

# 7<sup>th</sup>

# Medical Imaging Alumni & Education Day

## Li Ka Shing Knowledge Institute

## February 4<sup>th</sup> 2017



Medical Imaging  
UNIVERSITY OF TORONTO

# 7<sup>th</sup>

# Medical Imaging Alumni & Education Day

## **COURSE OVERVIEW**

This one-day course for alumni of the Department of Medical Imaging, University of Toronto, community radiologists and trainees focuses on topics of interest to all general radiologists, but will be relevant to all alumni.

Feedback from the Alumni and Education Day 2016 was used to plan the program topics. As well, the keynote address “Interventional Neuroradiology: Its evolution as a sub-specialty in Toronto and around the world” by Dr. Karel terBrugge is of general interest as he shares with us the vision, opportunities and challenges involved in building a global program. Other presentations focus on current “hot topics” including MRI of the breast, MRI of the prostate, imaging in the acute triage of stroke and CT of the small bowel. The day will end with an educational, interactive and fun game of Radiology Jeopardy developed and presented by current residents in our radiology residency program.

There are opportunities for questions and discussions. Over coffee and lunch attendees can re-establish links to the support and expertise of the Department, rekindle old friendships and meet new/future colleagues.

## **COURSE OBJECTIVES**

At the end of this program, participants should be able to:

- Apply knowledge learned in these sessions to improve patient care.
- Demonstrate the current role of MRI in breast imaging.
- Illustrate the current role of MRI in prostate imaging.
- Explain the evolution of interventional neuroradiology as a sub-specialty in Toronto and around the world.
- Debate the use of imaging in the acute triage of stroke.
- Describe the current role of CT in small bowel imaging.
- Recall the typical imaging appearance (Aunt Minnie) of common and less common conditions.

## TARGET AUDIENCE

Attendance is offered to all alumni of the Department of Medical Imaging, University of Toronto, with particular desire to reach community alumni to re-connect them to their faculty and University Department. Retired alumni, non-alumni community radiologists and current trainees are also invited.

## REGISTRATION

To register online and pay by VISA or MasterCard, please visit: [http://my.alumni.utoronto.ca/medimg\\_alumniday17](http://my.alumni.utoronto.ca/medimg_alumniday17)

## Fees

	by Jan 9 2017	Jan 9-27 2017
<b>Alumni Physician</b>	\$110	\$135
<b>Non-Alumni Physician</b>	\$135	\$160
<b>UofT Residents/Fellows</b>	\$25 Security Deposit	\$25 Security Deposit
<b>Retired Alumni</b>	No Charge	No Charge

Registration deadline is Friday, January 27, 2017. The Department of Medical Imaging Alumni are current and former faculty, and graduate trainees of University of Toronto Medical Imaging. We will not be able to accommodate on-site registration. Enrolment will be confirmed on the basis of receipt of payment. Receipts for payment are issued by e-mail only. Trainees and Retired Alumni: please contact Gary Cronin to register at 416-978-9744 or [alumni.medicalimaging@utoronto.ca](mailto:alumni.medicalimaging@utoronto.ca)

## CANCELLATION POLICY

Requests for cancellation must be made in writing.

We must receive all cancellation requests before January 27, 2017 in order to receive a refund of the registration fee; thereafter, refunds will not be issued. Registrations are not transferable.

## DISCLOSURE

No members of the planning committee or faculty members have any conflict of interest to disclose.

## SPEAKERS

### MIA SKARPATHIOTAKIS

Assistant Professor  
Staff Radiologist  
Sunnybrook Health  
Sciences Centre

### SANGEET GHAI

Assistant Professor  
Staff Radiologist  
JDMI

### KAREL TERBRUGGE

Professor  
Staff Radiologist  
JDMI

### ADITYA BHARATHA

Assistant Professor  
Staff Radiologist  
St. Michael's Hospital

### LUIS GUIMARAES

Assistant Professor  
Staff Radiologist  
JDMI

### ALICIA CHEONG

Resident  
Medical Imaging  
University of Toronto

### HUSSEIN JAFFER

Resident  
Medical Imaging  
University of Toronto

## CME Credits

Royal College of Physicians and Surgeons of Canada – Section 1:

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, approved by Continuing Professional Development, Faculty of Medicine, University of Toronto up to a maximum of (5.5 hours)

## AGENDA

<b>8:00</b>	<b>Registration</b>	
<b>8:25</b>	Opening Remarks	
<b>8:30</b>	<i>Current Role of MRI in Breast Imaging</i>	<b>Dr. Mia Skarpathiotakis</b>
<b>9:00</b>	Questions and Discussion	
<b>9:15</b>	<i>Current Role of MRI in Prostate Imaging</i>	<b>Dr. Sangeet Ghai</b>
<b>9:45</b>	Questions and Discussion	
<b>10:00</b>	<b>Refreshment Break</b>	
<b>10:15</b>	Keynote Address: <i>Interventional Neuroradiology: Its Evolution as a Sub-Specialty in Toronto and Around the World</i>	<b>Dr. Karel terBrugge</b>
<b>11:00</b>	Questions and Discussion	
<b>11:15</b>	<i>Imaging in the Acute Triage of Stroke: CT, Perfusion CT, CTA and MRI</i>	<b>Dr. Aditya Bharatha</b>
<b>11:45</b>	Questions and Discussion	
<b>12:00</b>	<b>Lunch With The Presenters</b>	
<b>13:15</b>	<i>Current Role of CT in Small Bowel Imaging</i>	<b>Dr. Luis Guimaraes</b>
<b>13:45</b>	Questions and Discussion	
<b>14:00</b>	<i>Radiology Jeopardy</i>	<b>Dr. Alicia Cheong, Dr Hussein Jaffer</b>
<b>15:00</b>	Questions and Discussion	
<b>15:15</b>	Adjournment and Evaluation	

## SESSION LEARNING OBJECTIVES

### **Current Role of MRI in Breast Imaging (Dr. Mia Skarpathiotakis)**

*Goal: Outline the current role of MRI in the detection of breast cancer*

*At the end of this session including discussion time, the participant will be able to:*

1. Define the clinical indications for breast MRI.
2. Describe the MRI technique for optimal detection and characterization of breast lesions.
3. Identify the imaging features of breast cancer.
4. Recognize pitfalls and limitations of breast MRI.

### **Current Role of MRI in Prostate Imaging (Dr. Sangeet Ghai)**

*Goal: Outline the current role of multiparametric MRI in prostate cancer detection.*

*At the end of this session including discussion time, the participant will be able to:*

1. Describe the different sequences that constitute multi parametric MRI and identify role of each sequence in detecting disease.
2. Identify the imaging features of prostate cancer on MRI.
3. Discuss role of prostate MRI in the diagnostic pathway of prostate cancer.

### **Keynote Address: Interventional Neuroradiology: Its evolution as a Sub-Specialty in Toronto and Around the World (Dr. Karel terBrugge)**

*Goal: Outline the history of the development of interventional neuroradiology as sub-specialty in Toronto and around the world.*

*At the end of this session including discussion time, the participant will be able to:*

1. Describe the roots of interventional neuroradiology before it became a sub-specialty.
2. Discuss the evolution of interventional neuroradiology over the past decade in Canada and around the world.
3. Express the outside pressure by competing clinical specialties during the maturation of interventional neuroradiology as a sub-specialty.

### **Imaging in the Acute Triage of Stroke: CT, Perfusion CT, CTA and MRI (Dr. Aditya Bharatha)**

*Goals: Outline an approach to imaging in the acute triage of stroke.*

*At the end of this session including discussion time, the participant will be able to:*

1. Describe the role of CT and MRI Techniques for detection and diagnosis of acute stroke and its causes
2. Identify how imaging is used to guide the management of stroke
3. Recognize pitfalls and limitations of these techniques

## Current Role of CT in Small Bowel Imaging (Dr. Luis Guimaraes)

*Goals: To discuss the current indications for CT in small bowel diseases and highlight the dramatic recent technological advances in CT and its applications for small bowel imaging.*

*At the end of this session including discussion time, the participant will be able to:*

1. Define the current indication for CT in the setting of known or suspected small bowel diseases.
2. Describe the CT technique for optimal detection of small bowel diseases
3. Relate the application of new CT technologies like iterative reconstruction and dual energy for small bowel imaging

## Radiology Jeopardy (Drs. Alicia Cheong & Hussein Jaffer)

*Goals: Provide an informal, dynamic and engaging environment for participants to get involved in a friendly and informative competition around various imaging diagnoses.*

*At the end of this session including discussion time, the participant will be able to:*

1. Identify an array of imaging-related diagnoses based on "Aunt Minnie" style imaging presentations. (CanMEDS Role: Medical Expert)
2. Describe the major imaging features that distinguish certain "Aunt Minnie" classical presentation type cases from other diagnoses in discussion and collaboration with other participants. (CanMEDS Roles: Medical Expert, Communicator & Collaborator)
3. Describe the session as FUN!

## MAP TO LI KA SHING KNOWLEDGE INSTITUTE

