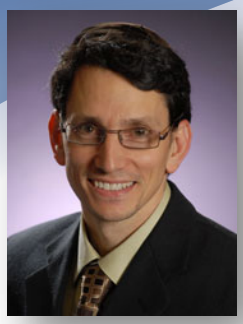
Department of Imaging Sciences
Guest Lecturer



Richard Aviv, MBChB, MRCP, FRCR

Associate Professor, Neuroradiology,
Department of Medical Imaging, University of Toronto
and Affiliate Scientist, Physical Sciences,
Brain Sciences Research Program,
Sunnybrook Health Sciences Centre, Toronto, ON, Canada

will present

"Imaging Physiology for Patient Selection and Outcome Determination in Acute Ischemic Stroke"

Tuesday, December 4, 2012

11:45 am to 1:15 pm

Imaging Sciences Conference Room (G-3302)

Dr. Aviv's principal areas of research are stroke and advanced computed tomography (CT) imaging. He is also involved in the following research activities:

- prospective study of prediction of hemorrhagic transformation using CT permeability
- study of image reconstruction algorithms for CT dose reduction
- computational models of CT perfusion thresholds for predicting tissue fate
- study exploring vascular etiology in multiple sclerosis using magnetic resonance (MR) perfusion markers of disease severity as surrogate markers of disease burden and correlation with cognitive impairment
- CT angiography "spot sign," predicting primary hematoma expansion
- STOP-IT Study (SpoT sign fOr Predicting and treating ICH growTh), investigating the effect of recombinant factor 7 on hematoma
- study of spot sign in ICH (SPOTLIGHT; co-PI, steering committee member and study radiologist)
- collaborative projects studying prediction of metastasis response to stereotactic radiotherapy using MRI dynamic susceptibility contrast and permeability imaging.

University of Rochester Medical Center
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