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Manuscript NO: 54088

Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Shear wave elastography ³ 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

1	Internet 153 words crawled on 29-Jan-2020 www.wjnet.com	3%
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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 ...
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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 ...

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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

Author: Joyce Anyona Sande, Suleman Verjee, S...

Publish Year: 2017

Biases of Shear Wave vs Transient Elastography in fibrosis ...

<https://www.researchgate.net/publication/339624457...>

Download Citation | On Feb 29, 2020, VASILE-ANDREI OLTEANU and others published Biases of **Shear Wave** vs **Transient Elastography** in **fibrosis** assessment of **patients** with fatty liver disease | Find ...

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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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