

Opening Ceremony / Plenary Lectures



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Welcome Message from ISMRM



Scott B Reeder, MD, PhD, USA

- President ISMRM 2022-23
- Vice Chair of Research, H.I. Romnes Faculty Fellow, Chief of MRI, and LIRP Director, University of Wisconsin
- Senior Vice Chair of Research and Chief of MRI in the Department of Radiology at the University of Wisconsin, Madison
- Director of the UW Liver Imaging Research Program

Value of MRI



James Pipe, Ph.D., USA

- Professor of Radiology, Mayo Clinic College of Medicine and Science, Rochester, MN, USA
- Director of the Magnetic Resonance Technology Use and Design Lab at Mayo Clinic
- Past president ISMRM 2015-16
- Developing MRI methods that have a real, positive impact on patient care.

Value of MRI

- **Synopsis:**

- The “value” of MRI can be broadly defined in many different ways. In this talk I shall describe my personal “eight tenets of value” with examples, while staying away with financial issues such as health insurance reimbursement. The eight tenets are:
1. Getting “cost of the MRI exam” out of the way, 2. Better defining MR, 3. Creating better frameworks, 4. Building consensus, 5. Weaving value into our vocabulary, 6. Maintaining perspective, 7. Stretching, and 8. Focusing on the patient. I sincerely hope that these concepts could help related personnel in medical centers to appreciate and make best use of the value of MRI.

- **Key Reference:**

- van Beek EJR, Kuhl C, Anzai Y, Desmond P, Ehman RL, Gong Q, Gold G, Gulani V, Hall-Craggs M, Leiner T, Lim CCT, Pipe JG, Reeder S, Reinhold C, Smits M, Sodickson DK, Tempany C, Vargas HA, Wang M. Value of MRI in medicine: More than just another test? *J Magn Reson Imaging*. 2019;49:e14-e25.
- Ooi MB, Li Z, Robison RK, Wang D, Anderson AG 3rd, Zwart NR, Bakhru A, Nagaraj S, Mathews T, Hey S, Koonen JJ, Dimitrov IE, Friel HT, Lu Q, Obara M, Saha I, Wang H, Wang Y, Zhao Y, Temkit M, Hu HH, Chenevert TL, Togao O, Tkach JA, Nagaraj UD, Pinho MC, Gupta RK, Small JE, Kunst MM, Karis JP, Andre JB, Miller JH, Pinter NK, Pipe JG. Spiral T1 Spin-Echo for Routine Postcontrast Brain MRI Exams: A Multicenter Multireader Clinical Evaluation. *AJNR Am J Neuroradiol*. 2020;41:238-245.

ML-empowered Cardiac MR



Tim Leiner, M.D. Ph.D. NL, USA

- Professor of Radiology, Cardiovascular Radiologist at Mayo Clinic, Rochester
- Chair of Cardiovascular Radiology, [Utrecht University Medical Center](#); Clinical Lead of Quantib-U.
- Past president of ISMRM, 2020-2021
- Major interests: development of new imaging techniques including machine learning methods for earlier and better detection and characterization of cardiovascular disease.