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**Manuscript Type:** ORIGINAL ARTICLE

*Retrospective Study*

**Serum N-glycan markers for diagnosing liver fibrosis induced by hepatitis B virus**

Cao X *et al.* Serum N-glycan markers for diagnosing LF induced by HBV

Xi Cao, Qing-Hua Shang, Xiao-Ling Chi, Wei Zhang, Huan-Ming Xiao, Mi-Mi Sun, Gang Chen, Yong An, Chun-Lei Lv, Lin Wang, Yue-Min Nan, Cui-Ying Chen, Zong-Nan Tan, Xue-En Liu, Hui Zhuang

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Chronic HBV is a well-recognized risk factor for cirrhosis and liver cancer. 2 The overall prevalence of severe fibrosis in chronic hepatitis B (CHB) patients was 34% with higher rates seen in elder age groups, males and in patients with higher alanine aminotransferase (ALT) levels. 3 The risk of HCC increases with increasing level of HBV DNA in serum (viral load). 4 The early diagnosis of liver fibrosis ...

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## Molecular Serum Markers of Liver Fibrosis

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Author: Tianhui Liu, Xiaoming Wang, Morten A. K...

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## N-glycomic changes in hepatocellular carcinoma patients ...

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Oct 29, 2007 · We evaluated the use of **blood serum N-glycan fingerprinting** as a tool for the diagnosis of **hepatocellular carcinoma (HCC)** in patients with **cirrhosis induced by hepatitis B virus (HBV)**. A group of 450 HBV-infected patients with **liver fibrosis** or **cirrhosis** ...

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## [PDF] Serum N-glycomic markers in combination with panels ...

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hepatitis B.4 Therefore, it is imperative to find con-venient and **noninvasive indicators** for the clinical diagnosis of **liver diseases**. In the last decade, diag-nostic models using **combined serum markers** have become an interest area in the studies on **liver fibro-sis**. Models for the **diagnosis of chronic hepatitis C**

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Many parameters for noninvasive diagnosis of liver fibrosis were studied extensively in the past [4, 8]. These parameters include routine laboratory tests, **serum markers of fibrosis** and