

**November 18, 2016**

**Scientific Research Process**

**Name of Journal:** *World Journal of Gastroenterology*

**ESPS Manuscript NO:** 29836

**Manuscript Type:** ORIGINAL ARTICLE

**Title:** Magnetic resonance elastography is accurate in detecting advanced fibrosis in autoimmune hepatitis

**Authors:** Jin Wang, Neera Malik, Meng Yin, Thomas C Smyrk, Albert J Czaja, Richard L Ehman, Sudhakar K Venkatesh

**Correspondence to:** Sudhakar K Venkatesh, MD, FRCR, Professor of Radiology, Department of Radiology, Mayo Clinic College of Medicine, Mayo Clinic, 200 First Street SW, Rochester, MN 55905, United States. [venkatesh.sudhakar@mayo.edu](mailto:venkatesh.sudhakar@mayo.edu)

1 What did this study explore?

This study explored the utility of liver stiffness estimated with magnetic resonance elastography for evaluation of advanced fibrosis and cirrhosis in patients with autoimmune hepatitis

2 How did the authors perform all experiments?

Retrospective review was performed and liver stiffness was correlated with histological staging of liver fibrosis. Similar correlation analysis was performed for laboratory tests and conventional MRE.

3 How did the authors process all experimental data?

No experimental data was used in this study.

4 How did the authors deal with the pre-study hypothesis?

No pre-study hypothesis was formulated for this retrospective study.

5 What are the novel findings of this study?

MRE is accurate in detecting advanced fibrosis and cirrhosis in autoimmune hepatitis in both treated and untreated patients.

Sincerely,

Sudhakar K Venkatesh, MD, FRCR, Professor of Radiology

Department of Radiology, Mayo Clinic College of Medicine, Mayo Clinic,  
200 First Street SW, Rochester, MN 55905, United States

E-mail: [venkatesh.sudhakar@mayo.edu](mailto:venkatesh.sudhakar@mayo.edu)

Telephone: +1-507-2841728

Fax: +1-507-2842405