Annual Physics Symposium

<Friday Dec. 10, 2021>

Course highlights
This one-day course sponsored by the University of Toronto Diagnostic Fellowship program will introduce the principles of MRI Physics and image formation. The course will also focus on clinical application and MRI safety.

Target Audience
Radiology residents, fellows, Radiologists, and MRI technologists with an interest in Neuroradiology.

Organizing Committee

Heejun (Tony) Kang, MD, FRCPC
Second year Diagnostic Neuroradiology Fellow
University of Toronto

Laila Alshafai, MBBS, FRCPC (dNR), dABR (dNR)
Diagnostic Neuroradiologist and Head and Neck Imaging
Assistant Professor, University of Toronto
Joint Department of Medical Imaging,
Mount Sinai Hospital & University Health Network, Toronto

Matylda Machnowska, BMedSc, MD, FRCPC, ABR
Neuroradiology Fellowship Program Director
Diagnostic Neuroradiologist,
Assistant Professor, University of Toronto,
Sunnybrook Health Sciences Centre

Registration
Free. No CME credits.
Virtual meeting via Zoom. Please contact: Jennifer.Morris@utoronto.ca
Faculty

**Walter Kucharczyk**, MD, FRCPC  
Professor of Radiology, University of Toronto,  
Joint Department of Medical Imaging,  
University Health Network, Toronto.

**Chris Heyn**, BSc, PhD, MD, FRCPC  
Diagnostic Neuroradiologist,  
Assistant Professor, University of Toronto,  
Sunnybrook Health Sciences Centre.

**Govind Chavhan**, MD, DNB, DABR  
Staff Pediatric Radiologist, The Hospital for Sick Children,  
Associate Professor, University of Toronto.

**Jason Fisico**, M. MedRadSc(MRI), MRT(N)(MR)  
MRI Supervisor,  
Medical Imaging Research Co-Lead,  
Joint Department of Medical Imaging,  
Mount Sinai Hospital, Toronto.

**Paula Alcaide Leon**, MD  
Assistant professor, University of Toronto,  
Joint Department of Medical Imaging,  
University Health Network, Toronto.

**Agenda**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>9:30 – 10:15</td>
<td>Spin Gymnastic Part 1: An Introduction to MRI</td>
<td><strong>Dr. Walter Kucharczyk</strong></td>
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<td>10:15 – 10:30</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 – 11:30</td>
<td>Spin Gymnastic Part 2: An Introduction to MRI</td>
<td><strong>Dr. Walter Kucharczyk</strong></td>
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<td>11:30 – 12:30</td>
<td>When to Use What Sequences</td>
<td><strong>Dr. Govind Chavhan</strong></td>
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<td>12:30 – 1:30</td>
<td>Lunch (not provided)</td>
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<td>1:30 – 2:00</td>
<td>Basics of MR Perfusion</td>
<td><strong>Dr. Paula Alcaide Leon</strong></td>
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<td>2:00 – 3:00</td>
<td>MRI Physics for Neuroradiologists: Pearls for Clinical Practice</td>
<td><strong>Dr. Chris Heyn</strong></td>
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<td>3:00 – 3:30</td>
<td>Coffee Break</td>
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<td>3:30 – 4:30</td>
<td>MRI Artifacts</td>
<td><strong>Jason Fisico</strong></td>
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