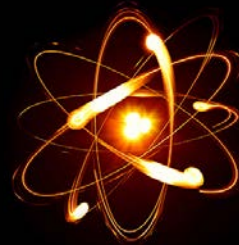


MR Physics

Symposium

Friday, June 16th

2017



This one day course, sponsored by the University of Toronto Diagnostic Neuroradiology Fellowship Program (*program director Dr. Pejman Maralani*), will provide an overview of the basic principles of MRI physics, with a focus on the application of these principles to the practice of clinical neuroradiology.

SPEAKERS

Jean Chen, PhD MSc
Assistant professor, Medical Biophysics

John Conklin, MD MSc
Radiology resident, Medical Imaging

Chris Heyn, MD PhD FRCPC
Assistant Professor, Medical Imaging

Walter Kucharczyk, MD FRCPC
Professor, Medical Imaging

Marie-Constance Lacasse, MD FRCPC
Neuroradiology Fellow, Medical Imaging

David Mikulis, MD FRCR
Professor, Medical Imaging

Marshall Sussman, PhD
Assistant Professor, Medical Imaging Research

Logi Vidarsson, PhD
Medical Physicist

Course Highlights

- Review the basic principles and fundamentals of MR physics
- Gain further knowledge of more advanced imaging techniques such as MR spectroscopy and diffusion
- Understand common MR artifacts and their causes, and develop strategies to mitigate these artifacts

Target Audience

Clinicians and scientists at various career stages, including residents, fellows and staff from the radiology, physics and engineering departments who want to review the various intricacies of MR physics in neuroradiology.

Faculty

Lecturers include distinguished University of Toronto neuroradiologists and trainees as well as physicists with expertise in the various aspects of MR physics and its clinical application to neuroradiology.

Location

The Hospital for Sick Children

555 University Avenue, Toronto
IGT Multimedia Room, Room 2810J, 2nd Floor

Organizing committee:

Amy Lin, MD FRCPC
Neuroradiology
St-Michael's Hospital

Chris Heyn, MD PhD FRCPC
Neuroradiology
Sunnybrook Hospital

Marie-Constance Lacasse, MD FRCPC
Neuroradiology Fellow
University of Toronto

PROGRAM

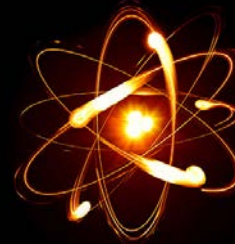
Friday June 16th, 2017

MORNING SESSION – BASIC MR PHYSICS

- 9:15 – 9:30 Registration
- 9:30 – 10:30 K space and image reconstruction – *Walter Kucharczyk*
- 10:30 – 11:15 MR pulse sequences – *Marshall Sussman*
- 11:15 – 12:15 MR artifacts – *John Conklin*
- 12:15 – 1:15 Lunch (*on your own*)

AFTERNOON SESSION – CLINICAL APPLICATIONS

- 1:15 – 2:00 Pearls for clinical practice with case examples – *Chris Heyn*
- 2:00 – 2:45 Spectroscopy in the clinic – *Logi Vidarsson*
- 2:45 – 3:30 SWI – *Jean Chen*
- 3:30 – 3:45 Coffee break
- 3:45 – 4:30 Diffusion – *David Mikulis*
- 4:30 – 4:55 MR physics jeopardy – *Marie-Constance Lacasse*



REGISTRATION FORM

Name: _____

Address: _____

Email: _____

Registration Fee

University of Toronto:

- Staff Physicians: Free
- Medical Students/Residents/Fellows/Graduate students: Free
- Technologist/Physicians: Free

Non University of Toronto participants: \$100

Registration Deadline: June 9, 2017.

Please send a cheque or money order payable to:
"Department of Medical Imaging, University of Toronto"

Department of Medical Imaging, University of Toronto
263 McCaul Street, 4th Floor, Toronto, ON M5T 1W7

Phone: (416) 978-0514

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