

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 54088

**Manuscript Type:** ORIGINAL ARTICLE

### *Retrospective Study*

Shear wave elastography <sup>3</sup> may be sensitive and more precise than transient elastography in predicting significant fibrosis in chronic hepatitis B patients: A prospective comparative study

Yao TT *et al.* SWE is better than TE in predicting significant fibrosis

Tian-Tian Yao, Jing Pan, Jian-Dan Qian, Hao Cheng, Yan Wang, Gui-Qiang Wang

### **Abstract**

#### BACKGROUND

Noninvasive measurements including transient elastography (TE) and

### Match Overview

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1	Internet crawled on 29-Jan-2020 <a href="http://www.wjgnet.com">www.wjgnet.com</a>	153 words	3%
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### Ultrasound shear wave elastography and liver fibrosis: A ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5220270>

Jan 08, 2017 · SWE is also reportedly **more** accurate than TE in assessing **significant fibrosis** ( $\geq$  F2)[8,9]. The use of **shear wave elastography** in the diagnosis and staging of liver **fibrosis** has been increasing. Being a non-invasive technique proves advantageous because repeat measurements can be obtained in **patients** with **chronic** progressive liver diseases.

**Cited by:** 18 **Author:** Joyce Anyona Sande, Suleman Verjee, Sud...  
**Publish Year:** 2017

### Shear Wave Elastography for Evaluation of Liver Fibrosis ...

<https://onlinelibrary.wiley.com/doi/full/10.7863/ultra.33.2.197>

In a pilot **study** conducted on 121 **patients** with **chronic hepatitis C** undergoing liver biopsy, the optimal cutoff values were 7.1 kPa (1.54 m/s) for **significant fibrosis** (METAVIR **fibrosis** score of F2 or greater), 8.7 kPa (1.70 m/s) for advanced **fibrosis** (METAVIR **fibrosis** score of F3 or greater), and 10.4 kPa (1.86 m/s) for cirrhosis (METAVIR ...

**Cited by:** 88 **Author:** Giovanna Ferraioli, Parth Parekh, Alexander...  
**Publish Year:** 2014

### Transient Elastography in Clinical Detection of Liver ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4991200>

Leung VY, Shen J, Wong VW, Abrigo J, Wong GL, Chim AM, et al. Quantitative **elastography** of liver **fibrosis** and spleen stiffness in **chronic hepatitis B** carriers: Comparison of **shear-wave elastography** and **transient elastography** with liver biopsy correlation. Radiology. 2013; 269:910–8.

**Cited by:** 10 **Author:** Xiao-Xia Geng, Ren-Gang Huang, Jian-Mei ...  
**Publish Year:** 2016

#### PEOPLE ALSO ASK

- What is the principle behind shear wave elastography?
- What is the accuracy of ultrasound shear wave elastography?
- What is the diagnostic performance of MR elastography?

Feedback

### Prospective comparison of transient, point shear wave, and ...

<https://www.researchgate.net/publication/334269698...>

Methods This **prospective**, cross-sectional, dual-center imaging **study** included 100 **patients** with known or suspected **chronic** liver disease caused by **hepatitis B** or C virus, nonalcoholic fatty liver ...

### Prospective comparison of transient, point shear wave, and ...

<https://link.springer.com/article/10.1007/s00330-019-06331-4>

To perform head-to-head comparisons of the feasibility and diagnostic performance of **transient elastography** (TE), point **shear-wave elastography** (pSWE), and magnetic resonance **elastography** (MRE). This **prospective**, cross-sectional, dual-center imaging **study** included 100 **patients** with known or suspected **chronic** liver disease caused by **hepatitis B** or C virus, nonalcoholic fatty liver disease, or ...

**Cited by:** 8 **Author:** Thierry Lefebvre, Thierry Lefebvre, Claire W...  
**Publish Year:** 2019

### Transient Elastography - an overview | ScienceDirect Topics

<https://www.sciencedirect.com/topics/medicine-and...>

Patrick S. Kamath, Vijay H. Shah, in Zakim and Boyer's Hepatology (Seventh Edition), 2018. Ultrasound **Transient Elastography**. Ultrasound **transient elastography** (TE) or fibroelastography has been used primarily to determine liver stiffness as a surrogate for hepatic **fibrosis**. In a **study** of 61 consecutive **patients** with **hepatitis C virus** (HCV)–related **chronic** liver disease, there was a strong ...

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**Cited by:** 18

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**Publish Year:** 2017

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Leung VY, Shen J, Wong VW, Abrigo J, Wong GL, Chim AM, et al. Quantitative **elastography** of liver **fibrosis** and spleen stiffness in **chronic hepatitis B** carriers: Comparison of **shear-wave elastography** and **transient elastography** with liver biopsy correlation. Radiology. 2013; 269:910–8.

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