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Objective. To establish a machine learning model for identifying patients coinfecting with hepatitis B virus (HBV) and human immunodeficiency virus (HIV) through two sexual transmission routes in Jiangsu, China. Methods. A total of 14197 HIV cases transmitted by homosexual and heterosexual routes were recruited. After data processing, 12469 cases (HIV and HBV, 1033; HIV, 11436 ...

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Oct 01, 2017 The patients in the research were enrolled in the China multi-centered real-time elastography of liver fibrosis of hepatitis B project. These subjects are the same group used in the previous study by Wu et al. Patients were placed in a supine position or in ...

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Publish Year: 2017

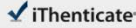
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In hepatitis B e antigen (HBeAg)-negative patients, usually treatment should only be stopped after hepatitis B surface antigen (HBsAg) clearance, which is a rare event in this setting. (3, 4) Based on modeling studies, HBeAg-negative patients would need to be treated for a median duration of 39-52 years until HBeAg-free

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Manuscript NO: 64264

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Observational Study

Prediction of hepatic inflammation in chronic hepatitis B patients with a random forest-backward feature elimination-algorithm

Zhou JY *et al.* A machine learning-based algorithm for hepatic inflammation

Ji-Yuan Zhou, Liu-Wei Song, Rong Yuan, Xiao-Ping Lu, Gui-Qiang Wang

Abstract

BACKGROUND

Persistent liver inflammatory damage is the main risk factor for developing liver fibrosis, cirrhosis and even hepatocellular carcinoma in chronic hepatitis B (CHB) patients. Thus, accurate prediction of the degree of liver inflammation is a high priority and a growing medical need.

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INTRODUCTION **Hepatitis B virus (HBV)** and **hepatitis C virus (HCV)**, the major causes of **chronic liver** diseases, are responsible for **hepatic inflammation**, **liver fibrosis**, **liver cirrhosis** and ...

A Noninvasive Prediction Model for Hepatitis B Virus ...

<https://www.hindawi.com/journals/bmri/2021/6696041> ▾

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