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Retrospective Cohort Study

Liquid biopsy for non-invasive assessment of liver injury in hepatitis B patients

Xia WY *et al.* Liquid biopsy for liver injury

Wen-Ying Xia, Li Gao, Er-Hei Dai, Dan Chen, Er-Fu Xie, Li Yang, Shi-Chang Zhang,
Bing-Feng Zhang, Jian Xu, Shi-Yang Pan

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Noninvasive tests for liver disease, fibrosis, and ...

<https://www.mdedge.com/ccjm/article/95321/hepatology/noninvasive...>

Regev et al4 performed laparoscopically guided **biopsy** of the right and left **hepatic** lobes in a series of 124 **patients** with **chronic hepatitis C**. **Biopsy samples** from the right and left lobes differed in the intensity of **inflammation** in 24.2% of cases, and in the intensity of **fibrosis** in 33.1%.

Prospects in non-invasive assessment of liver fibrosis ...

<https://www.sciencedirect.com/science/article/pii/S0925443918300103>

1). **Non-invasive** tools are surrogate techniques for **liver biopsy** that aim to stage the degree of **fibrosis** without **puncturing** the **liver**. A major advantage of these methods, apart from being **non-invasive**, is the fact that they can be repeated frequently, which enables **assessment** of the evolution of **fibrosis**.

Cited by: 3

Author: Joeri Lambrecht, Stefaan Verhulst, Inge ...

Publish Year: 2018

Prediction of significant fibrosis in HBeAg-positive ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/abs/10.1002/hep.20960>

Serpil Erdogan, Halef Okan Dogan, Sevilay Sezer, Sema Uysal, Esra Ozhamam, Serra Kayacetin and Yuksel Koca, The diagnostic value of **non-invasive tests** for the **evaluation** of **liver fibrosis** in **chronic hepatitis B patients**, Scandinavian Journal of Clinical and Laboratory Investigation, 10.3109/00365513.2013.773592, 73, 4, (300-308), (2013).

Cited by: 173

Author: Min-De Zeng, Lun-Gen Lu, Yi-Min Mao, D...

Publish Year: 2005

Liquid biopsy for liver diseases | Gut

gut.bmj.com › [Archive](#) › [Volume 67, Issue 12](#) ▼

Dec 01, 2018 · Finally, we observed this signature in blood EVs from ambulatory **patients** with mild ALD in a pilot proof-of-concept study.²⁴ In summary, growing evidence from both various experimental models of **liver injury** as well as from **patients** with different types of **liver** diseases is pointing to the potential role of EVs as a novel liquid biopsy.



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Noninvasive assessment of liver damage in chronic hepatitis B

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3767843>

Aug 27, 2013 · Liver biopsy is the standard method to assess **liver histology** in **chronic hepatitis B (CHB) disease**. Due to the limitations of liver biopsy, the use of non-invasive markers has emerged in recent years. The **aspartate aminotransferase/platelet ratio index (APRI)** is used to determine **chronic hepatitis C (CHC)** patients with advanced fibrosis.

Cited by: 15

Author: Mehmet Celikbilek, Serkan Dogan, Sebn...

Publish Year: 2013

New classification of liver biopsy assessment for fibrosis ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.29009>

Dec 27, 2016 · New classification of **liver biopsy assessment for fibrosis in chronic hepatitis B patients** before and after **treatment** **Yameng Sun** Liver Research Center, Beijing Friendship Hospital, Capital Medical University, Beijing Key Laboratory of Translational Medicine in **Liver Cirrhosis**, **National Clinical Research Center of Digestive Diseases**, Beijing, China

Cited by: 28

Author: Yameng Sun, Jialing Zhou, Lin Wang, Xia...

Publish Year: 2017

Noninvasive tests for liver disease, fibrosis, and ...

<https://www.mdedge.com/ccjm/article/95321/hepatology/noninvasive-tests-liver-disease...>

Noninvasive tests are increasingly precise in identifying the cause of many cases of **liver disease** and even the amount of **liver injury (fibrosis)**. This review discusses the role of **noninvasive tests** to **diagnose liver disease** and to **assess hepatic fibrosis** and cirrhosis.

Clinical assessment of patients with hepatitis B virus ...

hepatitisb.org.au/clinical-assessment-of-patients-with-hepatitis-b-virus-infection

Fibrosis assessment to determine the stage of **liver disease** is also important (**non-invasive tests**, **imaging** with or without biopsy) **Non-invasive methods of assessing hepatic fibrosis** such as **transient elastography (FibroScan®)** are becoming available.

Prospects in non-invasive assessment of liver fibrosis ...

<https://www.sciencedirect.com/science/article/pii/S0925443918300103>

In such settings of patient follow up, **liquid biopsy** holds great promise as a **non-invasive approach** to frequently measure a potential improvement of **liver fibrosis**. The relevance of such **non-invasive**,



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Clinical assessment of patients with hepatitis B virus ...

hepatitisb.org.au/clinical-assessment-of-patients-with-hepatitis-b-virus-infection ▾

KEY POINTS. Determining the phase of **hepatitis B virus (HBV)** infection is essential to the clinical **assessment** of the patient with HBV. HBV DNA, HBeAg status and **liver** function testing are all vital components of this **assessment**.

(PDF) Prospects in non-invasive assessment of liver ...

https://www.researchgate.net/publication/322344421_Prospects_in_non-invasive...

Prospects in non-invasive **assessment of liver** fibrosis: **Liquid biopsy** as the future gold standard? ...
Liquid biopsy has multiple. ... in patients with chronic **hepatitis B**, *Liver Int.* 29 ...

Prospects in non-invasive assessment of liver fibrosis ...

<https://www.sciencedirect.com/science/article/pii/S0925443918300103>

In such settings of patient follow up, **liquid biopsy** holds great promise as a non-invasive approach to frequently measure a potential improvement of **liver** fibrosis. The relevance of such non-invasive, sensitive and specific biomarkers has been mainly demonstrated in antiviral therapies for **liver** disease.

Cited by: 4

Author: Joeri Lambrecht, Stefaan Verhulst, Inge ...

Publish Year: 2018

Noninvasive assessment of liver damage in chronic hepatitis B

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3767843>

Aug 27, 2013 · **Liver biopsy** is the standard method to assess **liver** histology in chronic **hepatitis B** (CHB) disease. Due to the limitations of **liver biopsy**, the use of non-invasive markers has emerged in recent years. The aspartate aminotransferase/platelet ratio index (APRI) is used to determine chronic **hepatitis C** (CHC) patients with advanced fibrosis.

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New classification of liver biopsy assessment for fibrosis ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.29009>

Dec 27, 2016 · New classification of **liver biopsy assessment** for fibrosis in chronic **hepatitis B** patients before and after treatment Yameng Sun Liver Research Center, Beijing Friendship Hospital, Capital Medical University, Beijing Key Laboratory of Translational Medicine in **Liver** Cirrhosis, National Clinical Research Center of Digestive Diseases, Beijing, China

Cited by: 28

Author: Yameng Sun, Jialing Zhou, Lin Wang, Xia...

Publish Year: 2017