

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 63913

Manuscript Type: MINIREVIEWS

Prevention of Vertical Transmission of Hepatitis B Virus Infection

Vertical Transmission of HBV

Abstract

Hepatitis B virus (HBV) is the leading cause of chronic viral hepatitis. Annually, almost two million children younger than five years acquire the infection, mostly through vertical or horizontal transmission in early life. Vertical transmission of HBV is a high efficacy phenomenon ranging, in the absence of any preventive interventions, from 70 to 90% for hepatitis e antigen (HBeAg) positive mothers and from 10 to 40% for HBeAg-negative mothers. Maternal viraemia is a preeminent risk factor for vertical transmission of HBV. Maternal screening is the first step to prevent vertical transmission of HBV. Hepatitis B passive and active immunoprophylaxis at birth together with antiviral

Match Overview

1	Crossref 196 words Giuseppe Indolfi, Philippa Easterbrook, Geoffrey Dusheiko, George Siberry et al. "Hepatitis B virus infection in children..."	4%
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Author: Ka Wang Cheung, Terence Tzu-Hsi Lao **Publish Year:** 2020

Prevention of Hepatitis B Virus Vertical Transmission ... 1 min read

<https://pediatrics.aappublications.org/content/135/5/e1286> ▾

May 01, 2015 · Hepatitis B virus (HBV) continues to be a worldwide public health concern. There are more than 240 million people with chronic infection across the globe and 780 000 deaths each year as a result of acute or chronic HBV. 1 Infants born to mothers with chronic HBV infection are at very high risk of acquiring the virus and progressing to chronic infection. 2,3 In the 1970s–1980s, **HBV vaccine and high-titer HBV immune globulin (HBIG)** ...

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Author: Ravi Ramesh Jhaveri

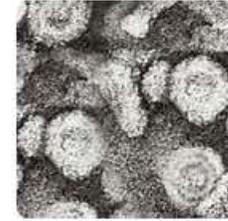
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What is the risk of HBV infection? ▾

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

Family: Hepadnaviridae

Genus: Orthohepadnavirus

Domain: Virus

Class: Revtraviricetes

Biological rank: Species

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Prevention of vertical transmission of hepatitis B virus ...

<https://pubmed.ncbi.nlm.nih.gov/9529668>

The perinatal **transmission of hepatitis B virus (HBV)** from mother to child can be effectively prevented by the combined administration of **hepatitis B immunoglobulins (HBIG)** and **hepatitis B vaccine (HB vaccine)** immediately after birth.

Author: K De Groote, P Van Damme, A Depretter... **Publish Year:** 1997

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Mar 07, 2020 · **Hepatitis B - Vertical transmission** and the **prevention** of mother-to-child **transmission**. ... **Hepatitis B virus (HBV) infection** is the commonest cause of chronic **hepatitis**, with an estimated global prevalence of 3.5%, and which leads to significant morbidity and mortality. **Mother-to-child transmission (MTCT)** during pregnancy is the leading form ...

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Several studies and meta-analyses support the efficacy of birth dose **HBV** vaccination and HBIG in **preventing vertical transmission of hepatitis B**. When compared to no intervention, a 2006 Cochrane review found that **HBV** vaccine plus HBIG dramatically decreased the risk of perinatal **transmission**, with a relative risk of 0.08. [18]

Core Concepts - Hepatitis B Online

www.hepatitisb.uw.edu/go/prevention-hbv/preventing-perinatal-transmission-hb...

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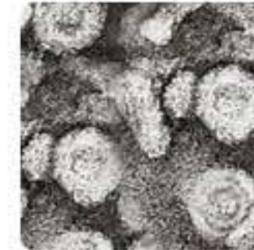
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Genus: Orthohepadnavirus

Domain: Virus

Class: Revtraviricetes

Biological rank: Species

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