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# Medical

# Imaging



MESSAGE  
FROM THE CHAIR

Dr. Julian Dobranowski



Medical  
Imaging



Hamilton  
Health  
Sciences

St. Joseph's  
Healthcare & Hamilton

Welcome back! I hope everyone had a wonderful summer. The beginning of the 2023-2024 academic year has started with the exciting news of our official name change to the Department of Medical Imaging! The featured announcement from the Faculty of Health Sciences is located on the next page with a link to the McMaster article.

The public launch of the Centre for Integrated and Advanced Medical Imaging (CIAMI), a collaborative initiative between our department and McMaster University, Mohawk College, St. Joseph's Healthcare Hamilton and Hamilton Health Sciences took place on Thursday, August 24th where we welcomed the Ontario Minister of Health, Sylvia Jones, the President of McMaster, David Farrar, Dean and Vice-President of the Faculty of Health Sciences, Dr. Paul O'Byrne and HHS CEO, Rob MacIsaac. Please see details of this exciting new collaboration of training, research and patient care, in the 'Featured' section of the newsletter. Thank you to our CIAMI McMaster Implementation Team; Lisa Reid, Kelly van Staaldinuen, Dr. Karen Finlay and Dr. Michael Noseworthy on a job well done! Thank you also to our CIAMI hospital partners, including Leslie Gauthier, Sarah Jane Adams, Janet Burr, Rick Badzioch, and Cheryl Livingston.

We are excited to start another academic year by welcoming seven new members

to our faculty complement! Over the summer we welcomed back four former learners in our program who have now returned as faculty members! Please join me in welcoming back Dr. Mostafa Alabousi (JH), Dr. Khunsa Faiz (HGH), Dr. Darya Kurowecki (JH) and Dr. Nanxi Zha (JH)! In September we will also be welcoming another former resident, Dr. Patrick Kennedy (SJHH), as well as two radiologists from 'across the pond', Dr. Danish Barakzai (MCH) and Dr. Jane Topple (SJHH).

This year we welcome 25 fellows into our fellowship programs across our sites, which now includes Niagara Health Services and the Niagara satellite campus. We have begun new fellowships in Artificial Intelligence (multi-site), Thoracic Imaging (SJHH), and Nuclear Medicine (multi-site), and are resuming the Pediatric Imaging Fellowship at McMaster Children's Hospital in early September.

A new Master's degree, Master of Biomedical Innovation (MBI) has been created and initialized by the Marnix E. Heersink School of Biomedical Innovation and Entrepreneurship under the guidance of Dr. John Kelton, Executive Director of the Michael G. DeGroot Initiative for Innovation in Healthcare at McMaster. The MBI program was created to address healthcare innovation as well as the entrepreneurship gap in Canada, to create homegrown, health-care entrepreneurs

who will help to create jobs and build wealth in Canada, and to complement a growing ecosystem of programs, partners, an activities focused on health innovation. It is the first graduate health-care entrepreneurship program of its kind in Canada. Further information on this degree is included in this issue.

Our department is currently working on the next 5yr departmental report that will be available in October. We are working to compile all necessary information for this report which will include a confidential appendices with our faculty members' CVs. You may have seen an email come across your desks asking that you complete your McMaster CV for this report. Please take the time to update and/or create your CV in the McMaster Faculty of Health Sciences Database for this important document (pg 12), as it gives our faculty members the chance to highlight important activities they have successfully achieved in our department and at McMaster.

Stay safe,

*Julian Dobranowski*

Our Department name has officially changed!

*Welcome to the newly named...*

## **DEPARTMENT OF MEDICAL IMAGING**

Faculty of Health Sciences, McMaster University

Welcome to the Department of Medical Imaging! This new name change came into effect on July 1, 2023.

Our department has had a name change in its sights since early 2022 when a survey was first sent to faculty members for their suggestions on a name that would better represent our department and all of the activities that fall under it. The name 'Medical Imaging' was chosen as it provides a broader 'umbrella' to include all of the imaging modalities we use in diagnostic and interventional radiology today. Please take the time to update your signature lines and see below for the link to the official university logos for our department.

This was officially announced by the Faculty of Health Sciences, on their website, on June 26th, 2023. Please see the original announcement and link below:

*"The name change to Department of Medical Imaging better reflects the business of the department and the expansion of our academic discipline," said Julian Dobranowski, professor and chair of the department, which resides in the Faculty of Health Sciences.*

*Dobranowski said that X-ray departments worldwide often go by different names such as radiology, diagnostic imaging or roentgenology. He said these names stem from the historical roots of the discipline centered around the use of X-ray radiation for making diagnoses.*

*"This name change highlights that today our department also uses non-X-ray technologies, such as ultrasound and magnetic resonance imaging, and performs therapeutic and not just diagnostic work. Our department also includes nuclear medicine physicians, medical physicists and engineers," said Dobranowski*

[Department of Radiology changes name to Medical Imaging](#)

University Brand Logos can be found here for download:

[McMaster University Department of Medical Imaging Logos](#)



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Medical  
Imaging



# SEPTEMBER 2023

Monday	Tuesday	Wednesday	Thursday	Friday
				<b>01</b> DEPARTMENT OF MEDICAL IMAGING Name Change in Effect Please <b>UPDATE</b> your signature lines & logos
<b>04</b> <i>Labour Day            Holiday</i>	<b>05</b>	<b>06</b>	<b>07</b>	<b>08</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b> REGIONAL ROUNDS Dr. K. Dhamanaskar & Dr. N. Hodgson	<b>15</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>

# OCTOBER 2023

Monday	Tuesday	Wednesday	Thursday	Friday
02	03 <i>Visiting Professor</i>	04 <i>Visiting Professor</i>	05	06
09 <i>Thanksgiving Holiday</i>	10	11	12	13
16	17	18	19 REGIONAL ROUNDS <i>TBA</i>	20
23	24	25	26	27
30	31 TRICK OR TREAT! <i>Happy Halloween!</i>	 <p><b>BREAST CANCER AWARENESS MONTH</b></p>		



## NEW FELLOWS 2023-2024

Please join the Department of Medical Imaging in welcoming our new group of fellows for the 2023-2024 academic year! Having established fellowship programs at the Niagara site, the inclusion of new fellowships in artificial intelligence and thoracic imaging, and also introducing fellows in nuclear medicine and pediatric imaging we are excited to have more than ever before in our program with 25!

We welcome the following fellows;

**Areen Almasri**—Comprehensive Body Imaging Fellowship—Niagara Health (Feb 1, 2023)

**Zehra Hasiloglu**—Neuroradiology Fellowship—HGH (July 1, 2023)

**Bradley Davis**—Neuroradiology 2yr Residency—HGH (July 1, 2023)

**Ajit Kishore**—Interventional Radiology Fellowship—HGH/JH (July 1, 2023)

**Zachary Hugh**—Breast/Cross-Sectional Fellowship—JH (July 1, 2023)

**Mashail Sabir**—Breast/Cross-Sectional Fellowship—JH (July 1, 2023)

**Engy Abbas**—Breast/Cross-Sectional Fellowship—JH (July 1, 2023)

**Denny Mathew**—MSK Fellowship—JH/SJHH (July 1, 2023)

**Arvin Haghighat**—MSK Fellowship—JH/SJHH (July 1, 2023)

**Ranbir Singh Saraon**—Combined Cross Sectional Fellowship—JH/SJHH (July 1, 2023)

**Mohamed Al Ajmi**—Interventional Radiology Fellowship—JH/Niagara Health (July 1, 2023)

**Athari Al-Obaidani**—Nuclear Medicine 2-yr Fellowship—All Sites (July 1, 2023)

**Fatema Al-Sawafi**—Nuclear Medicine 2-yr Fellowship—All Sites (July 1, 2023)

**Tahani Mohammad Alghamdi**—Breast/Cross-Sectional Fellowship—SJHH (July 1, 2023)

**Sofia Ventura-Diaz**—Breast/Cross-Sectional Fellowship—SJHH (July 1, 2023)

**Rabab Al Mansoori**—Cross Sectional Fellowship—SJHH (July 1, 2023)

**Maryam Al Khouri**—Thoracic Imaging Fellowship—SJHH (July 1, 2023)

**Ambreen Zahoor**—Combined Cross Sectional Fellowship—JH/SJHH (Aug 1, 2023)

**Mustafa Sabil**—Cross Sectional Fellowship—JH (Aug 21, 2023)

**Samantha Singh**—Interventional Radiology Fellowship—HGH/JH/Niagara Health (Sept 1, 2023)

**Annastaceya Dhaniram (Hira)**—Pediatric Radiology Fellowship—McMaster Children's Hospital (Sept 1, 2023)

**Kale O'Neill**—MSK Fellowship—HGH (Sept 15, 2023)

**Yassir AlMalki**—Artificial Intelligence Fellowship—HGH/SJHH (Oct 1, 2023)

**Hashim Ali AlSalman**—Comprehensive Body w/MSK exposure—Niagara Health (Dec 1, 2023)

**Narisha Maharaj**—Comprehensive Body Imaging Fellowship—Niagara Health (Jan 1, 2024)

## PEDIATRIC ON-CALL PREPARATION for JUNIOR RESIDENTS

Dr. Nina Stein, in collaboration with Dr. Ali Yikilmaz, spearheaded, created and developed a dedicated half day to help prepare our junior residents in their transition to pediatric imaging on-call. Dr. Stein recently took part in the first resident session with excellent review. This new addition to the junior residency curriculum will allow for learners at this level to feel more confident and comfortable in covering a pediatric on-call rotation and in reporting acute pediatric cases overnight.



## FUN ON THE FARM! RESIDENCY WELCOME EVENT

The radiology residency program celebrated the new academic year and welcomed our new PGY 1 residents in July with an event at Tall Post Cider. Lots of fun and laughter with friends, family, and farm animals. Thanks to Drs. Natasha Larocque and Manuel Gil for organizing a great event!



## 2nd RADIOLOGY BOOTCAMP ELECTIVE FOR MEDICAL STUDENTS

The second Radiology UGME Bootcamp Elective was held successfully during the week of August 14-18, 2023! The participating medical students spent the week attending engaging lectures created by our talented radiologists, and spent time in the simulation lab practicing imaging guided procedures. The students were full of praise and gratitude, and really appreciated all of the staff who took time to teach them. Many of them expressed increased confidence and curiosity in our specialty going forwards into clerkship. A huge thank you to our participating staff radiologists, residents, and fellows including Dr. Prasa Gopee-Ramanan, Dr. Natasha Larocque, Dr. Stefanie Lee, Dr. Ameya Kulkarni, Dr. Kathleen Hames, Dr. Adam Legge, Dr. Victoria Tan, Dr. Scott Caterine, Dr. Niharika Shahi, Dr. Alex Pozdnyakov, Dr. Sami Adham, and Dr. Arvin Haghighat.



Dr. Zonia Ghumman  
Bootcamp Elective Lead  
Assistant Professor  
Dept of Medical Imaging  
McMaster University



# VISITING PROFESSOR SERIES

Offered IN-PERSON and on ZOOM!

## Details sent to inboxes soon!

TUESDAY, OCTOBER 3rd and WEDNESDAY, OCTOBER 4th, 2023

Campbell Auditorium - St. Joseph's Healthcare Hamilton, Juravinski Tower, Level 2 - Room T2202

**Tuesday, October 3rd, 2023 - 6:00 pm**

**Wednesday, October 4th, 2023 - 7:30 am**

**Wednesday, October 4th, 2023 - 12:00 pm**

## SAVE THE DATES 2023-2024

**Tuesday, November 7th and Wednesday, November 8th, 2023**

**Emergency Radiology**

**Tuesday, January 9th and Wednesday, January 10th, 2024**

**Obstetrical & Gynecological Imaging**

**Tuesday, February 6th and Wednesday, February 7th, 2024**

**Cardiac Imaging**

**Tuesday, March 5th and Wednesday, March 6th, 2024**

**Abdominal Imaging**

**Tuesday, April 2nd and Wednesday, April 3rd, 2024**

**Chest Imaging**

**Tuesday, May 7th and Wednesday, May 8th, 2024**

**Breast Imaging**

**Tuesday, June 4th and Wednesday, June 5th, 2024**

**W Peter Cockshott Memorial Lecture**

**MSK Imaging**

Looking for Visiting Professors pre-recorded presentations? Visit >> <https://radiology.mcmaster.ca/education/academic-activities/visiting-professor-program/>



# Regional Medical Imaging Rounds

Please join us for the next Regional MI Rounds  
**Thursday, September 14, 2023**

Featuring Dr. Kavita Dhamanaskar and Dr. Nicole Hodgson

***“Preoperative Breast Localization Procedures: Radiological and Surgical Perspectives”***

Registration details to be sent via email soon!

**Preoperative Breast Localization Procedures:  
Radiological and Surgical Perspectives**

**Dr. Kavita Dhamanaskar**  
Associate Professor,  
Department of Medical Imaging,  
McMaster University,  
Site Chief & Head of Service - Breast  
Imaging, Medical Lead - BAC, JHCC,  
HHS

**Dr. Nicole Hodgson**  
Associate Professor,  
Department of Surgery,  
McMaster University  
Surgical Oncologist & Co-Lead,  
Breast Surgical Oncologist Disease  
Site Team - BAC, JHCC, HHS

**Objectives**

1. Overview of wire localization
2. New localization techniques: advantages and disadvantages
3. Radiological/surgical correlation: impact on patient experience

**Medical Imaging Regional Professor Rounds**  
**September 14, 2023 5:30 p.m.**

McMaster University

*Thank You to Dr. John Donnellan & Dr. Nasrin Samji*

We would like to thank Dr. John Donnellan and Dr. Nasrin Samji for their excellent rounds presentation on “Voids in Pediatric Vascular Anomalies: What, When and How” on August 3rd, 2023.

Drs. Donnellan and Samji covered this topic extremely well and provided important knowledge on this subject to the attendees. We sincerely appreciate their time and dedication to sharing their expertise on this specialized topic.

Thank you to our registrants and attendees as well as our administrative assistants for distribution of the Regional Rounds information and flyer!

**VOIDS IN PEDIATRIC VASCULAR ANOMALIES:  
What, When and How**

**Dr. John Donnellan**  
Assistant Professor,  
Department of Radiology,  
McMaster University,  
Pediatric Interventional Radiologist,  
Site Chief & Pediatric Imaging Lead,  
McMaster Children's Hospital, HHS

**Dr. Nasrin Samji**  
Assistant Professor,  
Department of Pediatrics,  
Division of Hematology & Oncology,  
McMaster University,  
Pediatric Hematologist/Oncologist,  
McMaster Children's Hospital, HHS

**Objectives**

1. Tips and tricks for diagnosis - radiological and physical exam
2. Complications and challenges in treatment
3. When to refer and special considerations

**Medical Imaging Regional Professor Rounds**  
**August 3, 2023 5:30 p.m.**

McMaster University

**Stayed tuned for future Rounds - October Date TBA**

# Faculty Evaluation QR Codes

## *Reminder for Faculty Members to Use QR Codes to Gather Evaluations!*

The Department of Radiology uses the two QR Codes below to track rounds and regular 'daily' evaluations for our faculty members. The faculty members are responsible for the outreach to have these evaluations completed. These two evaluations were created by the Department of Radiology to help to capture further consistent teaching evaluation material in conjunction with the evaluations done through Medsis and the university. If you have any questions in regards to the evaluations or QR Codes below, please email [howesjov@mcmaster.ca](mailto:howesjov@mcmaster.ca).

### DAILY EVALUATION QR CODE

The purpose of the Daily Evaluation is to provide learners and faculty members the opportunity to evaluate during regular teaching activities and be evaluated on a regular basis whereby faculty members may not otherwise receive an evaluation through the university.

These evaluations are CONFIDENTIAL and are used to compliment Medsis TES evaluations performed by the university.

**Learners are encouraged to complete these evaluations regularly for any faculty members that they have engaged with.**

This Daily Evaluation QR Code is posted in reading rooms across all sites.



### ROUNDS EVALUATION QR CODE

The purpose of the Rounds Evaluation is to provide learners the opportunity to evaluate faculty members during **rounds presentations**.

These evaluations are CONFIDENTIAL and are used to compliment the Medsis TES evaluations performed through the university.

**Faculty Members** are encouraged and **responsible** for including this Rounds Evaluation QR Code at the end of their rounds presentations for learners to use and evaluate.



# Radiology Rounds by Site 2023

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>ALL SITES</b>		1700 Peer Learning Education Rounds (2nd Tuesday/month)			
<b>JURAVINSKI HOSPITAL AND CANCER CENTRE</b>	<p>0800 Resident Rounds (Zoom)</p> <p>1230 GI DST Rounds (Zoom)</p> <p>1400 GIUP Rounds (JCC)</p> <p>1600 Gyne/Onc Rounds (Zoom)</p>	<p>0815 MSK ROUNDS (Zoom)</p> <p>1200 Rad/Path Breast Rounds (@ BAC)</p>	<p>0800 Resident Rounds</p> <p>0800 Multidisciplinary Breast Rounds DST (3-88-JCC) *Resumes Sept 13th*</p>	<p>0700 Hepatobiliary Rounds (Zoom)</p> <p>0900 CNS Tumor Board</p> <p>1000 Neuro Onc Rounds (Fellows)</p> <p>1200 Resident Rounds (Zoom)</p> <p>1310 Sarcoma Rounds (Zoom)</p>	<p>0800 Resident Rounds (all rounds in DI Conference Rm)</p> <p>1100 Head/Neck Rounds JCC</p> <p>1200 Interesting Case Rounds (Zoom)</p>
<b>HAMILTON GENERAL HOSPITAL</b>	<p>1200 Radiology Teaching Rounds</p>	<p>0700 Spine Rounds</p> <p>0800 Regional Cardiology Rounds (David Braley Centre, General Campus, Auditorium)</p> <p>0815 MSK Tumor Rounds (DI Classroom)</p> <p>1200 Radiology Teaching Rounds</p> <p>1200 Stroke &amp; Neurovascular Rounds (DI Classroom, Rm 2-158)</p> <p>1600 Trauma Rounds (Theatre Auditorium) M&amp;M Rounds 1st Tues. of month</p>	<p>0730 Vascular Rounds (5N Teaching Room)</p> <p>0800 Arrhythmia Rounds (Theatre Auditorium )</p> <p>1230 M&amp;M Rounds (DI Classroom) set once a month</p>	<p>0800 Stroke Rounds (David Braley Centre, General Campus, Auditorium)</p> <p>0800 CNS Tumor Rounds (DI Classroom) once a month</p> <p>0815 MSK Trauma Rounds (Zoom)</p> <p>1130 Neuro Academic Half-Day Rounds</p> <p>1230 Interesting Case Rounds</p>	<p>0800 Neuroscience Rounds (David Braley Centre, General Campus, Auditorium)</p> <p>1200 Radiology Teaching Rounds</p>
<b>MCMASTER UNIVERSITY MEDICAL CENTRE</b>	<p>Pediatric Hot Seat Resident Rounds (scheduled mth to mth)</p> <p>0800 Pediatric Tumor Board (Every 2nd week – 3F)</p> <p>1200 Pediatric Neuroradiology Rounds (Room 3N50)</p>	<p>1200 Adult Hot Seat Resident Rounds</p> <p>1200 PVA Vascular Rounds (1st Tues. of the month)</p> <p>1300 Neuro-oncology Rounds (3F)</p> <p>1300 Rheumatology (2nd Tues. of each month)</p>	<p>0800 Adult GI Rounds (Room 2S32)</p> <p>1200 CPEP-Seizure Rounds (2nd Wed of the month)</p>	<p>0800 Surg/Rad/Path (SRP) Rounds (3rd Thursday of each month—Room 2S32)</p> <p>0900 Respiratory Rounds (2nd Thursday of each month)</p> <p>1200 Adult Hot Seat Resident Rounds</p>	<p>1200 GI Ped Rounds (Room 2S32—Every other Friday)</p> <p><b>**NOTE:</b> Pediatric Resident Rounds are scheduled on a month by month basis - day/time is not always the same**</p>
<b>ST. JOSEPH'S HEALTHCARE HAMILTON</b> <small>(All rounds in DI Conference Room TO102 unless otherwise specified)</small>	<p>0730 Angio Access for Transplant Rounds (feasible Mon. bimonthly)</p> <p>1200 Ultrasound Rounds (feasible Monday of each month)</p> <p>1300-1400 Resident Rounds</p> <p>1630-1730 Thyroid MCC Rounds (2nd Monday of each month)</p> <p>1630-1730 Head &amp; Neck MCC Rounds (4th Monday of each month)</p>	<p>0800-0900 Vascular Difficult Access Rounds (1st Tuesday of each month)</p> <p>1200-1300 Interesting Case Rounds (1st, 3rd &amp; 4th Tuesday of every month) <b>ON PAUSE</b></p> <p>1200-1300 QA Rounds (2nd Tues. of mth) <b>ON PAUSE</b></p> <p>1300-1400 Resident Rounds</p> <p>1630-1730 Genitourinary MCC Rounds (1st and 3rd Tuesday of every month)</p>	<p>1200-1300 MSK Radiology Rheumatology Rounds (every Wednesday)</p> <p>1300-1400 Resident Rounds</p>	<p>0730-0800 Colorectal Rounds</p> <p>0800-0900 Breast Pathology Rounds</p> <p>1200-1300 MRI Rounds (1st Thursday of every month)</p> <p>1300-1400 Resident Rounds</p>	<p>1200-1300 Lung MCC Rounds</p> <p>1300-1400 Resident Rounds</p>

# ATTENTION FACULTY MEMBERS!!!

## Completing & Updating your McMaster CV on the Faculty of Health Sciences Database (FHS DB)

MacFacts CV entry is a thing of the past! You can now click on the [link provided below](#) to **update your McMaster CV using the Faculty of Health Sciences Database!** The FHS-DB is designed to make your CV entry and editing easier than before! It is user-friendly, you use your MacID and password to login and training information is provided within your home screen. If you have created a MacFacts CV in the past that data will have transferred over to the FHS-DB; however, if you have found that it has not, please contact, Tori Howes-Jones ([howesjov@mcmaster.ca](mailto:howesjov@mcmaster.ca)) in the Department of Medical Imaging (formerly Radiology)

### To Login:

- ⇒ Click on the link: <https://fhsdb.mcmaster.ca/>
- ⇒ Choose "Login with MacID and Password"

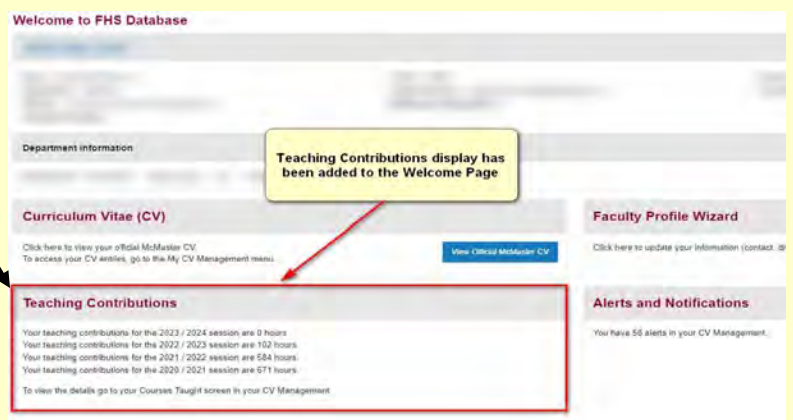
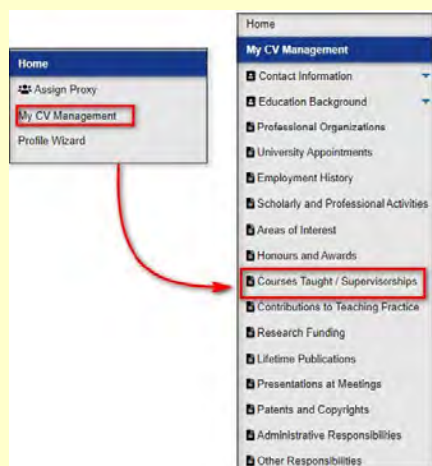
*"The FHS-DB is designed to meet the unique and essential needs of FHS. It will provide an intuitive user experience, enhanced functionality and improved synchronization with other sources across campus"*

The FHS-DB is:

- Streamlining administrative processes and increasing the efficiency and accuracy of data collection
- Providing information related to credited teaching contributions, personal information, and academic appointments
- Facilitating better use of reporting for all members across the faculty
- Accessible from a laptop or PC that has a modem browser and internet access

## FHS-DB New Feature! Teaching Contribution Tile

Faculty Members can now see their approved FHS teaching contribution totals as they now appear on the FHS-DB Home Page screen. A new information tile has been added to show the last four years of educational/teaching contribution hours listed.



To view details of the educational/teaching contributions, select "My CV Management", which will open your CV sections. The teaching information will be found in the "Courses Taught/Supervisorships" section.



## MARNIX E. HEERSINK SCHOOL OF BIOMEDICAL INNOVATION & ENTREPRENEURSHIP

# MASTER OF BIOMEDICAL INNOVATION

The ONLY Canadian entrepreneurship graduate program devoted to biomedical innovation.

**LEADERSHIP. COACHING. MENTORSHIP. NETWORKING.**



One-year professional graduate-level program



Flexible program delivery. Primarily online with in-person option, and four one-week bootcamps in Hamilton.



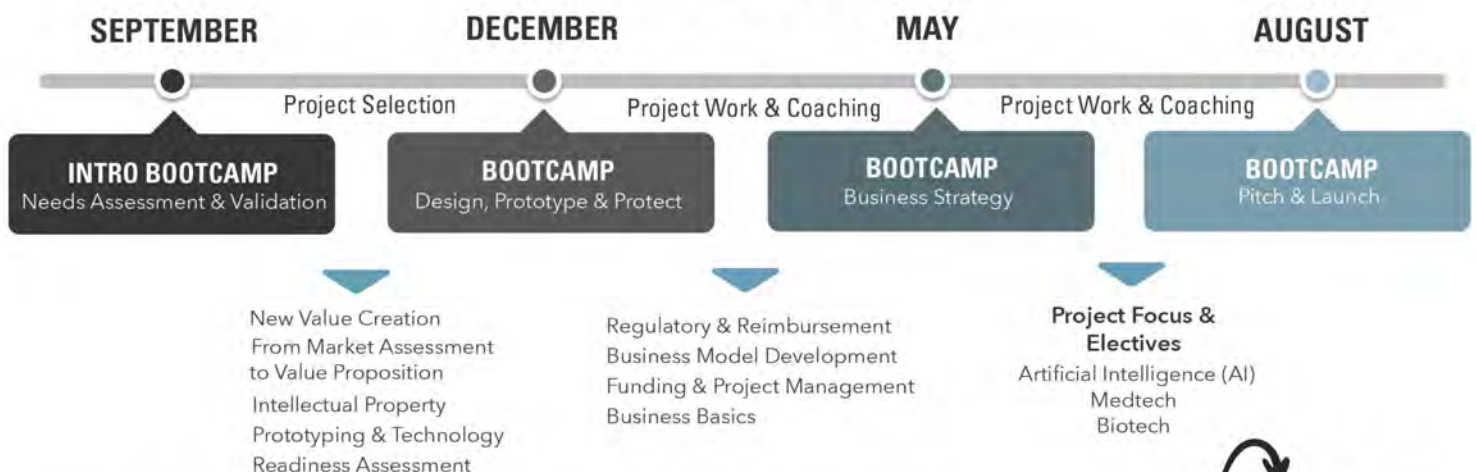
Bring your own project, take one off the shelf, or develop a new project

### THE MBI IS UNIQUE

- ▶ Identify problems in the health-care setting and innovate with teams to fix them.
- ▶ Gain a skillset, practical experience and become part of a network of successful entrepreneurs who know how to take health-care solutions to market.
- ▶ Make a real impact on health and society, and receive a Masters degree.

*Bootcamps are in-person, five-day intensives where you will learn from renowned speakers, meet successful entrepreneurs, visit hospitals or industry manufacturing, network, and more!*

### PROGRAM OVERVIEW



**IMPACT. DISRUPT. INNOVATE.**  
**MBI.MCMASTER.CA**

LEARN MORE  
& APPLY

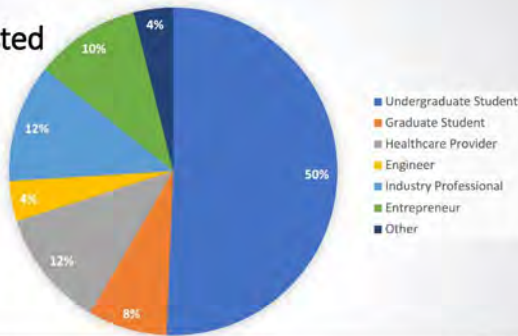




# MARNIX E. HEERSINK SCHOOL OF BIOMEDICAL INNOVATION & ENTREPRENEURSHIP

## Who is interested in the MBI?

Information Session Demographics



## Why an MBI program?

- To address a **health-care innovation and entrepreneurship gap** in Canada
- To create **homegrown, health-care entrepreneurs** who will create jobs and build wealth in Canada
- Complement a **growing ecosystem** of programs, partners, and activities focused on health innovation and entrepreneurship

*The MBI is the first graduate health-care entrepreneurship program of its kind in Canada.*

## Why take the MBI?

- Become a **founder or co-founder** in a health-focused startup company
- Spin out a **new technology** from your academic research or clinical area
- Advance the **innovative agenda** of an existing health-focused company or organization
- Work for an **emerging health or medical technology** company
- Leverage the **entrepreneurial knowledge and skills** acquired in the MBI and transition into a leadership role in various industries

## MBI highlights

- **One-year, project oriented, graduate program**
- Program will guide learners through the **biomedical innovation and entrepreneurship process**
- You will better understand emerging opportunities in therapeutics, artificial intelligence, medtech, and more
- Bring your own project, take one off the shelf, or develop a new project
- **One-on-one coaching**
- Program is anchored by **four in-person bootcamps**

## MBI program and curriculum overview



## Bootcamp highlights

- One-week, in-person
- Networking
- Immersive experiences
- High profile guest speakers
- Project discussions

### Bootcamp dates

September 11-15, 2023\*  
 December 2-6, 2023  
 April 7 – 11, 2024  
 September 8 – 12, 2024  
\*dates to be finalized

Apply starting April 17, 2023

# BE A HEALTH CARE DISRUPTOR

## Admissions process

### Step 1 – Initial Candidacy

- Submit a **statement of intent** outlining your health innovation or entrepreneurship goals
- Submit a current **CV/resume**
- Interested applicants will be **invited to meet with a member of the MBI admissions team** to review their interest in the MBI program, learn more about each applicant and answer any questions.

### Step 2 – Formal Application and Admissions Process

- Applicants will be invited to submit their application materials and transcripts through McMaster Graduate Studies.

### Step 3 – Application Review & Acceptance

- All applications will be reviewed by the MBI Admissions Committee and formal offers will be delivered by Graduate Studies, thereafter.



MARNIX E. HEERSINK SCHOOL OF BIOMEDICAL INNOVATION & ENTREPRENEURSHIP



MBI

# ANNOUNCEMENTS



Medical Imaging

## *Welcome New Faculty Members!*



### The Department of Medical Imaging Welcomes 7 New Faculty Members!

We are excited to announce and welcome seven new full time faculty members to the department; including many familiar faces and a couple of radiologists from 'across the pond'!



#### Darya Kurowecki MA, MD, FRCPC - Juravinski Hospital

On July 1st we were pleased to welcome back a familiar face to our department, Dr. Darya Kurowecki. Darya was a resident in our Diagnostic Imaging Residency Program and recently completed her fellowship in Women's Imaging at University Health Network, University of Toronto. Dr. Kurowecki has returned as a staff radiologist at the Juravinski Hospital site, Hamilton Health Sciences, specializing in body and breast imaging. A little lesser known fact about Dr. Kurowecki is that she has a Master's Degree in Clinical Psychology from York University! She is interested in medical education and research. When not working she spends time traveling and enjoying different foods (a self-reported foodie) and shares her love of adventure with her husband and daughter. Please give her a warm welcome if you haven't already!

#### Nanxi Zha MD, FRCPC - Juravinski Hospital

Starting on July 1st, we welcomed another familiar face, Dr. Nanxi Zha! Dr. Zha is a previous resident in our residency program, graduating alongside Dr. Kurowecki in June 2022. She completed her fellowship in Breast and Cross-Sectional Imaging in our department at the Juravinski Hospital, Hamilton Health Sciences site and is excited to return as a breast and body staff radiologist! Dr. Zha enjoys spending time with her husband and chasing around her very energetic 3 year old! Please extend a warm welcome to Dr. Nanxi Zha! We are excited to have had Nanxi return as a faculty member and staff radiologist!



#### Mostafa Alabousi MD, FRCPC - Juravinski Hospital

Yet another familiar face started in the department on July 1st, Dr. Mostafa Alabousi! We welcome back Dr. Alabousi after also graduating from our diagnostic imaging residency in June 2022! He recently completed his Women's Imaging Fellowship at the University Health Network, University of Toronto and has joined our faculty as a staff radiologist at the Juravinski Hospital, Hamilton Health Sciences site specializing in breast and body imaging. Dr. Alabousi loves spending his downtime with his 7 month old son! He has special interest in breast and abdominal imaging research, as well as the use of social media for research and education! Welcome to the faculty membership Dr. Alabousi!

#### Khunsa Faiz MBBS, FCPS - Hamilton General Hospital

On August 1st, we welcomed Dr. Khunsa Faiz! Another familiar face in our programs, Dr. Faiz completed her neuroradiology fellowship last year and has joined our faculty as a staff neuroradiologist practising at the Hamilton General Hospital, Hamilton Health Sciences site. We are excited to have Dr. Faiz return to help educate and mentor new neuroradiology residents and fellows! Having completed these programs recently herself, she is acutely aware of the high level training we provide and is a wonderful addition to our faculty members at the HGH site.





## ***Welcome New Faculty Members!***

### **The Department of Medical Imaging Welcomes 7 New Faculty Members!**



#### **Patrick Kennedy MD, FRCPC, DRCPC (Clin Ed) - St. Joseph's Healthcare Hamilton**

We would like to announce the last of the familiar faces returning to McMaster University in early September! The Department welcomes back Dr. Patrick Kennedy. Dr. Kennedy is thrilled to be returning to McMaster as a faculty member and staff radiologist at the St. Joseph's Healthcare Hamilton site. Dr. Kennedy graduated from the Diagnostic Radiology residency program in 2018 and was also the first graduate from the Clinician Educator program at McMaster. He went onto complete an Interventional Radiology fellowship at the University of British Columbia before joining the radiology practice at North York General Hospital in 2019. During his time at North York, he was the Clinical Director of Interventional Radiology, Medical Education Lead for the Department of Medical Imaging, and a faculty member at U of T. Outside of work, Dr. Kennedy enjoys golfing, gardening, and spending time with his family. Dr. Kennedy shares that he and his wife met at McMaster during medical school and they now have a 3 year old son! Please join us in providing Dr. Patrick Kennedy a warm welcome back as a new faculty and staff member!

#### **Danish Barakzai MBBS, FCPS, FRCR(UK) - McMaster Children's Hospital**

The department is excited to announce the upcoming start of the newest addition to our Pediatric Imaging faculty team at the McMaster Children's Hospital site, Dr. Danish Barakzai. Dr. Barakzai will be the second Pediatric Interventional Radiologist in our department, working alongside Dr. John Donnellan in this shared specialty. Dr. Barakzai has recently moved to Canada from Liverpool where he specialized in Pediatric IR at Alder Hey Children's Hospital Trust. He earned his MBBS from Liaquat University of Medical and Health Sciences; and completed his residency and adult IR fellowship at the Aga Khan University in Pakistan. Dr. Barakzai went on to complete two further fellowships; the first in Pediatric Radiology from the University of Ottawa and the second in Pediatric Interventional Radiology from the University of Toronto. In his spare time, Dr. Barakzai enjoys travelling with his family and tending to his eraser collection. He looks forward to reigniting his passion for water colour painting. Please join the department in providing a warm welcome to Dr. Danish Barakzai upon his start at McMaster Children's Hospital, Hamilton Health Sciences.



#### **Jane Topple MBBS, FRCR, MA Clin Ed, FRCPC - St. Joseph's Healthcare Hamilton**

In September we will welcome Dr. Jane Topple to our faculty complement! Dr. Topple comes to us from the United Kingdom however has ties to Canada, completing a second fellowship in diagnostic and interventional neuroradiology at Dalhousie University in Nova Scotia. Dr. Topple will be joining as a staff neuroradiologist specializing in head and neck imaging at the St. Joseph's Healthcare Hamilton site. She has special interests in simulation learning, head and neck ultrasound guided procedures and intra-oral ultrasound. She completed her medical school training at Guy's and St. Thomas' Schools of Medicine and Dentistry, completed her radiology residency at Barts Health Trust and completed a head and neck imaging fellowship at University College London Hospitals followed with her completion of the second fellowship at Dalhousie. Interesting fact about Dr. Topple is that prior to attending medical school she completed a bachelor of music in jazz performance degree at the University of Toronto, playing the tenor saxophone and the guitar! In her free time she enjoys renovating period properties, baking and hiking. Please provide Dr. Jane Topple a warm welcome upon her start in the Diagnostic Services department at the St. Joseph's Healthcare Hamilton site!



# For Your Information...



## MCMASTER UNIVERSITY UPDATES/NEWS

['It has become necessary to have conversations about AI's role within the academic setting'](#)

[Parking update at McMaster](#)

[Forbes ranks McMaster one of Canada's top employers for diversity](#)

[McMaster ranks among world's best in Shanghai Rankings](#)

[Top 10 new online resources from McMaster University Library](#)

[Inspiring the next generation of Indigenous scholars](#)

[The Flying Trapeze: Oppenheimer's McMaster triple-feature](#)

[Senate Bulletin – Summer 2023](#)

[New module fosters culture of consent](#)

[A sustainable new school year](#)

## FACULTY OF HEALTH SCIENCES

[Game Changer: Optimizing elite female athletes' health and wellness](#)

[Researchers find radiation not necessary for patients with low-risk breast cancer](#)

[Ruth Chen appointed Acting Associate Dean, Continuing Professional Development](#)

[Dina Brooks appointed Acting Executive Vice-Dean, Associate Vice-President, Academic](#)



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

# YOU DID IT!

CONGRATULATIONS!

A Big  
**THANK YOU!**

## THANK YOU to all involved with CIAMI! Centre for Integrated & Advanced Medical Imaging

On behalf of Dr. Julian Dobranowski, and the Department of Medical Imaging at McMaster University, we would like to thank the numerous staff, faculty, colleagues, and leadership across McMaster University, Mohawk College, Hamilton Health Sciences and St. Joseph's Healthcare Hamilton, that have dedicated time to the CIAMI endeavour, as initiatives such as these truly "take a village".



Breast  
Imaging  
Society  
INDIA

**SHOUT OUT to Dr. Ameya Kulkarni**, JH Staff Radiologist, as he was invited to present at the BISI Mentorship 2023 Lecture Series for the Breast Imaging Society of India! He presented at this event in early July on the topic of, "Ultrasound Correlation of Mammographic Abnormalities" along with other invited lecturers.

shout  
out

**Congratulations to Dr. Katherine Zukotynski**, as she has been announced with receiving the Radiological Society of North America's 2023 Honoured Educator Award!

*"This achievement recognizes your dedication to furthering the profession of radiology by delivering high-quality educational content for the RSNA. ...Based on the number of qualifying activities in a given calendar year, eligible RSNA members are presented with the Honored Educator award in recognition of their contributions."*



Please email me if you have a "Shout Out" to recognize amazing work! [howesjov@mcmaster.ca](mailto:howesjov@mcmaster.ca)



## Centre for Integrated and Advanced Medical Imaging (CIAMI)

Public Launch



**Sylvia Jones**

Deputy Premier and  
Ontario Minister of Health

The public launch of the Centre for Integrated and Advanced Medical Imaging (CIAMI) took place on Thursday, August 24th, in the IAHS building at the McMaster University campus. This new exciting initiative, the first of its kind in Canada, involves the collaboration of McMaster University, Mohawk College, Hamilton Health Sciences, and St. Joseph's Healthcare Hamilton, and spearheads the advancement of training and research in medical imaging.

A HUGE congratulations to Dr. Julian Dobranowski, for his tireless work, dedication and success in seeing the vision of CIAMI come to fruition. We thank so many other people within our department, McMaster, Mohawk, HHS and St. Joseph's for their hard work and collaboration in getting CIAMI off the ground and in producing a state-of-the-art facility for training and research in the medical imaging field.

Congratulations to all involved in this exciting new centre for our communities, institutions and hospitals.

<https://www.chch.com/mohawk-mcmaster-launch-new-advanced-medical-imaging-centre/>

<https://healthsci.mcmaster.ca/news-events/2023/08/24/hamilton-collaboration-transforms-the-future-of-medical-imaging>

<https://www.thespec.com/news/mohawk-college-and-mcmaster-university-collaborate-on-new-imaging-centre/article>

<https://www.inthehammer.com/new-medical-imaging-facility-strives-to-boost-access-to-healthcare-in-hamilton/>



**Dr. Julian Dobranowski**

Chair and Professor  
Department of Medical Imaging,  
Faculty of Health Sciences,  
McMaster University



Pictured above (left to right): **Wendy Lawson**, Dean of Health & Community Services, Mohawk College; **Dr. Paul O'Byrne**, Dean of the Faculty of Health Sciences, McMaster University; **Ron McKerlie**, President, Mohawk College; **Rob MacIsaac**, President & CEO, Hamilton Health Sciences; **Sylvia Jones**, Deputy Premier & Ontario Health Minister; **Donna Skelly**, MPP; **Dr. David Farrar**, President, McMaster University; **Dr. Julian Dobranowski**, Chair & Professor, Department of Medical Imaging, McMaster University; and **John Aldis**, Interim President, St. Joseph's Healthcare Hamilton.



Centre for Integrated and Advanced Medical Imaging



# Transforming the Delivery of Training, Research and Patient Care

## Who we are.

The Centre for Integrated and Advanced Medical Imaging (CIAMI) creates a collaborative cross-disciplinary ethos, fueling a culture shift in our approach to the delivery of research, training, and healthcare.

## What we do.

We provide educators, researchers and clinicians with access to state-of-the-art imaging technologies to foster new discoveries, promote hands-on learning and enable advancement in community patient care.

*"We have a backlog of patients waiting for MRI scans in our region, we are facing a health human resource crisis in Ontario, we have challenges in meeting the imaging needs of our hospital in-patients and our researchers need access to equipment that isn't competing with the clinical need. CIAMI provides an innovative solution to all of these issues. We are excited to validate this new model of care to enhance patient care across the province."*

**Dr. Julian Dobranowski,**  
Professor and Chair of the Department of Medical Imaging at McMaster and an Adjunct Professor at Mohawk College



## CREATE HEALTHY COMMUNITIES

Through our partnerships with Hamilton Health Sciences and St. Joseph's Healthcare Hamilton, we will provide greater access to care to meet the healthcare needs of the communities we serve now and in the future.



Centre for Integrated and Advanced Medical Imaging



## LEAD INNOVATIVE RESEARCH



Lead in research and innovation by providing access to state-of-the-art imaging technologies to foster new discoveries for the benefit of our community.



*"The creation of CIAMI provides a clear example of how Mohawk College and McMaster University work together with community partners to everyone's benefit. Together, we will conduct research to identify best practices, will offer students exceptional training, and will provide greater access to MRI services for patients. We are excited to move forward on this initiative with our valued partners."*

**Ron McKerie,**  
President & CEO, Mohawk College

## TRANSFORM LEARNING



Promote transformative approaches to learning, emphasizing the value of experiential, self-directed and interdisciplinary learning.

## CREATING A RADIOLOGY CURRICULUM FOR PHYSICIANS IN RURAL AFGHANISTAN

Dr. Ali Sabri, FRCPC  
David McEvoy

During this time of transition for the nation of Afghanistan and its people, a joint initiative between McMaster University and the Aga Khan Foundation strives to improve diagnostics and clinical outcomes in the country by delivering world-class radiology training to physicians from rural centres.

Hospitals in Bamyan and Faizabad are smaller centres in mountainous rural Afghanistan responsible for delivering care to more than 1.5 million Afghan citizens. Despite such a large area of catchment, these centres do not have dedicated radiologists. The responsibility of imaging interpretation instead falls on the shoulders of physicians from other services with little to no formal training in radiology. Having access only to X-ray and ultrasound, these centres are able to outsource but a small subset of their imaging interpretation to a larger centre in Kabul.

In collaboration with the Aga Khan Foundation represented by Dr. Karim Samji, the radiology department at McMaster University, led by Dr. Julian Dobranowski and Dr. Ali Sabri, has devised a practical curriculum intended to rapidly improve the diagnostic skills of these physicians in a short period of time.

The first phase of this project involved the creation of a pretest to determine which areas of knowledge required supplementation and refinement. The test was administered virtually with versions in both English and Farsi. Using the information obtained from the pretest, a series of lectures have been devised to cover a broad range systems and modalities. With a focus on direct application and practical skills, our curriculum seeks to provide these physicians with the tangible skills necessary to confidently interpret radiographs independently. An important distinction between our training program and traditional radiology training is a reduced focus on theory and a more direct focus on repeated exposure to common pathologies in order to establish a baseline Gestalt.

The first session was delivered virtually on July 19th, 2023 focusing on chest X-ray. The lecture was given in English with Farsi subtitles and a Farsi interpreter was present to facilitate a concluding Q&A. Sessions will continue weekly into September 2023 with topics to include abdomen, musculoskeletal and spine, pediatrics, mammography, and a concluding integration session to tie concepts together. Each lecture is prepared and delivered by a fellowship trained radiologist from McMaster.

Throughout this process and beyond, a secure group chat between physicians from McMaster and Afghan physicians at these centres will allow for the consultation of complex cases and a more direct exchange of information. It is our hope that this initiative extends far beyond a limited series of lectures and becomes a lasting collegial relationship resulting in the enrichment and education of all involved.

Through this collaboration we hope to make a tangible difference in this developing nation's health care system. Improved diagnostics will lead to improved clinical outcomes which ultimately leads to a better quality of life for the people of Afghanistan.

Thank you to the following faculty members for their participation in these lectures; Dr. Amna Al-Arnawoot, Dr. Kate Hames, Dr. Stefanie Lee, Dr. Kiat Tan, Dr. Umair Mahmood, Dr. Ali Yikilmaz, and Dr. Arvin Hariri.

### MCMASTER RADIOLOGY AFGHANISTAN OUTREACH INITIATIVE

Lecture series by Fellowship trained Radiologists from one of Canada's leading medical institutions focusing on practical application of radiographic knowledge to improve clinical outcomes

# MCMASTER RADIOLOGY AFGHANISTAN OUTREACH INITIATIVE

Lecture series by Fellowship trained Radiologists from one of Canada's leading medical institutions focusing on practical application of radiographic knowledge to improve clinical outcomes



## FOCUS

Lectures will cover relevant anatomy and high-yield pathology, allowing physicians to take away practical skills leading to more accurate diagnoses.

## CONTENT

The series will consist of several one-hour sessions focusing exclusively on plain films. Lectures will explore chest, abdomen, spine / MSK, trauma, and a final integration session to summarize and consolidate learning.

## DELIVERY

Lectures will be delivered virtually on Zoom in English with Farsi subtitles. Interactive Q & A sessions will follow each presentation with a Farsi interpreter present.



## PRESENTERS AND PARTNERS

Lectures will be delivered to non-radiologist physicians at Bamyan and Faizabad Provincial Hospitals in Afghanistan. These physicians are responsible for primary reads of the majority of imaging at these centres and have had only minimal formal training in diagnostic radiology.

Presenters to include fellowship trained radiologists from McMaster University. Please contact Dr. Ali Sabri if you would like to join our dedicated team: [sabri.ali@gmail.com](mailto:sabri.ali@gmail.com)

## IMPACT AND OUTCOME

01

By providing a practical approach to common pathologies, we hope to improve diagnostics at these centres and subsequently clinical outcomes

02

By giving physicians additional resources and training materials, they may expand on the knowledge acquired through these sessions and continue to refine their practice

03

By embarking on this collaboration, we hope to strengthen the connection between physicians of our two nations and nurture a growing community of globally-minded doctors.

[radiology.mcmaster.ca](http://radiology.mcmaster.ca)

[agakhanhospitals.org](http://agakhanhospitals.org)

## Recent Publications



Dr. Eman Marie  
Assistant Professor &  
Staff Pediatric Radiologist  
McMaster University  
McMaster Children's Hospital

Properties of ultrasound-rapid MRI diagnostic pathway in suspected pediatric appendicitis.

Suzanne Schuh MD(C) <sup>a c</sup>, Carina Man <sup>b</sup>, **Eman Marie M.B. Ch.B., M.Sc.** <sup>b</sup>, Ghufuran Hassan A. Alhashmi MD <sup>d</sup>, Dan Halevy MD(C) <sup>b</sup>, Paul W. Wales MD (C) <sup>e</sup>, Dana Singer-Harel MD(C) <sup>a</sup>, Aya Finkelstein <sup>c</sup>, Judith Sweeney BScN <sup>c</sup>, Andrea S. Doria MD(C) PhD <sup>b c</sup>

**ScienceDirect - The American Journal of Emergency Medicine, Volume 71, Sept 2023, pages 217-224**

<https://doi.org/10.1016/j.ajem.2023.06.026>

Congratulations to Dr. Marie as her publication on the imaging spectrum of non-Hodgkin Lymphoma from June 2022 was recently recognized and featured in the RSNA News in June 2023!  
See links to RSNA news article and original publication below.

Understanding the Imaging Spectrum of non-Hodgkin Lymphoma in Children, Adolescents and Young Adults

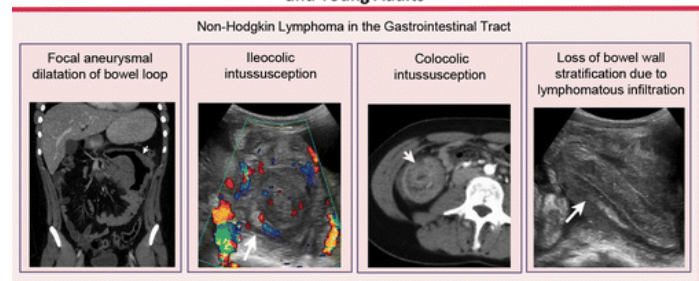
**Eman Marie**, María Navallas, Douglas S. Katz, Elnaz Farajirad, Angela Punnett, Sunit Davda, Amer Shammass, Kamaldine Oudjhane, Reza Vali

**Published Online: RadioGraphics, Vol. 42, No. 4, Jun 17 2022**

<https://doi.org/10.1148/rg.210162>

<https://www.rsna.org/news/2023/june/pediatric-non-hodgkin-lymphoma-imaging>

Non-Hodgkin Lymphoma Imaging Spectrum in Children, Adolescents, and Young Adults



Marie E et al. Published online: June 17, 2022  
<https://doi.org/10.1148/rg.210162>

RadioGraphics

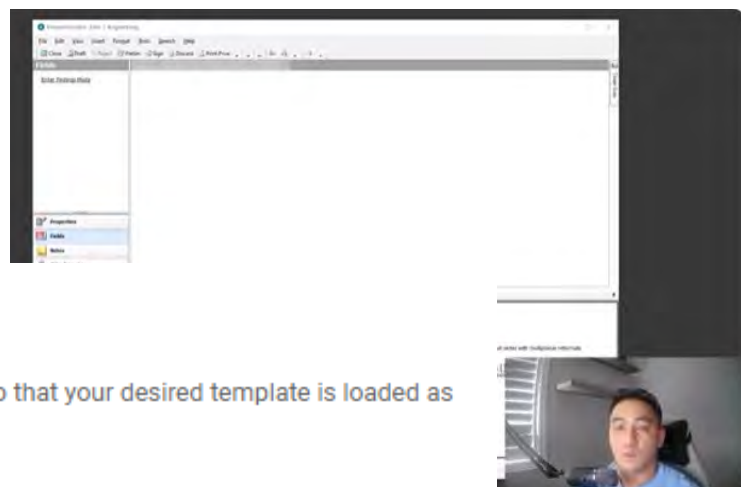
**Dr. Euan Zhang**, provides **tutorial on a powerscribe feature** that radiologists may find helpful. Will save seconds per case however the seconds add up! See the shortcut on how to auto-load report templates!

Link to video tutorial: <https://youtu.be/cTpTSF09428>

**Autoload templates in Powerscribe**

38 views • 4 weeks ago

Short tutorial on how to assign your templates to specific studies so that your desired template is loaded as soon as you open these studies.







*Welcome Max Linden Stevenson!*

CONGRATULATIONS to **Dr. Nicole Li, PGY-5 Resident**, and her partner, Warren Stevenson, on the birth of their first child, Max Linden Stevenson!

Max arrived a little early on July 7th, 2023, weighing 6lbs 2oz!

Mom and baby are doing great and settling into their new family routines!

Congratulations once again on your little bundle of joy!



CONGRATULATIONS & HAPPY RETIREMENT

*Terri Millsip*

Administrative Assistant EXTRAORDINAIRE!

We wish to congratulate Terri Millsip on her retirement from her long-standing career at St. Joseph's Healthcare Hamilton where she has been an administrative fixture for the past 38 years! We hope you get to enjoy all that life has to offer!

Congratulations and Best Wishes Terri on your retirement, you deserve it!

**FACULTY MEMBERS...**

In regard to your annual **educational contributions**, the 'Research Advisor' role with medical students, residents or fellows can provide you with the following hours:

- ⇒ Case Reports - 10 hours
- ⇒ Posters/Exhibit/Reviews - 40 hours
- ⇒ Original Research - 40 hours

This is a great way to add to your educational contributions each year and at the same time provide research mentorship to our undergraduate and postgraduate learners!!



**JH DI Film Library Staff, ANTONETTE BOFFA, at the Women's World Cup!**

Antonette Boffa, on the left, and her two friends made the trek all the way to Australia this summer for the FIFA Women's 2023 World Cup soccer tournament! Here they are making their way to the Canada versus Australia game!

Thanks so much Antonette for sharing! Hope you had a great time despite our team's loss!

*I hope everyone had a great summer, enjoying wonderful vacations & time to relax! We are now back into the full swing of things in the **Department of Medical Imaging!** Reminder for our faculty members and related admins, please change signature lines and any logos that need to be updated. Welcome to a new academic year!*

*Kindly, Tori*

**SUBMISSIONS DUE for OCTOBER NEWSLETTER:**  
**Monday, September 24th**

**DO YOU HAVE A FEATURE, NEW PUBLICATION, OR SHOUT OUT TO SHARE?**  
**Email: [howesjov@mcmaster.ca](mailto:howesjov@mcmaster.ca)**