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HEV re-infection accelerates hepatocellular carcinoma development and relapse in a patient with liver cirrhosis: A case report and review of literature

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Abstract

BACKGROUND

HEV superinfection is a suspected promoting factor for hepatocellular carcinoma (HCC) in patients with chronic hepatitis and cirrhosis. However, to date, very few cases of HEV-related HCC have been reported. Nevertheless, the role of HEV reinfection in cirrhotic liver without other chronic hepatitis infections has rarely been explored.

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Aug 01, 2013 · Introduction. Chronic hepatitis C virus (HCV) infection is a major health burden with more than 170 million infected individuals worldwide. Progression to **liver cirrhosis** is observed in 2–35% of the **patients** after 20–25 years of chronic infection and once **liver cirrhosis** is established, the cumulative 5-year risk to develop hepatocellular carcinoma (**HCC**) is estimated ...

Cited by: 7**Author:** Georg Dultz, Martin Seelhof, Eva Herrm...**Publish Year:** 2013

Eradication of Hepatitis C Virus Infection in Patients ...

<https://www.sciencedirect.com/science/article/pii/S0016508516350703>

Jan 01, 2017 · Hepatitis C virus (HCV)-infected cirrhotic **patients** have the lowest rates of sustained viral response (SVR) across all genotypes and treatment regimens 1 and are exposed to both hepatic 2 and extrahepatic life-threatening complications. 3 Moreover, cirrhotic **patients** often present with a high prevalence of comorbidities. 4 The clinical benefits of achieving SVR in this ...

Cited by: 310**Author:** Pierre Nahon, Valérie Bourcier, Richard ...**Publish Year:** 2017

Hepatitis E virus: A potential threat for patients with ...

<https://www.sciencedirect.com/science/article/pii/S1521691817300276>

Apr 01, 2017 · Introduction. Hepatitis E virus (**HEV**) is a major cause of viral hepatitis worldwide; it is endemic in both developing as well as developed countries .**HEV** genotype 1 and 2 are known as a cause of acute hepatitis and fulminant hepatic failure in pregnant women during large waterborne outbreaks in developing countries .While **HEV** genotype 3 and 4 infection usually will result in a ...

Author: Annemiek A. van der Eijk, Suzan D. P...**Publish Year:** 2017

(PDF) Towards curative therapy of chronic viral hepatitis

https://www.researchgate.net/publication/330475971_Towards_curative_therapy_of_chronic

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Natural history, treatment and prevention of hepatitis C ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4145750>

Aug 28, 2014 · INTRODUCTION. Hepatitis C virus (HCV) has been estimated to infect 170 million people worldwide. Liver disease due to HCV, including cirrhosis and hepatocellular carcinoma (HCC) is the main indication for liver transplantation (LT)[2,3]. Post-transplant HCV re-infection of the graft is reported to be universal and often results in accelerated progression from acute hepatitis to chronic ...

Cited by: 15

Author: Jérôme Dumortier, Olivier Boillot, Jean-Yve...

Publish Year: 2014

Modeling hepatitis C virus transmission among people who ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4994822>

Introduction. Hepatitis C virus (HCV) is a major global health problem affecting approximately 170 million people worldwide causing significant morbidity and mortality. 1 Treatment for chronic HCV has been available for some time, however with low cure rates (30–80%, depending on genotype) and significant side effects, 2,3 treatment uptake has been low. 4-7 Recently, 'direct-acting ...

Cited by: 14

Author: Nick Scott, Margaret Hellard, Emma Sue M...

Publish Year: 2016

Frontiers | Viral Hepatitis E and Chronicity: A Growing ...

<https://www.frontiersin.org/articles/10.3389/fmicb.2020.577339>

Hepatitis E viral infection recently emerges as a global health concern. Over the last decade, the understanding of hepatitis E virus (HEV) had changed with the discovery of new genotypes like genotype-7 and genotype-8 with associated host and mode of infection. Diversification in the mode of hepatitis E infection transmission through blood transfusion, and organ transplants in contrast to ...

Management of hepatocellular carcinoma: An update - Bruix ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/10.1002/hep.24199>

Jan 19, 2011 · Hesameddin Eghlimi, Peyman Arasteh, Alireza Shamsaeefar, Hamed Nikopour, Sahar Sohrabi, Saman Nikeghbalian, Ex vivo resection and temporary portocaval shunt of unresectable hepatocellular carcinoma followed by autotransplantation of liver: a case report, World Journal of Surgical Oncology, 10.1186/s12957-019-1781-7, 18, 1, (2020).

Cited by: 9580

Author: Jordi Bruix, Morris Sherman

Publish Year: 2011

Inferior Outcomes Associated with the Coexistence of ...

<https://www.researchgate.net/publication/330866745...>

Liver transplantation (LT) is known to be a promising treatment for patients with liver cirrhosis associated with hepatocellular carcinoma (HCC). This study, however, found that HCC recurrence ...

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[The oncologic burden of hepatitis C virus infection: A ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5591069>

Introduction. Chronic **hepatitis C virus** (HCV) infection affects millions of people worldwide. 1 The oncologic burden of HCV infection is substantial. First, HCV infection is associated with the **development** of several different types of cancer. 2,3 In 2012, a total of 170,000 new cancer cases, or approximately 7.8% of all new cancers, were attributable to HCV in GLOBOCAN 2012. 4 Second, chronic ...

Cited by: 32**Author:** Harrys A. Torres, Terri Lynn Shigle, Nassi...**Publish Year:** 2017

[Frontiers | Viral Hepatitis E and Chronicity: A Growing ...](#)

<https://www.frontiersin.org/articles/10.3389/fmicb.2020.577339> ▼

Hepatitis E viral infection recently emerges as a global health concern. Over the last decade, the understanding of **hepatitis E virus** (HEV) had changed with the discovery of new genotypes like genotype-7 and genotype-8 with associated host and mode of infection. Diversification in the mode of **hepatitis E** infection transmission through blood transfusion, and organ transplants in contrast to ...

Author: Vikram Thakur, Radha Kanta Ratho, ...**Publish Year:** 2020

[Infections with Multiple Hepatotropic Viruses ...](#)

<https://www.ncbi.nlm.nih.gov/books/NBK2492>

The hepatotropic viruses are a major public health problem representing the most common cause of **liver** disease worldwide. Viral **hepatitis** accounts for more than 15,000 deaths annually in the United States alone (34). Chronic infection with **hepatitis B virus** (HBV) is estimated to affect 400 million individuals globally, and is the leading cause of **hepatocellular carcinoma** (HCC) (76).

Cited by: 1**Author:** Robert P. Myers, Vlad Ratziu, Yves Benh...**Publish Year:** 2002

[Inferior Outcomes Associated with the Coexistence of ...](#)

<https://www.researchgate.net/publication/330866745...>

Incidence of **hepatitis C virus** reactivation was significantly higher than that of **hepatitis B virus relapse** ($p < 0.0001$). **Hepatocellular carcinoma** recurrence and overall survival were not ...