6th Annual St. Michael’s MRI Symposium

In collaboration with the Canadian Association of Radiologists

Saturday September 14th, 2019
11 am to 4 pm

Li Ka Shing Knowledge Institute
209 Victoria Street, Toronto

www.stmichaelshospital.com/mri-symposium/
Welcome
Welcome to the 6th annual St. Michael’s MRI Symposium!

Again this year, this CME event focuses on important current topics in Body (abdominal and pelvic) MRI targets practicing radiologists, technologists and trainees, including residents and fellows.

The perceived learning needs used to plan this event have been identified via requests from radiology residents, radiology fellows, radiologists and technologists from the University of Toronto, St. Michael’s Hospital, and across the province of Ontario with whom the members of the planning committee have contact, including members of the audiences who participated in the first five St. Michael’s MRI symposia.

This year’s symposium features faculty radiologists from across Canada, with a theme of providing new updates and expert tips in important areas of Body MRI. This year’s symposium is being held in partnership with the Canadian Association of Radiologists, and will again be delivered both live in Toronto and webcast across the country.

At the end of this event, participants will be able to:

1. Apply current Canadian guidelines and important considerations in gadolinium-based contrast agent safety, including nephrogenic systemic fibrosis and tissue deposition.

2. Describe and apply brand new technical, terminology and reporting standards released in the past year for both: a) MR enterography and b) prostate MRI.

3. Explain the importance of modern quantitative liver MRI techniques for diffuse liver disease encompassing liver fat, iron and fibrosis and their impact on clinical management.

4. Identify clinically relevant and modern techniques and applications of MR angiography as they apply to abdominal and pelvis imaging.

Thank you for joining us in Toronto.

Anish Kirpalani, MD, FRCPC, FSAR
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Speakers

Dr. Anish Kirpalani (Host),
St. Michael’s Hospital, University of Toronto

Dr. Anish Kirpalani is a staff radiologist, Head of the Abdominal Imaging division and Co-Director of MRI at St. Michael’s Hospital in Toronto. He is an Associate Scientist at the Li Ka Shing Knowledge Institute of St. Michael’s Hospital and is an Assistant Professor in the Department of Medical Imaging at the University of Toronto. He is the author of over 40 peer-reviewed journal articles and has given over 40 invited lectures nationally and internationally, predominantly in the fields of abdominal and cardiovascular MRI. He has received multiple teaching awards from the University of Toronto radiology residency and fellowship programs, and has hosted this annual accredited MRI symposium for radiologists for the past 5 years. He holds undergraduate and Master’s degrees in Engineering Science and Biomedical Engineering, respectively, from the University of Toronto. He completed medical school at McMaster University, residency in radiology at the University of Toronto and fellowship in Body MRI at Northwestern University in Chicago.
Dr. Kartik Jhaveri, JDMI, University of Toronto

Dr. Kartik S. Jhaveri is Professor and Faculty Of Medicine at the University Of Toronto. He is the Director of Abdominal MRI in the Joint Department of Medical Imaging of the University Health Network, Mount Sinai Hospital and Women's College Hospitals. He is also the Director of Continuing Education for the Dept. of Medical Imaging of the University of Toronto and has received multiple teaching awards by the University of Toronto residency and fellowship programs. He has lectured internationally including at the Radiological Society of North America and International Society of Magnetic Resonance in Medicine. He also leads multiple grant funded research initiatives in body MRI. His areas of clinical and research expertise are focused on hepatobiliary diseases, renal and rectal cancer. He has authored more than 100 peer reviewed publications, book chapters, clinics and scientific presentations. He serves on International and North American radiology organization committees such as RSNA, ISMRM, Society of Abdominal Radiology, and Society of Computed Body CT-MR. He has also served on research committees of the Society of Abdominal Radiology and SCBT-MR.
Dr. Silvia Chang, Vancouver General Hospital, University of British Columbia

Dr. Chang is a Radiologist at Vancouver General Hospital and Associate Professor of Radiology at the University of British Columbia. Dr. Chang completed her Medical Degree and her Diagnostic Radiology Residency at the University of British Columbia. She then completed an Abdominal Imaging Fellowship at the University of California, San Francisco. Following her fellowship, she returned to Vancouver to become a staff radiologist at VGH and established the Abdominal MRI program at VGH, which she is the Head. Her area of interest and expertise is abdominal imaging, particularly liver MRI and prostate MRI with multiple publications and invited presentations at local, national and international meetings in these areas. She helped establish and runs the Prostate MRI-US Fusion Program at VGH; and initiated and co-chairs the MRI Prostate Tumour Conference. She also has an interest in medical education having served as the UBC Radiology Residency Program Director and is currently the Abdominal Imaging Fellowship Director and an Examiner for the Royal College and Physicians and Surgeons of Canada. She is a reviewer for several journals including Radiology and Canadian Association Radiologists Journal and has served on several RSNA committees, including Chair of the GU section of the Educational Exhibits Committee. She became a Fellow of the Society of Abdominal Radiology in March 2013 and is a member of the Prostate Cancer Disease Focus Panel of the Society of Abdominal Radiology, in which she is the Co-Chair of the Education Subcommittee.
Dr. Andreu Costa, QEII Health Sciences Centre, Dalhousie University

Dr. Andreu Costa is an academic abdominal radiologist at the Queen Elizabeth II Health Sciences Centre in Halifax, Nova Scotia, and associate professor with Dalhousie University. He has a keen interest in abdominal imaging research, particularly in imaging of hepatopancreatobiliary disease and in improving image quality and patient care. He is a committed teacher to radiology residents, fellows and medical students, and has been recognized with departmental teaching awards. As head of the QEII abdominal imaging division, he is actively engaged in several administrative endeavours and committees at the local, provincial and national level.

Dr. Vamshi Kotha, Foothills Medical Centre, University of Calgary

Dr. Kotha is an Assistant Professor in the division of Cardiovascular Imaging and Interventional Radiology at the University of Calgary. Having completed fellowships in Cardiovascular Imaging at the St. Michael’s Hospital, University of Toronto and Body Interventional Radiology at the Foothills Medical Centre, University of Calgary, he has developed a special interest in vascular imaging and interventions with a focus on periprocedural imaging utilizing MR and CT angiography, especially for aortic and large vessel diseases. His research interests include advanced imaging techniques and use of automation and machine learning in angiographic imaging.
**Individual Talks Learning Objectives:**

**Advances and Updates in MR enterography for Crohn’s Disease, Dr. Anish Kirpalani**

**Objectives:**
At the end of this presentation, participants will be able to:
1. Describe important aspects and advances in MR enterography technique.
2. Implement new and important standardized terminology and lexicon in MR enterography reporting.
3. Apply standardized reporting templates and quantitative scoring systems for MR enterography reporting.

**Quantitative MRI Biomarkers of Diffuse Liver Disease, Dr. Kartik Jhaveri**

**Objectives:**
At the end of this presentation, participants will be able to:
1. Describe quantitative MRI biomarkers in evaluation of diffuse Liver disease.
2. Discuss and apply MRI techniques for Liver iron and fat quantification.
3. Explain principles, technique and clinical applications of MR elastography.

**PI-RADS v2.1 for Prostate MRI: An Update, Dr. Silvia Chang**

**Objectives:**
At the end of this presentation, participants will be able to:
1. Perform Prostate MRI in accordance to the technical specifications of PI-RADS v2.1.
2. Interpret Prostate MRI in accordance to PI-RADS v2.1.
3. Recognize some of the mimics and pitfalls of prostate cancer.

**Gadolinium-based contrast agents: Update 2019, Dr. Andreu Costa**

**Objectives:**
At the end of this presentation, participants will be able to:
1. Apply updated Canadian guidelines regarding the use of gadolinium-based contrast agents and nephrogenic systemic fibrosis.
2. Describe and apply guidelines and practice implications regarding gadolinium deposition in the brain.
3. Recognize and explain additional practical considerations in administering gadolinium-based contrast agents.

**MRA toolkit for the General Radiologist - Tips and Tricks, Dr. Vamshi Kotha**

**Objectives:**
At the end of this presentation, participants will be able to:
1. Identify and explain various MR angiography techniques and their clinical application.
2. Apply various image optimization techniques and improve yield.
3. Recognize common imaging appearances in pre-procedural MRA studies.
To register

www.stmichaelshospital.com/mri-symposium/
Please visit the symposium website for the registration portal.

Accreditation
Accreditation for CME credits from the RCPSC is pending.

Attendance and participation
Please note that there is no registration fee associated with this event. We encourage participants from the Greater Toronto Area to attend in person, however, this event will also be webcast live across Canada. Login details for the webcast will be provided to participants following their registration.

Certificate of Attendance
Following the event, certificates of attendance will be available for all participating delegates attending the symposium. Participants can document their learning in the Royal College's MAINPORT at https://login.royalcollege.ca/oamlogin/login.jsp

Planning Committee and Faculty Disclosures
Dr. Anish Kirpalani has received speaking honoraria funded by industry. Dr. Silvia Chang has received speaking honoraria funded by industry. Dr. Kartik Jhaveri has received grants funded by industry.

Session Evaluation
We value your feedback! By completing evaluations for the overall and individual sessions, you will have a direct impact on the quality of programming and ensure that this symposium continues to meet the educational needs of the radiology community. Session evaluations will be available in person to all live attendees and can be accessed by registered online delegates during the webcast.

This event is made possible by an unrestricted educational grant, provided by BRACCO IMAGING Canada.
Thank you!

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