

Circulating miRNAs as noninvasive biomarkers for HBV liver fib



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Individual miRNAs have been identified as biomarkers for inflammation in various forms of liver injury [15]. The circulating miRNAs, **miR-29a** and **miR-92a**, have been shown to be effective noninvasive biomarkers for human colorectal cancer.

Potentials of the elevated circulating miR-185 level as a ...

[www.ncbi.nlm.nih.gov/pmc/articles/PMC5039723/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5039723/)

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Plasma microRNA: A novel non-invasive biomarker for HBV ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6364194>

Dec 19, 2018 - The aim of the present study was to evaluate the potential use of 7 **plasma miRNAs** for **liver fibrosis** staging in patients with **chronic hepatitis B virus (HBV)** infection. Relative levels of **miRNAs** were measured using quantitative polymerase chain reaction and used to ...

Cited by: 1

Author: Tie-Zheng Wang, Dong-Dong Lin, Bo-Xun ...

Publish Year: 2018

Circulating microRNAs as Potential Biomarkers in Non ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4810101>

Not many studies have addressed the role of **serum lncRNAs** as **liver disease biomarkers**. Still, Lu and coworkers reported that several **lncRNAs** are increased in the **serum of HCC and HBV** patients, compared to controls [17]. As such, it may be that **lncRNAs** may function as **predictive biomarkers** in **serum**.

Cited by: 55

Author: Marta B. Afonso, Pedro M. Rodrigues, And...

Publish Year: 2016

Circulating microRNAs as non-invasive biomarkers for the



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

**Manuscript NO:** 53381

**Manuscript Type:** REVIEW

**Circulating microRNAs as non-invasive biomarkers for hepatitis B virus liver fibrosis**

### Abstract

Viruses can alter the expression of host microRNAs (miRNAs) and modulate the immune response during a persistent infection. Dysregulation of host miRNAs by hepatitis B virus (HBV) contribute to the proinflammatory and profibrotic changes within the liver. Multiple studies have documented the differential regulation of

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4810101>

**Circulating microRNAs** as Potential **Biomarkers** in Non-Alcoholic Fatty **Liver** Disease and Hepatocellular Carcinoma. ... in parallel with **circulating** ALT levels, **liver fibrosis** and inflammation [47,72,73]. Accordingly, ... in **hepatitis B virus**-related HCC, ...

**Cited by:** 60      **Author:** Marta B. Afonso, Pedro M. Rodrigues, An...  
**Publish Year:** 2016

### Plasma microRNA: A novel non-invasive biomarker for HBV ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6364194>

These 7 **miRNAs** may serve as potential **biomarkers of liver fibrosis** in patients with **HBV-associated** fibrosis. The **miRNA** panel may serve as a novel **non-invasive method** for **liver fibrosis** staging.  
**Keywords:** **biomarker**, **hepatitis B virus**, **liver fibrosis**, cirrhosis, microRNA

**Cited by:** 2      **Author:** Tie-Zheng Wang, Dong-Dong Lin, Bo-Xu...  
**Publish Year:** 2018

### Circulating MicroRNAs: Potential and Emerging Biomarkers ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4983550>

The diagnosis of **infection** with the help of a **biomarker** is a **non-invasive** tool that has shown to have a key role in early diagnosis of **infection**. The discovery of **circulating miRNA** in the **blood of infected** patients has the potential to become a powerful **non-invasive biomarker** in coming future.

**Cited by:** 56      **Author:** Parmila Verma, Rajan Kumar Pandey, Pri...  
**Publish Year:** 2016





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## Circulating microRNAs: Possible role as non-invasive ...

<https://www.sciencedirect.com/science/article/pii/S2210740116301929>

**Liver** is the central organ for metabolism and the **hepatocytes** **metabolize** several drugs, hepatotoxins

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