



# PHILIPS

प्रज्ञानं ब्रह्म

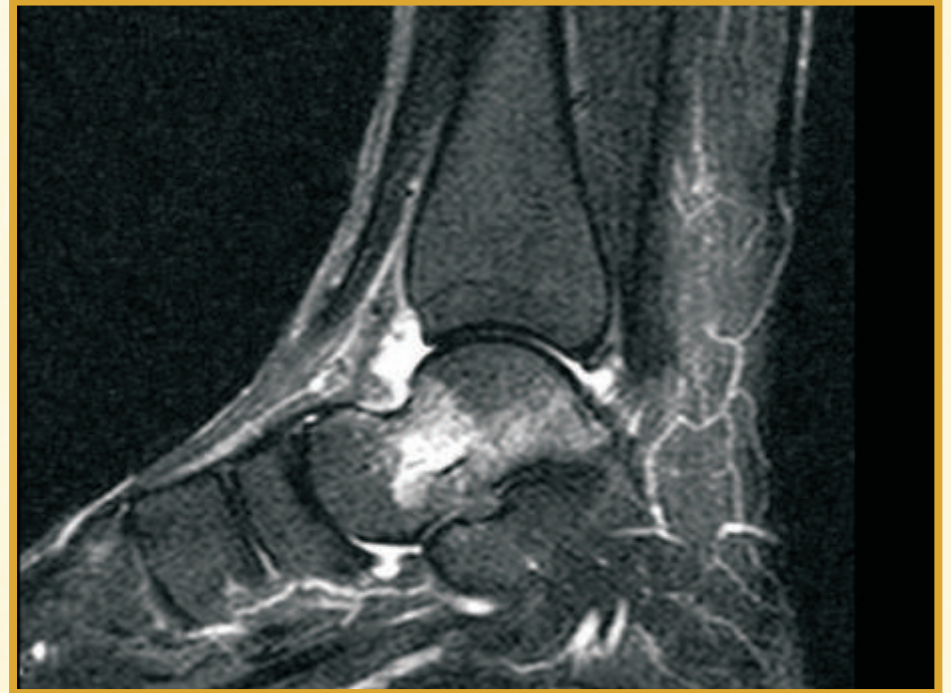
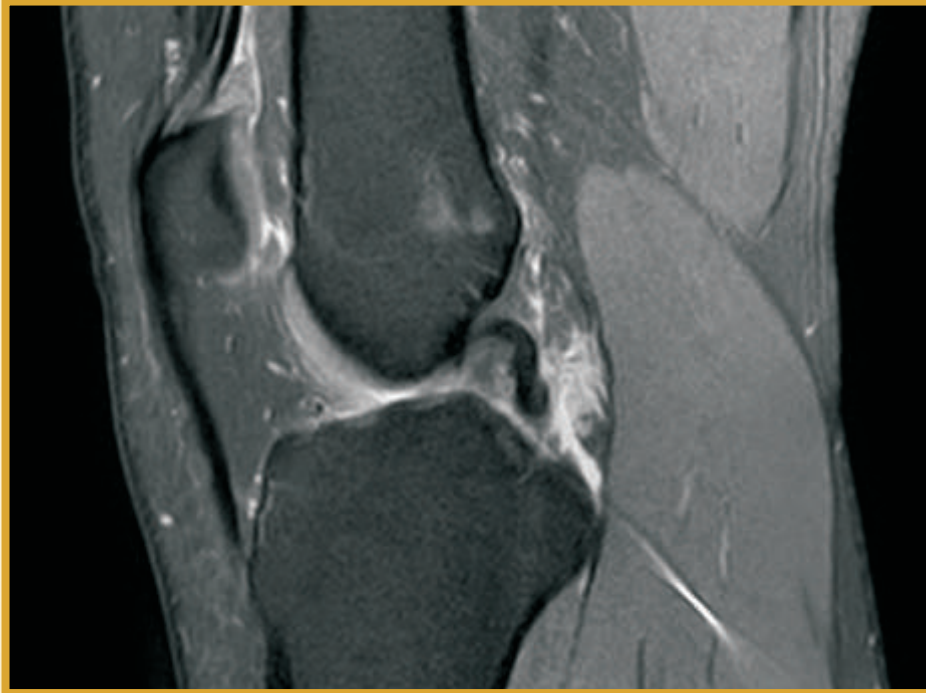


INSPIRED BY LIFE

## Summit on Technology Advancement and Challenges in Musculoskeletal Imaging

21st February 2016 (Sunday)

Venue: AC Seminar Hall, MIT



### About

Musculoskeletal imaging provides state of the art imaging of disorders of the bones, joints, and associated soft tissues using a wide variety of modalities, including conventional radiography, computed tomography (CT), ultrasonography and magnetic resonance imaging (MRI). Clinical evidence and research supports using ultrasound as the first diagnostic test for numerous musculoskeletal (MSK) conditions. Diagnostic ultrasound offers a number of important advantages compared to CT and MRI, in terms of safety and effectiveness.

### Objective

- To deliberate technology advancement and recent trends in musculoskeletal imaging.
- To address challenges in musculoskeletal imaging.

### Focus

#### ► Clinical Challenges in MSK

- **Ultrasound**
  - Improving the contrast resolution of ultrasound images. Better contrast resolution between various soft tissue structures can help in visualization of smaller ligaments and nerves.
  - Creating curved planar reformation images of nerves from 3D data.
- **MRI**
  - 3D segmentation of supraspinatus tendon to demonstrate the tears.
  - Improving the contrast resolution of 3D sequences in musculoskeletal imaging to match contrast resolution achieved by 2D sequences.

#### • Technology Advancement in MSK

- MRI Advance techniques and Demo
- Ultrasound Advance Techniques and Demo

### Who can attend?

Students, Faculty, Researchers who are interested in the area of Musculoskeletal Imaging.

### Resource Persons

- Clinical experts
- Technology experts from Healthcare IT

### Registration Fees

Last date : 31st January 2016

Industry Professionals : INR 1000

Students, Faculty and

Researchers : INR 500

Interested can send an email to

[conference.sois@manipal.edu](mailto:conference.sois@manipal.edu) for registration details.

### Poster Presentation

Participants willing to present their work on Musculoskeletal Imaging can send abstract on or before 15th January 2016 to [conference.sois@manipal.edu](mailto:conference.sois@manipal.edu). Accepted abstracts will be communicated for poster presentation.

For further clarifications, please contact:

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