

ISMRM Workshop on Accessible MRI for the World

New Delhi, India • 29–31 March 2019



OVERVIEW

According to a 2008 report from the World Health Organization, 90% of the world does not have access to MRI. This is further compounded by the fact that the number of scanners per million people in the two most populous countries, China and India, is significantly less than in the OECD countries.

This workshop will include experts in the field to lay out critical challenges to accessible MRI and provide an overview of their vision to address them. The workshop will be an immersion for attendees to understand global needs, learn about the related technical and clinical MR challenges, and gather information on existing and disruptive solutions delivered by the speakers. Most importantly, the attendees would also be provided with open-source tools in their areas of discussion and expertise, which they may choose to employ in their practice.

EDUCATIONAL OBJECTIVES

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

- Identify and recognize the need for accessible MR;
- Outline and summarize anatomy-wise MR clinical needs of underserved populations;
- Explain MR innovation process through examples from the past and needs of the future;
- Identify, assess and apply open-source tools for MR innovation inclusive of hardware, acquisition, reconstruction, and deep learning; and
- Recognize and evaluate the roles of artificial intelligence and quantitative imaging in the development of scalable comprehensive MR solutions for large populations.

TARGET AUDIENCE

This workshop is targeted towards basic scientists, clinicians, health policy experts related to medical imaging, and industry partners. This has been devised to enable an active interaction amongst these groups to learn, debate, and understand a well-rounded view of accessible MRI. This would highlight cutting-edge research in the areas of clinical need definition, hardware development, software tools, and sustainable MR bio-design, eventually resulting in a roadmap for a comprehensive accessible solution.

ORGANIZING COMMITTEE

Committee Co-Chairs: Sairam Geethanath, Ph.D. & Sonal Krishan, M.D.

Committee: Vikas Gulani, M.D., Ph.D. • Jürgen K. Hennig, Ph.D. • Chandrasekharan Kesavadas, M.D. • Manojkumar Saranathan, Ph.D. • Nicole Seiberlich, Ph.D. J. Thomas Vaughan, Jr., Ph.D. • Ramesh Venkatesan, D.Sc. • Lawrence L. Wald, Ph.D.

For More Information Including Housing & Registration,
 Please Visit: www.ismrm.org or Call +1 (510) 841-1899