i>
10:40 am	Talk #3 Implementing Magseed Localization to improve the patient experience in the SJHC Breast Centre Speaker: Karen Betteridge, <i>SJHC Breast Centre</i>
10:50 am	Closing Remarks: Amanda Johnston, Professional Practice for Medical Imaging
11:00 am	Talk #4: Development of a Deep Learning Dose Distribution Prediction Algorithm for Brain Metastases Radiosurgery Planning Speaker: Jiahai Zhou, <i>LHSC VH</i>
11:10 am	Talk #5: Quantifying Confidence: Kidney Ablation Segmentations with Axial-Attention Transformers Speaker: Elbert Chao, <i>Western University</i>
11:20 am	Talk #6: Automated Detection of Airway Mucus-plugs in Obstructive Lung Disease Speaker: Eveline Durom, <i>LHSC Research Institute</i>
11:30 am	Talk #7: Deep Learning–Refined Myocardial Perfusion Mapping from Multiphase Coronary CT Angiography Speaker: Ahmed Mohamed, <i>LHSC Research Institute</i>
11:40 am	Talk #8: Visualization of Airway Mucus Plugs Using UTE MRI with CT-Guided Registration Speaker: Zahra Roozmand, <i>LHSC Research Institute</i>
11:50 am	Talk #9: Tumour Motion Assessment on Day-of Cone-Beam CT Projections Using an AI-Powered Target Background Subtraction Technique Speaker: Timothy Yau, <i>Western University</i>