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Retrospective Study

Investigation of immune escape-associated mutations of hepatitis B virus in patients harboring hepatitis B virus drug-resistance mutations

Huang BX *et al.* Immune escape-associated mutations of HBV

Bi-Xia Huang, Yan Liu, Zhen-Ping Fan, Lan-Lan Si, Rong-Juan Chen, Jun Wang, Dan Luo, Fu-Sheng Wang, Dong-Ping Xu, Xin-Guang Liu

Abstract

BACKGROUND

It is unclear whether immune escape-associated mutations in the major hydrophilic

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1.3. Biology of **HBV** Surface Antigen and **Immune-Escape Mutations**. The **HBV** surface antigen (HBsAg) is the major antigen of the viral envelope and comprises the regions involved in the viral attachment to the hepatocytes and the main epitopes recognized by ...

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Immune-Escape Hepatitis B Virus Mutations Associated with ...

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Hepatitis B virus (HBV) reactivation occurs as a major complication of **immunosuppressive therapy** among persons who have recovered from **acute hepatitis** and those who have controlled **chronic infection**. Recent literature data emphasize the presence of a high degree of S gene variability in **HBV** isolates from patients who developed reactivation.

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1.1. Natural History of HBV Infection and HBV Reactivation. It is estimated that more than two billion people around the world have been infected by **hepatitis B virus** (HBV) [1].HBV infection remains a heavy health burden worldwide since chronic infection affects an estimated 248 million people and represents a significant risk for developing adverse outcomes, including cirrhosis, hepatic ...

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1. Introduction. **Hepatitis B virus** (HBV) infection is a worldwide health problem. HBsAg-positive **patients** with high levels of serum HBV DNA and alanine aminotransferase (ALT) are targets of anti-viral therapies because they are at high risk of liver cirrhosis and hepatocellular carcinoma (HCC) [1].It is estimated that

Hepatitis B virus

Dna Viru



Hepatitis B virus, is a partially double-stranded DNA virus, a species of the genus Orthohepadnavirus and a member of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B.



Wikipedia

Scientific name: Hepatitis B virus

Genus: Orthohepadnavirus

Family: Hepadnaviridae

Biological rank: Species

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Hepatitis B virus

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Hepatitis B virus, is a partially double-stranded DNA virus, a species of the genus Orthohepadnavirus and a member of the Hepadnaviridae family of viruses. This virus causes the disease hepatitis B.

Wikipedia

Scientific name: Hepatitis B virus**Genus:** Orthohepadnavirus**Family:** Hepadnaviridae**Biological rank:** Species

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