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Observational Study

Assessing significant fibrosis using imaging-based elastography in chronic hepatitis B patients: Pilot study

Park HS *et al.* Magnetic resonance elastography in chronic hepatitis B patients

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Abstract

BACKGROUND

Accurate detection of significant fibrosis (fibrosis stage 2 or higher on the METAVIR scale) is important especially for chronic hepatitis B (CHB) patients with high viral loads but **with normal or mildly elevated alanine aminotransferase (ALT) levels** because **the presence of significant fibrosis** is accepted as the indication for antiviral treatment. **Liver biopsy is the reference standard for diagnosing significant fibrosis, but it is an invasive procedure.** Consequently, noninvasive **imaging-based measurements, such as magnetic resonance elastography (MRE) or two-dimensional shear-wave elastography (2D-SWE), have been proposed for the quantitative**

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Fibrosis assessment in patients with chronic hepatitis B virus (HBV ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5326648/> [▼ 翻译此页](#)

作者: P Parikh - 2017 - 被引用次数: 23 - 相关文章

Both blood- and **imaging-based** approaches have advantages over liver biopsy, ... This review outlines the methods of **fibrosis assessment in** chronic **HBV** infection and focuses (45) to predict **significant fibrosis** and cirrhosis **in** HCV. ... to inform **treatment decisions in** patients **with** chronic **hepatitis B** showed that both APRI ...

缺少字词: **basis**

Imaging Based Methods of Liver Fibrosis Assessment in Viral Hepatitis ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4686715/> [▼ 翻译此页](#)

作者: H Khallafi - 2015 - 被引用次数: 1 - 相关文章

跳到**Elastography Imaging** - ... **in** clinical **decision** seems to be **in** early stage **with** only ... The LSM can be followed to monitor for **therapy** response ... **Imaging based elastography** techniques for liver **fibrosis** ... TE can detect clinically **significant fibrosis** and cirrhosis **with** a **Hepatitis B** serology: e antigen status (**HBV**).

缺少字词: **basis anti-**

American Gastroenterological Association Institute ... - Gastroenterology

[www.gastrojournal.org/article/S0016-5085\(17\)30325-6/pdf](http://www.gastrojournal.org/article/S0016-5085(17)30325-6/pdf) - [翻译此页](#)

作者: S Singh - 2017 - 被引用次数: 61 - 相关文章

2017年5月2日 - esophageal varices (EVs) or having clinically **significant** ... factored **in** making **treatment** and surveillance **decisions** (for. HCC and/or esophageal ... **assessment** of liver **fibrosis**, **in** patients **with** HCV and **HBV**, **with** >90% ... ation force pulse **imaging** or shear wave **elastography**. **Based** ... **with anti-viral therapy**,.

When and in Whom to Initiate HCV Therapy | HCV Guidance

<https://www.hcvguidelines.org/evaluate/when-whom> [▼ 翻译此页](#)

2017年9月21日 - Initiating **therapy in** patients **with** lower-stage **fibrosis** augments the benefits of SVR. On an intent-to-**treat basis**, **treatment** was associated **with** clinical improvement ... Successful **treatment** of HCV **using** interferon-**based** regimens can **Evaluation** for advanced **fibrosis using** liver biopsy, **imaging**, and/or ...



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Imaging Based Methods of Liver Fibrosis Assessment in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4686715>

The degree of **liver fibrosis in chronic viral hepatitis infections** has major clinical implications and presence of advanced **fibrosis** or **cirrhosis** determines prognosis. **Treatment** initiation for viral **hepatitis** is indicated in most cases of advanced **liver fibrosis** and diagnosis of **cirrhosis** entails **hepatology evaluation** for specialized clinical care.

Cited by: 1

Author: Hicham Khallafi, Kamran Qureshi

Publish Year: 2015

Ultrasound shear wave elastography and liver fibrosis: A ...

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

Jan 08, 2017 · A multicenter prospective study was conducted to **assess the accuracy** of SWE (medians) and APRI to predict biopsy results. The **analysis** focused on distinguishing the different stages of **liver disease**, namely, F0 from F1-4, F0-1 from F2-4, F0-2 from F3-4 and F0-3 from F4; F0-F1 from **F2-F4** being of primary interest.

Cited by: 10

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

Publish Year: 2017

Accuracy of real-time shear wave elastography for ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.25936>

Real-time shear wave **elastography** (SWE) is a novel, noninvasive method to **assess liver fibrosis** by measuring liver stiffness. This single-center study was conducted to **assess the accuracy of SWE** in patients with **chronic hepatitis C** (CHC), in comparison with transient **elastography** (TE), by **using liver biopsy** (LB) as the reference standard.

Cited by: 480

Author: Giovanna Ferraioli, Carmine Tinelli, Barb...

Publish Year: 2012

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... fibrosis in viral hepatitis: noninvasive assessment with ... - Friedrich-Rust - 被引用次数: 706

... elastography for assessing liver fibrosis in chronic ... - Ferraioli - 被引用次数: 480

... assessment of liver fibrosis with acoustic radiation force ... - Grgurevic - 被引用次数: 73

Supersonic shearwave elastography in the assessment of liver fibrosis ...

<https://www.nature.com/scientific-reports/articles/> - 翻译此页

作者: S Chen - 2016 - 被引用次数: 7 - 相关文章

2016年8月11日 - 24 patients with BA received SSWE and laboratory tests before scheduled for liver biopsy. ... can make use of real-time gray scale mode imaging for the assessment of ... marker of fibrosis and cirrhosis in adults with hepatitis C, hepatitis B, ... This retrospective study based on the prospectively collected data ...

Imaging Based Methods of Liver Fibrosis Assessment in Viral Hepatitis ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4686715/> - 翻译此页

作者: H Khallafi - 2015 - 被引用次数: 1 - 相关文章

跳到Elastography Imaging - Imaging based elastography techniques for liver fibrosis assessment. ... shown that TE can detect clinically significant fibrosis and cirrhosis with a ... cohort study, TE was evaluated in patients with chronic type B and C The initial United States study was a pilot program that was recently ...

Assessment of biopsy-proven liver fibrosis by two-dimensional shear ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5765493/> - 翻译此页

作者: E Herrmann - 2018 - 被引用次数: 54 - 相关文章

AUROC of 2D-SWE in patients with hepatitis C, hepatitis B, and nonalcoholic fatty liver ... of liver stiffness, mainly with ultrasound-based shear wave elastography. ... The real-time imaging also allows assesment of the stability of the wave elastography for assessing liver fibrosis in chronic hepatitis C: a pilot study.

Non-Invasive Assessment of Liver Fibrosis in a Rat Model ...

iranjradiol.com/en/articles/60665.html - 翻译此页

作者: Z Yue - 相关文章