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**Hepatitis C virus-specific cytotoxic T cell response restoration after treatment-induced hepatitis C virus control**

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### Abstract

Hepatitis C virus (HCV)-specific cytotoxic T cell (CTL) response plays a major role in viral control during spontaneous infection resolution. These cells develop an exhausted and pro-apoptotic status during chronic virus, being unable to get rid of HCV. The role of this response in contributing to sustained viral response (SVR) after anti-HCV is controversial. Recent studies

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### Hepatitis C virus-specific T-cell reactivity during interferon and ribavirin treatment in chronic hepatitis C

ME Cramp, S Rossol, S Chokshi, P Carucci, R Williams... - Gastroenterology, 2000 - Elsevier  
... in patients with chronic hepatitis C are associated with different patterns of virus-specific T-cell reactivity. ... inactivated human AB serum (Gemini Bio-Products Inc., Calabasas, CA) at 37°C with 5 ... 20 anti-HCV-negative healthy subjects, as well as 10 patients with hepatitis B surface ...

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### Immunology of hepatitis B virus and hepatitis C virus infection

B Rehermann, M Nascimbeni - Nature Reviews Immunology, 2005 - nature.com

... In both infections, extrahepatic manifestations can be mediated by virus-specific immune-complex injury ... and polyclonal B-cell expansions have been observed in chronic hepatitis C and can ... control, clinical recovery and protective immunity but also to chronic hepatitis and liver ...

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### [HTML] Pegylated interferon $\alpha$ therapy in acute hepatitis C: Relation to hepatitis C virus-specific T cell response kinetics

..., CS Graham, Q He, JW Rasenack, T Peters... - ..., 2004 - Wiley Online Library  
... doi: 10.1002/hep.20266. ... responders in group A and B and untreated subjects with self-limited disease maintained significant virus-specific T cell responses to at ... Global surveillance and control of hepatitis C. Report of a WHO consultation organized in collaboration with the Viral ...

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### [HTML] Hepatitis C virus versus innate and adaptive immune responses: a tale of coevolution and coexistence

B Rehermann - The Journal of clinical investigation, 2009 -.ncbi.nlm.nih.gov

... specific antibodies and T cells become detectable, and the appearance of HCV-specific T cells in the ... Of infected patients, 60%–80% develop chronic hepatitis, which is associated with an increase in the ... 36); and (c) inhibiting ISGF3 binding to IFN-stimulated response elements. ...

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### Adaptive immune response during hepatitis C virus infection

www.ncbi.nlm.nih.gov > ... > Literature > PubMed Central (PMC) - 翻译此页

作者 : JR Larrubia - 2014 - 被引用次数 : 2 - 相关文章

2014年4月7日 - Hepatitis C virus-specific immune response activation. .... completely in treated patients after the initial treatment induced viral control[43]. .... clear HCV-specific cytotoxic T cell response restoration during anti-HCV therapy has ...

### Acute Hepatitis C Virus Infection: A Chronic Problem

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ 翻译此页

作者 : JT Blackard - 2008 - 被引用次数 : 77 - 相关文章

Since the discovery of the hepatitis C virus (HCV) in the late 1980s, there has been an ... After acute infection, HCV RNA may become detectable in the serum/plasma in as ... In addition, we review recent data related to interferon-based treatment .... For instance, a vigorous HCV-specific type 1 helper T cell CD4<sup>+</sup> response, ...

### Differences in Hepatitis C Virus (HCV)-Specific CD8 T-Cell ...

jvi.asm.org/content/82/15/7567.full ▾ 翻译此页

作者 : J Caetano - 2008 - 被引用次数 : 23 - 相关文章

HCV-specific T-lymphocyte responses, including those mediated by cytotoxic T ... with control of the virus (9, 28), the importance of CD8 T cells in chronic infection is ... In order to address whether viral clearance is related to the phenotype and ... in a group