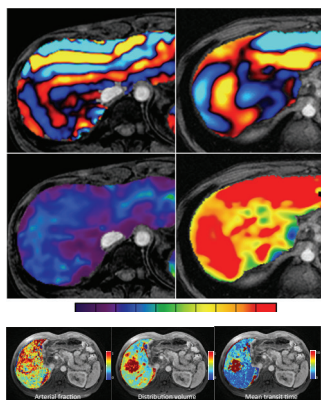


ISMRM Workshop on Quantitative Body Imaging



COMMITTEE CHAIR

Vikas Gulani, M.D., Ph.D.
Case Western Reserve University
Cleveland, OH, USA

COMMITTEE

Naranamangalam R. Jagannathan, Ph.D.
All India Institute of Medical
Sciences
New Delhi, India

Rama Jayasundar, Ph.D., B.A.M.S.
All India Institute of Medical
Sciences
New Delhi, India

Sonal Krishan, M.D.
Medanta Hospital
New Delhi, India

Scott Reeder, M.D., Ph.D.
University of Wisconsin
Madison, WI, USA

Manojkumar Saranathan, Ph.D.
University of Arizona
Tucson, AZ, USA

Nicole Seiberlich, Ph.D.
Case Western Reserve University
Cleveland, OH, USA

New Delhi, India • 26–28 March 2018

TARGET AUDIENCE: This workshop is intended for physicians, physician-scientists, and basic scientists alike, and the content will highlight in equal parts the technical developments that are happening that enable quantitative body imaging as well as the clinical opportunities (or potential opportunities) that these technologies enable. The workshop would sit at the cutting edge of both technical and clinical worlds. The range of expertise of attendees will likely span all of MR science, including (but not limited to) MR physics, biomedical engineering, electrical engineering/computer science, body radiology, and general radiology. The range of training will also span all of MR: basic and clinical scientists, clinical radiologists, basic and clinical postdoctoral researchers, graduate students, and MR technologists.

OVERVIEW

Abdominal imaging poses deep MR challenges both from an MR-acquisitions perspective and also that of clinical MRI. Small lesions or subtle pathology must be definitively characterized in large imaging volumes. These challenges are opportunities for improvements in fast MRI, quantitation of relevant parameters, and clinical innovations. In recent years, there has been substantial work done to bring a quantitative dimension to abdominal MRI. At this workshop, we will attempt to gain an overview of the basic and clinical science advances in quantitative abdominal imaging, and to gain some insight into where the field can be expected to go. Attendees will learn about rapid MRI and acquisitions, methods for quantitatively measuring tissue properties of interest, and how these methods are being brought to clinical practice.

The goal of this three-day workshop is to have sessions of invited talks and proffered papers on key subjects, as well as allow for presentation of new or developing methods that have not yet caught the attention of the organizers. Students who do not have invited talks will have ample opportunity to present papers both as oral and poster sessions. The conference will also be organized to include plenty of opportunity for free interactions within the group to encourage development of collaborations between the various groups from around the world. Attendees should also have an opportunity to see some of what Delhi has to offer as an international city of notable interest.

EDUCATIONAL OBJECTIVES

Upon completion of this activity, participants should be able to:

- Identify, implement, and compare and contrast key acquisition approaches used today in quantitative abdominal imaging, including diffusion, perfusion, fat fraction mapping, relaxation parameter mapping, and elastography;
- Summarize how the above approaches for quantitative abdominal imaging are used clinically in benign and malignant diseases of the abdomino-pelvic organs, and apply these techniques to their clinical practice;
- Recognize and work to improve the technical, standardization, and clinical challenges to quantitative imaging in the abdomen; and
- Identify and develop promising future technical and clinical advances in the field of quantitative abdominal MRI.

**FOR MORE INFORMATION
INCLUDING HOUSING &
REGISTRATION, PLEASE VISIT:**

www.ismrm.org/workshops/2018/Body/

OR CALL: +1 510 841 1899

The International Society for Magnetic Resonance in Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The International Society for Magnetic Resonance in Medicine designates this live activity for a preliminary maximum of 16.00* AMA PRA Category 1 Credits™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*preliminary credit designation; subject to change