

# Medical Imaging



## MESSAGE FROM THE CHAIR



Our inaugural Academic department Strategic Planning process has started. The process includes meeting with an advisory group, focus groups, various stakeholder interviews and a look at other academic departments. We thank everyone for the contribution to date and we look forward to the successful completion of the process. The Strategic Plan will help shape the future roadmap of our academic department.

Resilient is a good word to describe our department. Despite the pandemic our faculty have stepped up to the plate to fulfill their academic mandate. Teaching and research continue

uninterrupted. We have held truly successful Pediatric Radiology and Neuroradiology CME events and we have held our first virtual Research Day! Fantastic work and congratulations to all of our award winners and presenters. Thank you to our judges, our host, Dr. Frosi Stella and our department staff.

Congratulations to Dr. Ali Yikilmaz for receiving the 2021 Postgraduate Medical Education Award: Faculty Award for Excellence and Innovation. This award is given in recognition of outstanding contributions made by a faculty member in advancing Residency Education.

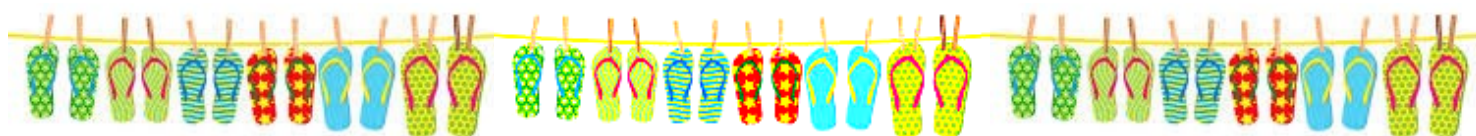
This year MSA recipients for HHS and St. Joes are Dr. Mallory Granholm and Dr. Mostafa Alabousi. Both are well deserved! Congratulations!

65% !! That is the percentage of Ontario citizens needed to get for some of the lockdown restrictions to be lifted!! Nearing the end of May and we are over 53%. Slowly we are getting through this pandemic.

We need to obey the rules, support each other and together we will get through this COVID crisis safely.

Stay safe

*Julian Dobranowski*





# ACADEMIC FACULTY CALENDAR

## 2021 June



SUNDAY, JUNE 20th

Monday	Tuesday	Wednesday	Thursday	Friday
31	01 6:00pm - Visiting Professor Rounds: BREAST-Dr. Supriya Kulkarni	02 7:30am & Noon - Visiting Professor Rounds: BREAST- Dr. Supriya Kulkarni	03	04
07	08	09	10 5:30pm-6:30pm Regional Professor Rounds - Dr. Salehi & Dr. Greenspoon "A Neuro-Oncology Primer: Clinical and Imaging Pearls in Brain Tumours"	<b>CLASS OF 2021 Congratulations</b> Thursday, June 10th
14	15	16	17	18
21	22	23	24	25
28	29	30	01 HAPPY CANADA DAY! July 1st	02





# Congratulations Graduates!



**Maryann Bushara**

*Fellowship:*  
St. Michael's Hospital  
University of Toronto  
Women's Imaging



**Mallory Granholm**

*Fellowship:*  
University Health  
Network  
University of Toronto  
Cardiothoracic  
Imaging



**Matthew Lubanovic**

*Fellowship:*  
St. Joseph's Healthcare  
Hamilton  
McMaster University  
Cross-Sectional  
Imaging  
(Graduated November 2020)



**Jane Meng**

*Fellowship:*  
University Health  
Network  
University of Toronto  
Women's Imaging



**Devang Odedra**

*Fellowship:*  
University Health  
Network  
University of Toronto  
Abdominal Imaging

*“Congratulations to our 2021 Graduating Class!!! It was an eventful residency for this year’s group. I want to thank all of them for their flexibility and senior leadership as we navigated the impacts of the global pandemic on our McMaster community. We wish them all the best as they transition to the next stage of their radiology careers.”*

- Dr. David Landry

On behalf of Dr. Julian Dobranowski, Chair, and the members of the Department of Radiology we would like to take this time to congratulate **Maryann, Mallory, Matthew, Jane** and **Devang** on their graduation from the Radiology Program. We wish them every success as they move into the next phase of their educational training and beyond. Congratulations once again to all of you and best of luck on your fellowships and future careers!



# UPDATE

**Check out the links from the “MCMASTER UPDATE”!**

Some of you may have already read the news articles below as there are a lot of exciting things happening in and around the University

Click on the items below to see what faculty are up to!

- ⇒ **Return to McMaster Oversight Committee releases final recommendations report**
- ⇒ **Could mRNA vaccines be used to combat other diseases like cancer?**
- ⇒ **PBS interview: Gerry Wright on growing antibiotic resistance**
- ⇒ **New resources and supports aim to make McMaster's virtual spaces more accessible**
- ⇒ **Six students honoured with Albert Lager Prize for their outstanding contributions**
- ⇒ **Stair climbing offers significant cardiovascular and muscular benefits for heart patients**
- ⇒ **DeGroot School of Business launches the Foresight Lab**
- ⇒ **Bones and biofilms: Researchers Kathryn Grandfield, John Whitney awarded prestigious HFSP grants**
- ⇒ **Meet McMaster's spring 2021 honorary degree recipients**
- ⇒ **Researchers reveal problems with public health tweets during the first months of the pandemic**
- ⇒ **What you need to know about AstraZeneca and blood clots**
- ⇒ **McMaster-based company takes breakthrough neurotechnology to the U.S.**
- ⇒ **New partnership shares trustworthy information on the evolving science driving the pandemic**
- ⇒ **Awards recognize inspiring, student-centred educators**
- ⇒ **Construction begins on McMaster's 10 Bay Graduate Residence**



# Visiting Professor series...

# VISITING PROFESSOR SERIES via ZOOM

**NOTE:** Professor Steve Halligan (*Hooker Distinguished Professor Lecture*) has been deferred to **June 28/29 2022**.

## BREAST

### TUESDAY, JUNE 1<sup>st</sup> & WEDNESDAY, JUNE 2<sup>nd</sup>, 2021



**Dr. Supriya Kulkarni, DMRD, DNB, DABR**

*Breast Division Head & Associate Professor,  
Department of Medical Imaging, University of Toronto  
Staff Radiologist, Joint Department of Medical Imaging  
University Health Network.  
Mount Sinai Hospital. Women's College Hospital*

**Tuesday, June 1<sup>st</sup>, 2021 - 6:00 pm**

“Calcifications Revisited”

**Wednesday, June 2<sup>nd</sup>, 2021 - 7:30 am**

“Triangulation Made Easy”

**Wednesday, June 2<sup>nd</sup>, 2021 - 12:00 pm**

“Digital Breast Tomosynthesis - Practical Reporting Tips”



**Thank you to Dr. Martin Torriani** for his Visiting Professor Abdominal Imaging Presentations on Tuesday, May 4<sup>th</sup> and Wednesday, May 5<sup>th</sup>. Dr. Torriani covered topics on “Botulinum Toxin: Applications in MSK Intervention and Thoracic Outlet”, “MR Imaging of the Painful Forefoot” and “Sports Injuries to the Chest Wall”.



# Visiting Professor Series Academic Year in Review 2020-2021

## November 2020

### EMERGENCY RADIOLOGY



**Dr. Manickam "Nicks" Kumaravel**

- ◆ Imaging of Hip and Peri-Hip Causes
- ◆ Orthopedic Hardware Imaging
- ◆ Imaging of Ankle Soft Tissue Injuries

## January 2021

### CHEST



**Dr. Marie Pierre Revel Dubois**

- ◆ Thoracic manifestations of connective tissue disease
- ◆ CT angiography for pulmonary embolism suspicion in the context of pregnancy and post partum
- ◆ COVID-19 pneumonia: what to expect from CT

## February 2021

### BREAST



**Dr. Anat Kornecki**

- ◆ From Diagnosis to Biopsy: Contrast Enhanced Mammography as an Alternative to MRI
- ◆ Appropriate use of Bi-Rads 3: Mammography and Ultrasound
- ◆ Advanced Mammographic Guided Biopsy Techniques

thank you!

## March 2021

### CARDIAC



**Dr. Carole Dennie**

- ◆ Imaging of Pulmonary Hypertension and Chronic Pulmonary Embolism List CT and MRI features of Pulmonary Hypertension (PH)
- ◆ Cardiothoracic Manifestations of Connective Tissue Disease
- ◆ Emerging Concepts in Acute Aortic Syndrome Imaging

## April 2021

### LIVER/ABDOMINAL/AI



**Dr. Pablo Ros**

- ◆ Mesentery, Omentum and Peritoneum: The Forgotten Abdomen
- ◆ Unique Bowel Imaging: Ischemia and GIST
- ◆ The Spleen: Abdomen???'s Cinderella

## May 2021

### MUSCULOSKELETAL



**Dr. Martin Torriani**

- ◆ Botulinum Toxin: Applications in MSK Intervention and Thoracic Outlet
- ◆ MR Imaging of the Painful Forefoot
- ◆ Sports Injuries to the Chest Wall



# Visiting Professor series...

## Looking for archived recordings of our Visiting Professor lectures?

These recorded lectures are now available on our Visiting Professor Program page:

<https://fhs.mcmaster.ca/radiology/vpp/>

### **NOW AVAILABLE!**

⇒ **Dr. Carole Dennie – March 2<sup>nd</sup> & 3<sup>rd</sup>, 2021**

⇒ **Dr. Pablo R. Ros – April 6<sup>th</sup> & 7<sup>th</sup>, 2021**

These lectures are posted on an “unlisted” Youtube channel and therefore the recordings are only available via the links provided.

Future Visiting Professor links will be posted only upon prior approval of the presenter.

## **SAVE THE DATES 2021-2022**

### ***Save the upcoming dates for the Visiting Professor series...***

Tuesday, October 5<sup>th</sup> & Wednesday, October 6<sup>th</sup> 2021 - Dr. Jim Raptis - Chest

Tuesday, November 2<sup>nd</sup> & Wednesday, November 3<sup>rd</sup> 2021 - Dr. Scott D Steenburg - Emergency Radiology

Tuesday, January 11<sup>th</sup> & Wednesday, January 12<sup>th</sup> 2022 - Dr. Frank Scholz - Abdominal

Tuesday, February 1<sup>st</sup> & Wednesday, February 2<sup>nd</sup> 2022 - Dr. Thanh Binh Nguyen - Neuro

Tuesday, March 1<sup>st</sup> & Wednesday, March 2<sup>nd</sup> 2022 - Dr. Mindy Horrow – Ob/Gyn

Tuesday, April 5<sup>th</sup> & Wednesday, April 6<sup>th</sup> 2022 - Dr. Daniel B Kopans - Breast

Tuesday, May 3<sup>rd</sup> & Wednesday, May 4<sup>th</sup> 2022 - Dr. James D Fraser - Cardiac

Tuesday, June 7<sup>th</sup> & Wednesday, June 8<sup>th</sup> 2022 - W Peter Cockshott Memorial Lecture  
Dr. Mark Cresswell - MSK

Tuesday, June 28<sup>th</sup> & Wednesday, June 29<sup>th</sup> 2022  
*Hooker Distinguished Professor Lecture* - Professor Steve Halligan

Unless otherwise noted, the times for the series are as follows:

**Tuesday presentations 6:00 pm**

**Wednesday presentations, 7:30 am and 12:00 pm**



# Diagnostic Imaging Regional Rounds

## Please join us for June's Regional Professor Rounds

Thursday, June 10<sup>th</sup>  
5:30 pm - 6:30 pm

**FEATURING:**

*Dr. Fateme Salehi and  
Dr. Jeffery Greenspoon*

[CLICK HERE TO REGISTER](#)

**A Neuro-Oncology Primer:  
Clinical and Imaging Pearls in Brain Tumors**

**Dr. Fateme Salehi**  
Associate Professor,  
Department of Radiology,  
McMaster University  
Neuroradiologist, Diagnostic Imaging,  
HHS

**Dr. Jeffery Greenspoon**  
Associate Professor,  
Department of Oncology,  
McMaster University  
Clinical Lead, Radiosurgery  
Program HHS

**Objectives**

1. To provide an overview of current neuro-oncological management approaches for patients with brain tumors
2. To highlight key imaging features in diagnosis and follow-up of patients with brain tumors

**Diagnostic Imaging Regional Professor Rounds**  
June 10, 2021 | 5:30 p.m.

McMaster

# Thank You Dr. Choudur, Sarah Allred and Lisa Billone

Thanks to Lisa Billone, Sarah Allred and Dr. Choudur for "excellent talks" in the last edition of the Regional Rounds. It was a "great presentation, with a relevant topic". "The speakers did a great job describing US imaging techniques, normal anatomy and pathological appearances. Their presentations were easy to understand and gave great pearls and pitfalls to look out for." "The video clips + illustrations were particularly helpful." It gathered registrants from as far away as Galveston TX, Maui HW, Quebec, Alberta and BC. We also had over 200 registrants!

Thanks to Lisa and Sarah for their help extending the invitation to a "broader audience outside of the Hamilton area and into OAMRS membership". Speakers were able to captivate participants who are "looking forward to more" and wish to "see more MSK lectures in the future". Thanks to Regional Rounds Team: Tori, Evan, Tyler and Dr. Dobranowski!

Dr. Ramiro Larrazabal

**MSK Ultrasound Series: Distal Bicep Tendon**  
Series Introduction by **Dr. Hema Choudur**  
*Professor, Radiology Dept., McMaster University, Division Head: MSK Imaging, MSK Site Lead: HGH, HHSC*

**Sarah Allred**  
BMRSc, DMS, RMSKS  
Musculoskeletal Sonographer  
Hamilton General Hospital

**Lisa Billone**  
BMRSc, DMS, RMSKS  
Musculoskeletal Sonographer  
Hamilton General Hospital

**Objectives**

1. Understand the anatomy of the dual distal bicep tendon insertion
2. Discuss sonographic imaging protocol and dynamic techniques
3. Review and recognize common pathological conditions as well as potential imaging pitfalls
4. Identify strategies to differentiate between partial and full-thickness tears

**Diagnostic Imaging Regional Professor Rounds**  
May 13, 2021 | 5:30 p.m.

McMaster

# SAVE THE DATE

Join us for the next Regional Rounds - **Thursday, July 15<sup>th</sup>** - 5:30-6:30pm

**Dr. Shauna Kennedy and Dr. Colby Oitment**





# ACADEMIC UPDATE: Radiology Residency Program



Dr. David Landry has been the Program Director for the Diagnostic Radiology residency program since July 1, 2012 having “taking the baton” from Dr. Karen Finlay to lead the training of 30+ residents. The program has successfully graduated 50+ residents during his tenure with many accolades including PARO Residency Program of the Year 2017 and many postgraduate/provincial awards for our residents and faculty. The success of our program is a collaborative effort of our enthusiastic radiology faculty, residents, fellows, admin staff, technologists, sonographers and nurses!!!

Diagnostic Radiology program continues to navigate our educational curriculum during the COVID pandemic. I want to thank all residents and faculty who have transitioned their clinical and educational roles to a virtual environment to ensure the residency program continues to meet training needs of our residents.

As we bring to an end the 2020-21 academic calendar, we must look to a very busy year ahead!!

## Competence By Design (CBD) Launch!!!



Competence by Design (CBD) is the Royal College of Physicians and Surgeons of Canada’s major change initiative to reform the training of medical specialists in Canada. The objective of CBD is to ensure physicians graduate with the competencies required to meet local health needs. It aims to enhance patient care by improving learning and assessment in residency.



CBD framework shifts mindset from postgraduate year (PGY) designations into stages of training: Transition to Discipline, Foundation of Discipline, Core of Discipline and Transition to Practice.

Diagnostic radiology curriculum has undergone an extensive review over the past two years by the Royal College Specialty Committee. In May 2021, we received the “blueprint” for transitioning our education model from CanMEDS framework to CBD model focusing on achievement of milestones and entrustable professional activities.

I am pleased to have **Dr. Yoan Kagoma** as our CBD lead radiologist to champion this project. Our tasks ahead include review of new Royal College documents, curriculum mapping / redesign, formation of competency committee and faculty development.



**Dr. Yoan Kagoma**  
CBD Lead Radiologist  
Residency Program  
Staff Radiologist, JH

We look forward to engaging our faculty as we welcome our first CBD resident cohort starting July 1, 2022!

## Accreditation 2022

McMaster University is scheduled for review of all postgraduate training programs by the Royal College in 2022. This is based on a six-year cycle with our last successful review in 2015.

The review process is an opportunity for training programs to benchmark their educational curriculum / environment against national standards with assessment by an external committee of experts. We are very pleased about our residency program and want to highlight our faculty and residents to the Royal College. The process requires significant preparation of documents for our educational dossier which will be submitted during over next academic year. I anticipate our review will occur in Fall 2022.

Finally, as I approach the start of my 10<sup>th</sup> year as program director, I would like to thank all faculty and staff who continue to support the residency program!!!

- David Landry



## VIRTUAL Radiology RESEARCH DAY 2021

The Department of Radiology's Virtual Research Day recently took place on Thursday, May 27<sup>th</sup> via Zoom with 65+ attendees. Holding the event this year was very important to the department as it was missed last year due to the pandemic. Our host for Research Day was Dr. Steffan Frosi Stella, Assistant Professor and Research Coordinator in the Department of Radiology, McMaster University and Staff Interventional Radiologist at Juravinski Hospital and McMaster University Medical Centre, Hamilton Health Sciences. We would like to thank Dr. Frosi Stella for kindly agreeing to host this year's event which was a success!

Radiology Research Day featured 24 presentations in total; with presentations from residents, fellows, graduates and undergraduate students. The research presentations were judged with a 1<sup>st</sup> and 2<sup>nd</sup> place award for all groups.

Congratulations to the following award winners;

### Resident Group

**1st Place** - A Single-Centre Audit of the ACR BI-RADS 3 Assessment Category Utilization - **Jessica Common**

**2nd Place** - MRI vs CT for the Detection of Liver Metastases in Patients with Pancreatic Carcinoma: A Comparative Diagnostic Test Accuracy Systematic Review and Meta-Analysis - **Mostafa Alabousi**

### Fellow Group

**1st Place** - Evaluating the Impact of a Presurgical Functional Magnetic Resonance Imaging program at HHS: A Survey of Clinicians and Patients - **Khunsa Faiz**

**2nd Place** - The Impact of Slice Thickness on the Interpretation of Digital Breast Tomosynthesis - **Yen Zhi Tang**

### Graduate Group

**1st Place** - Evaluation of the Cold Head MRI-induced Artifact during Simultaneous Studies of Functional MRI and Electroencephalography - **Alejandro Amador**

**2nd Place** - Complexity Analysis of Resting State Functional Magnetic Resonance Imaging (rsfMRI) as an Early Diagnostic Tool for Alzheimer's Disease - **Ethan Samson**

### Undergraduate Student Group

**1st Place** - Addition to CT to Improve the Diagnostic Confidence for the Detection of Sacroiliac Joint Erosions in Patients with Equivocal MRI Findings - **Ibrahim Nadeem**

**2nd Place** - Radiation Safety in Interventional Radiology: Comparative Analysis of Radiation Exposure in Venous Access Procedures - **Vineeth Bhogadi**

We would like to congratulate all of the winners on their 1<sup>st</sup> and 2<sup>nd</sup> place awards and also to congratulate and thank all of the presenters who made submissions this year!

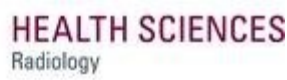
A very big THANK YOU to our three judges, Dr. Christian van der Pol, Radiology – McMaster University; Dr. Felipe Torres, Radiology – University of Toronto; and Dr. James Laceyfield, Medical Physics - Western University. As well we would like to thank Dr. Torres for his live presentation during the day's event.

Thank you also to our registrants for joining us for this academic half-day that was a great "virtual" success and to our administrative staff for all of their help in preparing to hold this event in a very short amount of time!



# Radiology Rounds by Site 2021

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>NEW! ALL SITES</b>		<b>Coming SEPT 2021!</b> 1700 Peer Learning Education Rounds	<b>NEW Sept 2021 PEER LEARNING EDUCATION ROUNDS!</b> 2nd Tuesday of the month - 5:00pm-6:00pm see next page for details		
<b>JURAVINSKI HOSPITAL AND CANCER CENTRE</b>	1200 Rad/Path Breast Rounds (@ BAC) 1230 GI DST Rounds 1400 GIUP Rounds 1600 Gyne/Onc Rounds	0800 Resident Rounds	0800 Resident Rounds 0800 Multidisciplinary Breast Rounds DST (3-88-JCC)	0700 Hepatobiliary Rounds 0815 MSK ROUNDS 0900 CNS Tumor Board 1000 Neuro Onc Rounds (Fellows) 1200 Resident Rounds 1310 Sarcoma Rounds (3rd floor Conference Room JCC)	0800 Resident Rounds (all rounds in DI Conference Rm) 1100 Head/Neck Rounds JCC 1200 Interesting Case Rounds (now on Zoom)
<b>HAMILTON GENERAL HOSPITAL</b>	1200 Radiology Teaching Rounds	0700 Spine Rounds 0800 Regional Cardiology Rounds (David Braley Centre, General Campus, Auditorium) 0815 MSK Tumor Rounds (DI Classroom) 1200 Radiology Teaching Rounds 1200 Stroke & Neurovascular Rounds (DI Classroom, Rm 2-158) 1600 Trauma Rounds (Theatre Auditorium) M&M Rounds 1st Tues.of month	0730 Vascular Rounds (5N Teaching Room) 0800 Arrhythmia Rounds (Theatre Auditorium ) 1230 M&M Rounds (DI Classroom) set once a month	0800 Stroke Rounds (David Braley Centre, General Campus, Auditorium) 0800 CNS Tumor Rounds (DI Classroom) once a month 1130 Neuro Case of the Week 1230 Interesting Case Rounds 1400 Neuro Academic Half-Day Rounds	0800 Neuroscience Rounds (David Braley Centre, General Campus, Auditorium) 1200 Radiology Teaching Rounds
<b>MCMASTER UNIVERSITY MEDICAL CENTRE &amp; MCMASTER CHILDREN'S HOSPITAL</b>	0800 Pediatric Hot Seat Resident Rounds (3F) 0800 Tumor Board (Every 2nd week – 3F) 1000 Respiratory Rounds (every 1st Monday/mth) 1200 Neuroradiology Rounds (Room 3N50)	1200 Adult Hot Seat Resident Rounds 1300 Neuro-oncology Rounds (3F) 1300 Rheumatology (1 per month—2S32)	0800 Adult GI Rounds (Room 2S32) 0800 Nep/Ur/Rad (1 per month—3H40/3H41) 0800 Child Maltreatment (quarterly—3N10)	0800 Surg/Rad/Path (SRP) Rounds (3rd Thursday of each month—Room 2S32) 1200 Adult Hot Seat Resident Rounds 1200 Peds Ultrasound (every 1st & 3rd Thursday—Room 2S32) 1300 Hemon-Oncology (every 2nd week—Room 2S32/Rad Office) 1500 Clinical Teaching Unit (CTU) (Every 4th Thurs. Room 2S32)	0800 Pediatric Hot Seat Resident Rounds 1200 GI Ped Rounds (Room 2S32)
<b>ST. JOSEPH'S HEALTHCARE HAMILTON</b>  (All rounds in DI Conference Room TO102 unless otherwise specified)	0730 Angio Access for Transplant Rounds (feasible Monday every 2 mths) 1200 Ultrasound Rounds (feasible Monday of each month) 1300-1400 Resident Rounds 1630-1730 Thyroid MCC Rounds (2nd Monday of each month) 1630-1730 Head & Neck MCC Rounds (4th Monday of each month)	0800-0900 Vascular Difficult Access Rounds (1st Tuesday of each month) 1200-1300 Interesting Case Rounds (1st, 3rd and 4th Tuesday of every month) <b>CURRENTLY ON PAUSE</b> 1200-1300 QA Rounds (2nd Tues. of mth) <b>CURRENTLY ON PAUSE</b> 1300-1400 Resident Rounds 1630-1730 Genitourinary MCC Rounds (1st and 3rd Tuesday of every month)	1200-1300 MSK Radiology Rheumatology Rounds (every Wednesday) 1300-1400 Resident Rounds	0730-0800 Colorectal Rounds 0800-0900 Breast Pathology Rounds 1200-1300 MRI Rounds (1st Thursday of every month) 1300-1400 Resident Rounds	1200-1300 Lung MCC Rounds 1300-1400 Resident Rounds



# **\*\*NEW\*\* PEER LEARNING EDUCATION ROUNDS (All Sites)** starting **September 2021!**

The Peer Learning Education Rounds will occur the second Tuesday of every month from 5:00 pm - 6:00 pm starting in September 2021 with the exception of July and August. Some of you may have already come across the invite in your email inbox for the Peer Learning Education Rounds starting Tuesday, September 14<sup>th</sup>. Each radiology subspecialty will be the focus twice during the year and **you are expected to make every effort to attend the sessions that apply to your subspecialty**. All are welcome to attend every session.

Please refer to the table below for meeting dates and subspecialties for the 2021-2022 academic year. Details for these rounds will be confirmed soon and you will receive an updated invite!

<b>DATE</b>	<b>SPECIALTY</b>
Tuesday, September 14 <sup>th</sup> , 2021	<b>BODY</b> – Cross-Sectional, Chest & Abdo (CT/MR)
Tuesday, October 12 <sup>th</sup> , 2021	<b>NEURO</b>
Tuesday, November 9 <sup>th</sup> , 2021	<b>MSK</b>
Tuesday, December 14 <sup>th</sup> , 2021	<b>X-RAY</b> (General/Non-MSK)
Tuesday, January 11 <sup>th</sup> , 2022	<b>ULTRASOUND</b> (General/Non-MSK)
Tuesday, February 8 <sup>th</sup> , 2022	<b>BODY</b> – Cross-Sectional, Chest & Abdo (CT/MR)
Tuesday, March 8 <sup>th</sup> , 2022	<b>NEURO</b>
Tuesday, April 12 <sup>th</sup> , 2022	<b>MSK</b>
Tuesday, May 10 <sup>th</sup> , 2022	<b>X-RAY</b> (General/Non-MSK)
Tuesday, June 14 <sup>th</sup> , 2022	<b>ULTRASOUND</b> (General/Non-MSK)



# THE LIBRARY

ESSENTIAL PAPERS AND RESOURCES FOR HEALTH PROFESSIONAL EDUCATION

This open-access reading list is designed for clinicians, students and scholars who are interested to learn about the world of health professions education.

The website has been curated into various topics related to HPE; along with a content experts’ seal of approval.

Do you have a question you want to start exploring? Or are you looking for an article to stimulate a seminar or journal club? We’ve taken out the guess work for you and compiled our favourite resources into one easy-to-navigate site!

Don’t forget to vote on your favourite. Think of it as Yelp for academics!

Head over to hpeworld.com to explore publications, media and more in the world of health professions education.

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HEALTH SCIENCES



# PULSE

## LATEST “PULSE” ISSUES:

**April 30, 2021**

[Bhandari named Distinguished University Professor](#)

**May 7, 2021**

[School of Nursing celebrating its 75th anniversary](#)

**May 14, 2021**

[Size, location, key factors behind COVID outbreaks in retirement homes](#)

**May 21, 2021**

[Simple surgery prevents strokes in heart patients](#)



VIRTUAL CPD CONFERENCE



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MARK YOUR CALENDAR

FRIDAY,  
JUNE 18  
2021

13:00–16:00 EDT



*1/2 day in*  
McMaster  
**NEUROLOGY**  
Clinical Update

TARGET AUDIENCE

Family Physicians, Specialists, Internists,  
Hospitalists, Physician Assistants, Nurse  
Practitioners, Registered Nurses, Clinicians,  
Residents, Students, and Other Health  
Professionals.

For Information

SHAWN LOCKE, Event Coordinator  
Continuing Professional Development Office (CPD)  
McMaster University  
[lockes1@mcmaster.ca](mailto:lockes1@mcmaster.ca)  
[chse.mcmaster.ca](http://chse.mcmaster.ca)

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# ANNOUNCEMENTS

## *NEW HEADS OF SERVICE, Body & Interventional Radiology*

### **Dr. Lori Stewart - NEW Head of Service, BODY Imaging, HHS**

Congratulations to Dr. Lori Stewart who is the new Head of Service for Body Imaging at HHS. As many are aware, Lori is a Staff Radiologist at the Juravinski Hospital site. Lori completed residency in Diagnostic Radiology at McMaster University, followed by a fellowship in Body Imaging at the University of Toronto. She completed visiting Fellowships/Observerships in Body MRI at the University of West Virginia and Mount Sinai, University of Toronto. Following completion of fellowship, Lori worked at Mount Sinai, UHN, in the Division of Abdominal Imaging, prior to joining HHS. Lori has been actively involved in topic areas including contrast induced nephropathy, contrast reaction and CT lung cancer screening. Additional experience highlights include collaborator at Cancer Care Ontario on guidelines for colorectal screening, as well as serving as the DI research coordinator for clinical trials at the JHCC. We welcome Lori to her new role at HHS, commencing July 1, 2021.

- Dr. Karen Finlay

### **Thank you to Dr. Scott Tsai - Outgoing HoS, Body Imaging, HHS**

Many thanks to Dr. Scott Tsai for his excellent contributions during his time as Head of Service for Body Imaging at HHS, a position Scott has held since 2010. Scott has been involved in many important initiatives and program improvements related to body imaging during his terms. Many thanks to Scott!

- Dr. Karen Finlay

### **Dr. Sabari Nair - NEW Head of Service, Interventional Radiology, HHS**



Congratulations to Dr. Sabari Nair who is the new Head of Interventional Radiology at HHS. Sabari works as an Interventional Radiologist, based at the Juravinski Hospital site. Sabari completed his radiology training at the University of London, UK, followed by Interventional Radiology fellowship at McMaster University, Hamilton Health Sciences. Post fellowship he was recruited to Hamilton Health Science, Juravinski site. Sabari is the current research lead for IR, Fellowship Director for the IR fellowship, HHS, McMaster University and has completed the Academic Leadership Program (ALP) at McMaster. Sabari has clinical interests in ultrasound fusion techniques, microwave ablation and radio-embolization. He is an active member of several IR committees and represented IR on the Procedural Sedation Policy Review Committee. We look forward to working with Sabari in the capacity of this new role at HHS, commencing July 1, 2021.

- Dr. Karen Finlay

### **Thank you to Dr. Gordon Yip - Outgoing HoS, Interventional Radiology, HHS**



A great note of gratitude to Dr. Gordon Yip for his long time contribution to the IR team as Head of Service. Gordon led this team through a transformational change during his time as Head of Service, evolving from a site-based to city-wide scope of practice and call coverage. The service also transitioned from a DI to Peri-op. Gordon has been involved with countless committee, teams, new initiatives and collaborations during his time as lead. Many thanks Gordon for all that you have contributed, and congratulations for your many achievements on the behalf of the team!

- Dr. Karen Finlay



THANK YOU



# Thank you from PGY-5 Graduates

*Dear McMaster Radiology Family,*

## HISTORY

As we complete our residencies here at McMaster, we want to formally thank each and every one of you for your dedication, commitment, and enthusiasm over the last 5 years. It takes a village to train a resident and we have so many individuals to thank for getting us this far.

## FINDINGS

**Dr. Landry:** What can we possibly say about the most amazing (and currently the longest serving) radiology program director in the country? You are quick-witted, approachable, affable, always available, and the program would not be quite the same without you. The role of a program director is demanding and there is so much that goes on behind the scenes; you handle it with such humility and poise. You have become invested in each of our lives, professionally and personally, and are the first to support and celebrate all of our successes. Thank you for being a true advocate for the residents, for always supporting and encouraging resident-led initiatives, and for giving us the space and the resources to implement our ideas. We have all flourished in this program under your leadership and are grateful for every check-in, well-timed joke, and ultimately always knowing how to connect with each one of us.

**Staff Radiologists:** We are so thankful for our amazing academic radiologists. You are great mentors and role models, and have been the greatest influence in molding us into the radiologists we aspire to become. Throughout the last 5 years, you have put so much effort into teaching us. Whether it was reviewing cases, hot-seat rounds (thank you for not laughing *out loud* when we said crazy diagnoses), academic half-days, or mock orals, the quality of education you have given us has been outstanding and we deeply appreciate it. Thank you for teaching us to create organized reports (and catching our typos), for applauding our pick-ups, for gently pointing out other findings, and for polishing our differential diagnoses. In addition to the formal teaching sessions, so many of you have gone out of your way to touch base with us, whether to offer words of encouragement and wisdom, or just to talk about life after residency. We are so honored to have had the privilege to work with the best academic radiologists, and we hope to make you proud in our future careers.

**Technologists & Nurses:** We are also incredibly grateful for the amazing group of technologists and nurses that we have worked with over the last several years. You have constantly played a crucial role in our training not just during our early years but also throughout the residency as we navigated our way through various modalities and overnight calls. Thank you for being so kind when we called you by accident, or on purpose. We appreciate you teaching us the best protocols, how to interpret ultrasound and scan patients, and guide us into interventional radiology, to name a few. We hope that in our future workplaces we get to work with such a wonderful and positive team.

**Administrative Staff & PACS Support:** We are so appreciative of all your regular communication about various department events, responsiveness to inquiries, timely assistance for PACS troubleshooting, and untold behind-the-scenes expertise. We want to recognize your instrumental role in improving the organization and workflow of our busy thriving department on a daily basis. A special thank you goes out to Cheney and Tara for your dedicated work with our resident group, and to Kim for your cheer and thoughtfulness in a multitude of events such as Visiting Professor lectures, CaRMS, Golf Day, and resident appreciation days.





# Thank you from PGY-5 Graduates continued...

**Fellows:** To all the fellows who have been a part of our residency training over the last 5 years, we want to express our gratitude for your teaching and support. You have taught us so much during interesting case and hot-seat rounds, and have always supported us on call. We are appreciative of the advice you have passed onto us and we are excited to step into fellowship. We thank you for your mentorship and hope to pass this on to junior trainees next year.

**Residents:** *Great colleagues are those who make work seem like play.* We are truly blessed to be part of the McMaster radiology resident group, a fantastic group of intelligent and ambitious individuals who are a pleasure to work with and down-to-earth. We have grown together over countless rounds, calls, and reporting days with each other. We have collectively taught and learned a great deal from each other. We will always look back on our shared experiences with fond memories. To the incoming junior residents please know that you are in the best radiology program in the country, and you have an amazing group of people ahead of you who will guide and teach you.

## IMPRESSION

It was an honour and pleasure working with each and everyone of you. Five years ago when we were drafting our bios for the website, most of our answers for our favourite part of the MacRad program were its people. Today, our answer remains the same.

Sincerely,

The PGY-5s

*Jane Meng, Maryann Bushara, Mallory Granholm, Devang Odedra, and Matthew Lubanovic*





# ANNUAL RADIOLOGY GOLF DAY

## ATTENTION: Golfers and Non-Golfers alike!

With COVID restrictions easing this past weekend, the Annual Radiology Golf Day will be held this year on Wednesday **June 9<sup>th</sup>** at [Century Pines Golf Club](#)

Please join your residents to celebrate the PGY5s finishing boards and welcome the new batch of PGY1s. **Tee time is 1:30 pm**. Absolutely no prior golf skill is required to join.

We will be playing a 9-hole game. Unfortunately, this year's tournament will be a little paired down from previous years' in the name of safety. **Please bring your masks** since they will need to be worn inside the clubhouse and when in the golf cart with your partner. Following the round dinner will be provided within COVID restrictions, although the details aren't quite clear yet. **The priority this year is having fun within the current guidelines set forth by the government, which I'm sure we can all do!**

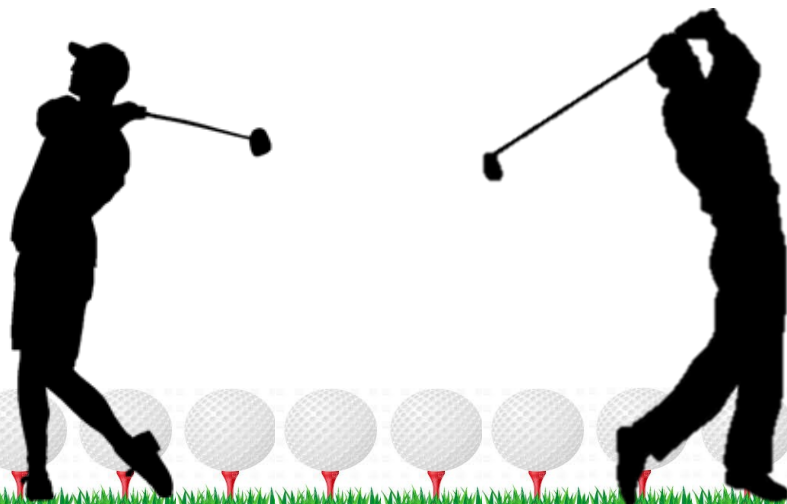
**Please RSVP** at the following link (outside of the Citrix) at the bottom of the page and indicate your skill level (beginner or played before), if you'll need rental clubs and which way you swing (same as baseball, tennis, etc.) or if you'll be bringing your own.

[https://docs.google.com/spreadsheets/d/1FVqS0IUpX9tkcclxX1vxex\\_D7Ev\\_Zc2IpWNznqu-1Xw/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1FVqS0IUpX9tkcclxX1vxex_D7Ev_Zc2IpWNznqu-1Xw/edit?usp=sharing)

There is no cost to attend. Absolutely zero skill is required to partake. Fun and safety are your only goals!

Hope to see everyone out there!

*Mirek Mychajlowycz, MD MPH  
McMaster Radiology, PGY4*





# For Your Information...

**For current COVID-19 UPDATES please check the HHS HUB!**

## **Gradual Procedural Ramp-Up**

[Provincial direction to resume non-urgent and non-emergent surgeries and procedures](#)

## **Know your personal VACCINATION STATUS Rights**

Vaccination is voluntary and staff are not required to disclose any information regarding vaccination status.

**Your vaccination status is considered your personal health information.**

In the event a patient or another staff member inquires about vaccination status, you are not required to, and even discouraged from disclosing personal health information. Appreciating this situation could feel awkward, feel free to respond with the following scripting:

*“Vaccination status is considered personal health information and private. As staff, we do not disclose personal health information.”*

You can also share that all staff are encouraged to get the vaccine.

Staff self-screen every day before coming into work and cannot come to work should they have any symptoms.

Staff and patients are protected with advanced PPE hospital protocols such as masking, gowning, gloves, and standard infection control practices.

Just to reiterate, all HHS staff are eligible for COVID-19 vaccination and information is available on the HHS Hub.

<https://www.hamiltonhealthsciences.ca/covid19/staff-physician/safety/>

<https://www.hamiltonhealthsciences.ca/wp-content/uploads/2021/01/COVID-19-Vaccination-FAQs.pdf>

## **Voluntary and Confidential Reporting of Vaccination Status (info from HUB)**

Hamilton Health Sciences, like many other hospitals, is asking all health care workers to voluntarily and confidentially share their COVID-19 vaccination status.

This information will be maintained in strict confidence in HHS Employee Health Services and will only be used and disclosed for health and safety purposes in the event of COVID-19 outbreaks, and case and contact management.

This voluntary self-disclosure is separate from the provincial COVAX registration system.

### **How to share your vaccination status**

Please access the voluntary and confidential vaccination status questionnaire through the HHS Health, Safety and Wellness Management System at this link: <https://hsc.cority.com/medicalpublicqrh/Login.rails?qcode=COVIDVAX>

You will need to update your status after you have received the first dose and again, after the second dose. The questionnaire also includes an option to identify if you are not vaccinated.

Please contact [vaccine@hpsc.ca](mailto:vaccine@hpsc.ca) if you have any questions.

**Thank you for your ongoing commitment to our patients and each other.**



# For Your Information...continued



## COVID-19 Eye Protection Update

COVID  
NON-LOW  
EPIDEMIOLOGY

### Principles of Eye Protection

- Eye protection is worn to prevent droplets/ aerosols from entering the eyes
- The risks of droplets entering the gap between the shield and forehead is negligible as the majority of droplets fall downwards and evaporate.
- For details see [Acceptable Eye Protection at HHS](#)
- Face shields provide full face protection and an added fluid resistant layer over your mask.
- Only one form of eye protection is needed

Face Shield & Half Face Shield:  
Hospital provided only



Safety Goggles & Glasses:  
Hospital Provided or Self Sourced



### Eye Protection Definitions

**Universal:** in unscreened populations (*ED, UCC, Labour & Delivery triage, dedicated COVID units, COVID Assessment center*)

- All clinical staff on the unit wear eye protection at all times.
- Non clinical staff entering a clinical unit wear eye protection based on a PCRA

**Patient Facing:** All other clinical areas (*April, 2021 to align with Public Health*)

- All staff/physicians wear eye protection during patient facing care
- Eye protection is not required while on break, in a shared office space or non clinical staff behind plexiglass (e.g. business clerk)

**Outbreak:** only for the duration of a declared outbreak

- All clinical/nonclinical staff entering the outbreak unit require eye protection, including staff in shared office spaces

### Extended Use...

is the practice of wearing PPE for multiple patient encounters and discarding prior to eating/drinking during breaks. After break, obtain new PPE.

### Cleaning of Safety Glasses/Goggles

- Use soap and water at a designated Hand Hygiene sink each time they are removed
- Staff should label & store their cleaned eye protection

**\*DO NOT CLEAN WITH HOSPITAL GRADE DISINFECTANT WIPES**

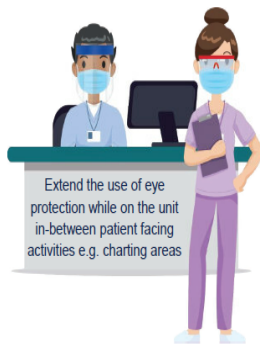
Revised April 6, replaces January 21, 2021

## In Clinical Areas

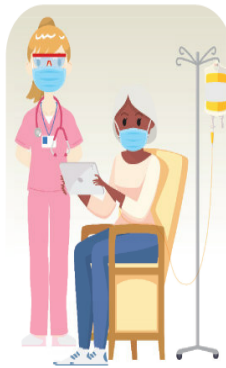
All Patient-Facing Staff Require Eye Protection



Maintain 2m from others  
Discard face shield and mask to drink  
Keep safety glasses/goggles on



Staff behind plexi-glass are only required to wear a mask



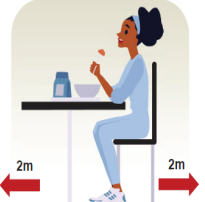
Encourage patient masking when possible, wear eye protection for all patient facing care

## In Break Rooms

Eye Protection is Not Required



Maintain 2m from others when eating and drinking  
Wear a mask when talking, reading or relaxing  
Eye protection is donned when entering patient facing areas



## In Shared Office Spaces

A mask is required when less than 2m apart, eye protection is donned upon return to the clinical unit





## Daily Faculty Evaluation Form and QR Code

A new **Daily Faculty Evaluation Form** and **corresponding QR Code** will be implemented starting **July 1<sup>st</sup>**. This evaluation is similar to the QR Code evaluation we have successfully implemented for evaluating Hot Seat rounds. The need to develop this form is based on the fact that only a few of our faculty are evaluated at the end of a resident or fellow rotation through the MEDSIS system. The number of faculty evaluations we receive is imbalanced. Some faculty receive many; some receive few or none in MEDSIS. This system will complement existing evaluations in MEDSIS and for Hot Seat rounds, adding another layer of feedback to faculty, which we can distribute on an annual basis. This new daily evaluation that is one that the residents and fellows can use to evaluate a faculty member at the end of the clinical day, for daily clinical teaching and supervision. We will ask departments to post these QR codes at each PACS work station, so that staff can ask for evaluation or a resident could trigger one anytime with accessing the QR code. We will recommend all faculty (particularly those FT not on CAWAR yet) to get at least 3-4 a month, OR they can ask for as many as they want. This will boost the Department’s faculty evaluation information.

The plan is to have this **QR Code and Daily Faculty Evaluation Form in place for a July 1<sup>st</sup>, 2021 start**. Please look for the QR Codes in the DI departments for these evaluations to be accessed and completed.



### Centre for People Development – Upcoming Offerings

**Introduction to Mindfulness** - This 2-hour workshop will provide you with a basic understanding and experience of mindfulness, an evidence based practice that promotes personal wellness and professional resiliency.

[June 23 - Learn More](#)

**Introduction to A3 Problem Solving Thinking** - Continuous Quality Improvement (CQI) is a system that introduces processes and tools to ensure those closest to the work are empowered to improve it. One of the goals of CQI is that everyone, everywhere in the organization is able to call out and solve problems that occur in their daily work using a standardized, scientific approach to problem solving.

This approach is called A3 Problem Solving or “A3 Thinking”. It can be used for problems of all sizes and involves finding and tackling the root cause of the problem.

[June 8 - Learn More](#)

[June 23 – Learn More](#)



Postgraduate  
Medical Education

### 2021 Postgraduate Medical Education: Resident Wellness Champion Award

Congratulations to **Dr. Mallory Granholm** the recipient of this year’s PGME Resident Wellness Champion Award!

This PGME award recognizes a resident who is committed to creating, promoting and advocating for a healthy and well-balanced training experience for Learners. Resident wellness is crucial to the mission in PGME to help ensure a safe, supportive and nurturing learning environment for residency education.

*“Mallory has many strong attributes. One paramount attribute is her ability to listen, you simply know that your thoughts are heard, considered and will be acted upon. When we approach her with a concern, we know that we will be listened to non-judgmentally and that in front of us is not only our friend, but also our strongest advocate. Mallory helped create and maintain a culture of open improvement and change where every resident, regardless of level, has an opportunity to bring forth a suggestion, concern, or grievance. The Resident Program Committee (RPC), headed by our Program Director, staff from various sites, and our chief residents meet on a regular basis to discuss various residency topics. We always have tangible evidence that our voice is heard in the form of RPC minutes, with a section dedicated for residents’ wellbeing. It is often that changes are made based on Mallory’s initiative to implement our feedback and make our lives as residents easier.”* - excerpt taken from resident’s nomination letter



### 2021 Postgraduate Medical Education: Faculty Award for Excellence and Innovation

Congratulations to **Dr. Ali Yikilmaz** the recipient of this year’s PGME Faculty Award for Excellence and Innovation!

This award recognizes the outstanding contributions made by a faculty member in advancing Residency Education. Dr. Yikilmaz has demonstrated exemplary teaching of residents and has made significant contributions to any of the following:

- Program development and administration demonstrating leadership and organizational skills
- Innovative approaches to teaching and assessment
- Development of novel curricula promoting intrinsic CanMEDS roles
- Research contributions to teaching and assessment or other aspects of residency education.



*“Dr. Yikilmaz’ passion for teaching is also evident during teaching rounds and Academic Half Days. The typical Radiology teaching rounds consists of “hot seat” style rounds, where a resident is shown an unknown case, identifying and describing the abnormality, offering a set of differential diagnoses and next steps for management. As residents rotate through the McMaster University Medical Centre, we always look forward to Dr. Yikilmaz’ rounds. He always ensures that each resident receives unique, new cases. He tailors cases appropriately to the resident’s PGY level.”* - excerpt taken from resident’s nomination letter



# YOU DID IT! CONGRATULATIONS!



CONGRATULATIONS once again to PGY5 graduating resident,

**DR. MALLORY GRANHOLM**

as she has been awarded the

*Medical Staff Association's*

**2021 Outstanding Resident Award**

in the **Department of Diagnostic Imaging/Radiology!**



Congratulations to **Dr. Ameya Kulkarni** as he has been offered a new position as “**Visiting Faculty in the Department of Radiology**” at the **NKP Salve Institute of Medical Sciences in Nagpur, India!** The NKP Salve Institute for Medical Sciences is affiliated with the provincial university of medical education in India. This new role involves interacting with their radiology residents for teaching, collaboration of research, and mentoring opportunity.

Dr. Kulkarni is a staff radiologist at Juravinski Hospital specializing in breast and cross-sectional imaging. Congratulations on your new position Dr. Kulkarni!



## FEATURE

# Recent Publications



**Dr. Yoan Kagoma**  
Staff Radiologist  
Juravinski Hospital



### **Which Aspects of the CanMEDS Competencies are Most Valued in Radiologists? Perspectives of Trainees From Other Specialties**

SY Lee, N Sharma, YK Kagoma, AP Lum

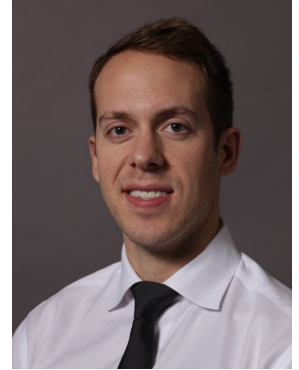
Can Assoc Radiol J. 2021 Apr 28. Apr 28, 2021

<https://doi.org/10.1177%2F08465371211008649>

# FEATURED STAFF



**Name:** Christian van der Pol  
**Full Title:** Staff Radiologist, Assistant Professor, McMaster University  
**Site:** Juravinski Hospital and Cancer Centre  
**Specialty/ies:** Abdominal Imaging



## What are you currently working on and/or participating in?

### Clinically:

The EPIC diagnostic imaging rollout. We are hoping to improve workflow for radiologists with seamless integration of the medical record and PACS. Imagine each time you open a case, all bloodwork, clinical notes, pathology reports, contact info for the MRP etc are automatically and immediately displayed!

### Educationally:

I recently joined the WHO Radiology Advisory Board where we are planning a White Paper to help align radiology practice with the pathology “Blue Books.” This past month, I was involved with several educational exhibit submissions to RSNA including on imaging radiomics in hepatocellular carcinoma, imaging of oncology patients, and others. I collaborated on an editorial led by Dr. Minu Agarwal on actionable tips to optimize the radiologist workplace. I would be happy to share any of the above with anyone who may be interested in learning more.

### Scholarly:

I have three main research projects on the go, 1- a Cochrane ‘living’ systematic review on diagnostic imaging of COVID-19 which is routinely updated as new evidence emerges, 2- an ‘individual patient data’ meta-analysis on LI-RADS where we pooled primary source data from 32 studies to compare the association of each LI-RADS Major Feature with a diagnosis of HCC; we made several exciting and unexpected findings that will likely inform future LI-RADS iterations, 3- an artificial intelligence study using MRI to assign LI-RADS categories. We have had success doing this using McMaster DICOM images and the goal is to now expand our dataset to other centres to establish external validity.

## What are your future goals?

To perform high impact research that improves patient care. I gain satisfaction from the idea of creating something that can affect many more patients than I would see in clinical practice.

## Tell us something interesting/fun you have done in the past 6 months (work related or otherwise)

I bought a bike ‘extender’ to pull my 3 year old. We have been doing almost daily family bike rides!

## What is your biggest lifetime accomplishment thus far? (work related or otherwise)

I’m most proud of my two kids, Chloe and Theo, who keep us very busy



# FEATURED STAFF



**Name:** [Luciana Ribeiro](#)  
**Full Title:** [MD, PhD, FRCPC, dABR, dABN](#)  
**Site:** [Hamilton General Hospital](#)  
**Specialty:** [Neuroradiology](#)



## What are you currently working on and/or participating in?

### Clinically:

Solidifying the clinical pre-operative functional MRI with addition of tractography to provide further anatomical details and support surgical neuro-navigation for treatment of brain tumors. As a next step in the development of our advanced MR techniques, we hope we would be able to implement cerebral reactivity as part of our routine investigation techniques to be offered to patients with cerebrovascular disease.

### Educationally:

I have been working since July 2019 as Program Director for the Royal College Accredited Neuroradiology program. As part of our work, we have completed the transition of the program to the CanERA standards and completed a successful internal review last fall. Currently we are working on few minor areas of improvement as per internal review report. Additionally, we have created a CQI lead position in the program (Dr. David Li) and we are in the process of implementing a full CQI program. Finally, we have developed a second year dedicated interventional neuroradiology elective and we are launching July 1, 2021, our first combined Diagnostic and Neurointerventional residency training position. Dr. Siddiqi will be our first resident to complete the 2 years program. We are anticipating that we will be able to migrate this program in the near future and fulfill the Royal College AFC requirements for Neurointerventional certification when this becomes available.

### Scholarly:

I am currently working with Dr. Faiz in producing our first paper looking into the impact of using pre-operative functional MR at HHS. A preliminary data will be presented in our upcoming Radiology Research Day. Additionally, I am supervising Dr. Hussam Kaka during a research month elective where he is working in completing a full paper of our original research looking into the use of contrast enhanced MRA versus TOF MRA for the assessment of post coiling aneurysms. We are hoping to produce clinical guidelines that will be helpful for the follow up of post coiled aneurysm patients with the goal of reducing gadolinium use.

## What are your future goals?

I have few in mind! At this point my next focus is to start the process of developing the CBD standards for Neuroradiology Residency together with our Royal College subspecialty committee. We start our workshops in the next fall and I am looking forward being part of this process that will reshape the future of Neuroradiology training in Canada. I have also particular interest in leadership, all facets of it, and I am always looking for opportunities to improve my leadership skills. I plan in pursuing more formal leadership training in healthcare along the next few years.

## Tell us something interesting/fun you have done in the past 6 months (work related or otherwise)

I have started snowshoeing and doing Nordic walks/hikes in the mountains at Bruce Trail and Blue Mountain area! My family and I love the winter what surprises lots of my Canadian friends given my Brazilian heritage. But with covid, we felt it was difficult to ski and be involved in all ski activities as we do every year! We decided to try something new with the kids and we had lots of fun!

## What is your biggest lifetime accomplishment thus far? (work related or otherwise)

Without a doubt my kids are my biggest lifetime accomplishments! It is true they drive me crazy sometimes as it is not easy to keep up with my standards (words of my husband) but I am a really proud mommy and love every minute of it!



Over the past year, published research in radiology has had a large concentration on research involving Artificial Intelligence (AI) or COVID-19. If you refer to the “Most Read” articles in the past six months of the Canadian Association of Radiologist Journal (CARJ), you will see that seven out of nine articles focus on AI or COVID-19. Even over the past three years, five out of nine of the most cited articles in CARJ are on AI or COVID-19. Clearly these two topics are of great interest to researchers and editors alike!

A few weeks ago, a new study was published in the journal of npj Digital Medicine, where researchers at NYU Grossman School of Medicine developed an AI tool for chest X-ray to determine which COVID-19 patients would develop life-threatening complications within four days of the X-ray. The AI tool used several hundred gigabytes of data from 5,224 chest X-rays taken from 2,943 COVID-19 patients. The computer program accurately predicted four out of five infected patients who required intensive care and mechanical ventilation and/or died within four days of admission. As with similar applications, a major advantage is that the accuracy can continue to improve as more data is feed to it. The investigators stated, “Emergency room physicians and radiologists need effective tools like our program to quickly identify those COVID-19 patients whose condition is most likely to deteriorate quickly so that health care providers can monitor them more closely and intervene earlier.” This is just another example of how AI is continuing to improve health care and will assist with treating COVID-19 patients!

*Jane Castelli*

MIIRC@M brings together radiologists and engineers in order to bridge the gap between clinical studies and computer sciences and to solve specific issues in Medical Imaging; a cross-over program between the Faculty of Health Sciences and Engineering, the centre has been funded by both Faculties and its goal is to provide a nurturing environment to the researchers interested from McMaster or other institutions, match the adequate skills and resources, and facilitate access to grants and industry partnerships.

Wishing you all a wonderful summer!  
Next issue September 2021!



The spread of Covid-19 is based on two factors

1. How dense the population is
2. How dense the population is

MEANWHILE, INSIDE THE FRIDGE



I would like to take the time to especially thank **Marilynn Scott** for her excellent proof-reading abilities. The newsletter gets sent to Marilynn each month for a good once over before it gets sent out to our readers. Without her I'm sure there would be many more grammatical errors!

**Thank you Marilynn!!!!**

Donate. Walk. Wheel.



Choose your own adventure!  
Set your distance or time to walk or wheel between June 4 and 13.



REGISTER TODAY!

## HOLIDAY CALENDAR

- Canada Day – Thursday, July 1<sup>st</sup>
- Civic Holiday – Monday, August 2<sup>nd</sup>
- Labour Day – Monday, September 6<sup>th</sup>

## To Be Safe, Wear Them in the Right Place



*This is our last issue before the summer break for July and August! I wish all of you a wonderful summer and I hope you all have a chance to relax and enjoy the best of the season maybe by a pool or lake?*

*Our next issue will be in September 2021 with the start of a new academic year.*

- Tori

DO YOU HAVE A STORY  
IDEA TO SHARE?

Email: [howesv@hhsc.ca](mailto:howesv@hhsc.ca)

If you feel well, please donate blood: [www.blood.ca](http://www.blood.ca)