

# DEPARTMENT OF MEDICAL IMAGING

# RESEARCH DAY 2024

Wednesday, April 24, 2024  
8:00 AM to 4:00 PM

Hybrid Event  
[David Braley Health Sciences Centre, Zoom]



Medical Imaging

## JUDGES

- Dr. Nina Stein (Medical Imaging, McMaster University)
- Dr. Marcin Wierzbicki (Interdisciplinary Science, McMaster University)
- Dr. Birgit Ertl-Wagner (Diagnostic & Interventional Radiology, Hospital for Sick Children)

## SCHEDULE

8:00 am

**Welcome & Opening Remarks**

8:15 am

**Agenda Overview**

8:20 am

**Presentations with Q&A**

- **Maryam Al Khouri** - Fellow - The impact of moderate and severe pneumonia due to SARS-CoV-2 variants on lung function and radiological changes at 1-, 3 and 9-months in a multicenter Canadian cohort
- **Tahini Alghamdi** - Fellow - Assessing the Diagnostic Yield of MRI-Guided Breast Biopsies for Non-Mass Enhancement: Unraveling Predictors and Refining Diagnostic Strategies

*\*All presentations will include at least 25% interactivity (Q&A at the end of each presentation).*

*\*This activity is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by McMaster University Continuing Professional Development Program. You may claim a maximum of 6.25 MOC Section 1 hours (credits are automatically calculated)*

# SCHEDULE

- **Rabab Al Mansoori** - Fellow - Evaluating the Diagnostic Accuracy of MRI-US Fusion Biopsies of the Prostate
- **Sofia Ventura** - Fellow - The Post-Surgical Upgrade Rate of Radial Scars and Complex Sclerosing Lesions Diagnosed with Vacuum-Assisted Stereotactic Breast Biopsy
- **Ambreen Zahoor** - Fellow - Assessing the Diagnostic Accuracy of Pre-Operative MRI for Locoregional Extent of Disease and Identification of Prognostic Factors in Rectal Cancer Patients
- **Zehra Isik Hasiloglu** - Fellow - Imaging Findings in the Spinocerebellar Ataxias: A Review of Different Imaging Features of Subtypes Including a Rare Subtype of SCA-35
- **Annastaceya Hira** - Fellow - Preliminary findings of Abbreviated Ultrasound Protocol for Pediatric Appendicitis
- **Engy Abbas** - Fellow - Pancreas Head Ductal Adenocarcinoma: What is the likelihood of Improving confidence to detect resectable tumors using Radiomics features versus NCCN criteria alone?

**10:20 am**

## **Break**

**10:30 am**

## **Presentations with Q&A**

- **Bhanu Sharma** - Fellow - Resting state functional brain activity differs by sex in pediatric concussion
- **Bradley Davis** - Fellow - Knowledge of normal anatomy is critical to accurate interpretation in Neuroradiology
- **Alex Koziarz** - Resident - Diagnostic accuracy of SPECT for mild traumatic brain injury: a systematic review and meta-analysis
- **Sami Adham** - Resident - Is MRI Accurate in Assessing Nodal Disease in Pancreatic Ductal Adenocarcinoma?
- **Brian Wang** - Resident - External rotation of the shoulder for MRI assessment of the long head biceps tendon
- **Eric Lessard** - Resident - Towards a Comprehensive MRI Quality Assurance Phantom for Combined Interstitial/Intracavitary Brachytherapy
- **Lucy Samoilov** - Resident - Impact of summary articles on workflow and confidence in reporting
- **Niharika Shahi** - Resident - Evaluating the resident call structure in Canadian Diagnostic Imaging Postgraduate Postgraduate Medical Education Programs

**12:30 pm**

## **Lunch**

**1:00 pm**

## **Presentations with Q&A**

- **Senthujan Gunaseelan** - Resident - Standardized Reporting on the Preoperative CT Assessment of Potential Living Renal Transplant Donors: Can We Create a Universal Report Standard to Meet the Needs of Transplant Urologists?

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- **Mahnaz Tajik** - Graduate - A bioinformatic study of genetic influence on mild traumatic brain injury severity and recovery
- **Cameron Nowikow** - Graduate - Time-of-Day Analysis of Cerebral Sodium TSC Maps
- **Calvin Zhu** - Graduate - Is Our Attention Misplaced? Comparing ROIs Generated by Deep Learning Models to Radiologist Annotations
- **Rafay Mughal** - Undergraduate - Radiological Findings Associated with High-Grade Astrocytoma with Piloid Features
- **Xinye Lu** - Undergraduate - Pushed to the edge of burnout: are the number of images requiring interpretation increasing in pediatric radiology?
- **Rod Parsa** - Undergraduate - Meeting the face behind the medical images: Virtual diagnostic radiology consultation clinics to improve patient experience
- **Sarah Smith** - Undergraduate - Does Size Matter? Weight Bias In Radiography
- **Elaine Ho** - Undergraduate - A Brief Overview of Targeted Radionuclide Therapy Trials in 2022

**3:15 pm**

## **Break & Judges Deliberation**

**3:35 pm**

## **Guest Speaker**

- **Dr. Birgit Ertl-Wagner** - How to Get Your Manuscript Published

**3:55 pm**

## **Awards Ceremony & Closing Remarks**

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