Annual Physics Symposium

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.

**Friday Dec 2, 2022**

Virtual

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

Free Registration

For more information please contact: Jennifer.Morris@utoronto.ca

**Organizing Committee**

Laila Alshafai, MBBS, FRCP, 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

Afra Alfalahi, MD  
Second year Diagnostic Neuroradiology Fellow, University of Toronto

Supported by:

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

**Scientific Faculty**

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

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

Chris Heyn, BSc, PhD, MD, FRCP  
Assistant Professor, University of Toronto, Sunnybrook Health Sciences Centre.

Suradech Suthiphosuwan, MD, FRCR  
Assistant Professor, University of Toronto, St. Michael’s Hospital/Unity Health

Pradeep Krishnan, MD  
Assistant Professor, University of Toronto, The Hospital for Sick Children

Andrea Para,  
Assistant professor, University of Toronto, Joint Department of Medical Imaging, University Health Network, Toronto.

**Course Agenda**

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Spin Gymnastic Part 1: An Introduction to MRI Dr. Walter Kucharczyk</td>
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<tr>
<td>10:10</td>
<td>Coffee Break</td>
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<tr>
<td>10:10</td>
<td>Spin Gymnastic Part 2: An Introduction to MRI Dr. Walter Kucharczyk</td>
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<td>10:50</td>
<td>Coffee Break</td>
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<td>11:45</td>
<td>Basics of MR Perfusion Dr. Paula Alcaide Leon</td>
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<td>12:15</td>
<td>Lunch Break</td>
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<td>13:15</td>
<td>MR Physics for Neuroradiologists: Pearls for clinical Practice Dr. Chris Heyn</td>
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<td>14:30</td>
<td>Coffee Break</td>
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<tr>
<td>14:30</td>
<td>Basics in MR Spectroscopy Dr. Pradeep Krishnan</td>
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<td>15:00</td>
<td>MR Artefacts Dr. Andrea Para</td>
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