Mark E. Schweitzer, MD

**Editor-in-Chief**

**Journal of Magnetic Resonance Imaging (JMRI)**

April 3, 2020

Dear Dr. Schweitzer:

I am pleased to submit the manuscript entitled “Non-invasive Assessment of Mesenteric Hemodynamics in Patients with Suspected Chronic Mesenteric Ischemia using 4D flow MRI” by Roberts, GS et al. to be considered for publication as “Original Research” in the ***Journal of Magnetic Resonance Imaging***.

This manuscript focuses on evaluating the clinical utility of radially-undersampled 4D flow MRI in the particularly difficult diagnosis of chronic mesenteric ischemia, a disease related to vascular insuffiency of the mesenteric circulation. Our results showed that 4D flow MRI was sensitive to differences in the distribution of blood flow in mesenteric vasculature between patients with chronic mesenteric and non-ischemic patients after a meal challenge was illicited. Additionally, 4D flow MRI simultaneously provided both flow measurements and a phase contrast angiogram to assist in the functional and morphological evaluation of this disease. I believe this fits well into the scope of the journal as it demonstrates the clinical utility of functional MRI in the diagnosis of a disease which often employs CT angiography as an initial diagnostic test. We strongly believe this will be of interest to the readers of your journal.

We affirm that the content of this manuscript is original and has not been, and will not be, considered for publication in any other journals. Additionally, this study was IRB-approved and HIPAA-compliant, with all human subjects receiving informed consent prior to scanning. To the best of our knowledge, no conflicts of interest, financial or otherwise, are associated with this publication. As Corresponding Author, I confirm that the manuscript has been read and approved for submission by all the named authors.

We hope you find our manuscript suitable for publication and look forward to hearing from you in the near future. Thank you for your consideration.

Sincerely,

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