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Reactivation of hepatitis B after liver transplantation: Current knowledge, molecular mechanisms and implications in management

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Abstract

1 Chronic hepatitis B (CHB) is a major global health problem affecting an estimated 350 million people with more than 786,000 individuals dying annually due to complications, such as cirrhosis, liver failure and hepatocellular carcinoma (HCC). Liver transplantation (LT) is considered gold standard for treatment of hepatitis B virus (HBV)-related liver failure and HCC. However, post-transplant viral reactivation can be detrimental to allograft function, leading to poor survival. Prophylaxis with high-dose

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..., V Eclache-Saudreau, B Delmas... - ... England Journal of ..., 2002 - Mass Medical Soc
 ... Hepatology 63:10.1002/hep.v63.3, 721-730. 9. ... (2015) HCV-associated B-cell non-Hodgkin
 lymphomas and new direct antiviral agents. ... 18. (2015) Hepatitis C guidance: AASLD-IDSA
 recommendations for testing, managing, and treating adults infected with hepatitis C virus. ...

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Mechanisms of disease: mechanisms of hepatic fibrosis and therapeutic implications

SL Friedman - Nature clinical practice Gastroenterology & hepatology, 2004 - nature.com

... Regression has been documented in patients with hepatitis B, hepatitis C, 47 delta hepatitis,
 metabolic diseases and cholestasis, among others, although so far improvement has only been
 seen when the ... Antiviral therapy for viral hepatitis. ... Attenuating stellate-cell activation. ...

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[HTML] Long-term outcome of hepatitis C infection after liver transplantation[\[HTML\] nejm.org](#)

EJ Gane, BC Portmann, NV Naoumov... - ... England Journal of ..., 1996 - Mass Medical Soc
 ... 7. Casavilla A, Mateo R, Rakela J, et al. Impact of hepatitis C virus (HCV) infection on survival
 following primary liver transplantation (OLT) under FK506. ... 9. Seeff LB, Buskell-Bales Z, Wright
 EC, et al. Long-term mortality after transfusion-associated non-A, non-B hepatitis. ...

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[HTML] Occult hepatitis B virus infection in patients with chronic hepatitis C liver disease[\[HTML\] nejm.org](#)

I Cacciola, T Pollicino, G Squadrito... - ... England Journal of ..., 1999 - Mass Medical Soc

s and may become injurious only when the virus is reactivated after

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New Insights in Recurrent HCV Infection after Liver Transplantation

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作者: SH Hsu - 2013 - 被引用次数: 20 - [相关文章](#)

2013年3月31日 - In addition, treatment of recurrent HCV infection **after liver transplantation** is often compromised by enhanced adverse effects and limited efficacy of ... factors, **current** therapeutics for HCV in different stages of **liver transplantation**, cellular function of HCV proteins, and **molecular mechanisms** of HCV entry.

Hepatitis B virus management to prevent reactivation after - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3469760/> ▼ [翻译此页](#)

作者: JP Hwang - 2012 - 被引用次数: 34 - [相关文章](#)

2012年8月30日 - **Reactivation of hepatitis B virus (HBV)** infection **after** chemotherapy can lead to **liver** failure and death. however, none of these experimental animal models is sufficient for the studies required to understand the viral, **molecular**, and immune **mechanisms** culminating in **HBV-reactivation** hepatitis [31].

Hepatitis B: The Virus and Disease - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2809016/> ▼ [翻译此页](#)

作者: TJ Liang - 2009 - 被引用次数: 471 - [相关文章](#)

Extrahepatic manifestations of **HBV** infection are rare but can be difficult to diagnose and **manage**. The challenges in the area of **HBV**-associated disease are the lack of **knowledge** in predicting outcome and progression of **HBV** infection and an unmet need to understand the **molecular**, cellular, immunological, and genetic ...

Reactivation of hepatitis B - Hoofnagle - 2009 - Hepatology - Wiley ...

onlinelibrary.wiley.com/doi/10.1002/hep.22945/full ▼ [翻译此页](#)

作者: JH Hoofnagle - 2009 - 被引用次数: 412 - [相关文章](#)

2009年4月27日 - Future research should address the underlying **molecular mechanisms** of **reactivation** as



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Reactivation of hepatitis B. - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pubmed/19399803> ▼ 翻译此页

作者: JH Hoofnagle - 2009 - 被引用次数: 415 - 相关文章

Reactivation of hepatitis B refers to the abrupt increase in **hepatitis B virus (HBV)** replication in a patient with inactive or resolved **hepatitis B**. **Reactivation** can occur spontaneously, but more ... Special forms of **reactivation** occur **after** solid organ and bone marrow **transplantation** in which chronic infection often results.

缺少字词: `current knowledge management`

Hepatitis B virus management to prevent reactivation after - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3469760/> ▼ 翻译此页

作者: JP Hwang - 2012 - 被引用次数: 34 - 相关文章

2012年8月30日 - **Reactivation of hepatitis B virus (HBV)** infection **after** chemotherapy can lead to **liver failure** and death. however, none of these experimental animal models is sufficient for the studies required to understand the viral, **molecular**, and immune **mechanisms** culminating in **HBV-reactivation hepatitis** [31].

Management of chronic hepatitis B before and after liver transplantation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4450205/> ▼ 翻译此页

作者: J Fung - 2015 - 被引用次数: 10 - 相关文章

2015年6月8日 - **Hepatitis B** immune globulin (HBIG) is pooled human immune globulins from donors with high antibody titers, and is administered as a form of passive immunoprophylaxis. The exact **mechanism** as to how HBIG reduces recurrence rate **after liver transplantation** is unclear. Several proposed **mechanisms** ...

缺少字词: `knowledge molecular`

New Insights in Recurrent HCV Infection after Liver Transplantation

<https://www.hindawi.com/journals/jir/2013/890517/> ▼ 翻译此页

作者: SH Hsu - 2013 - 被引用次数: 20 - 相关文章

2013年3月31日 - In addition, treatment of recurrent HCV infection **after liver transplantation** is often compromised by enhanced adverse effects and limited efficacy of ... factors, **current** therapeutics for HCV ...