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Neurological manifestations of hepatitis E virus infection: An overview

Neurological manifestations of hepatitis E virus infection

Abstract

The hepatitis E virus (HEV) is an important cause of repeated waterborne outbreaks of acute hepatitis. Recently, several extrahepatic manifestations (EHMs) have been described in patients with HEV infection. Of these, neurological disorders are the most common EHM associated with HEV. The involvement of both the peripheral nervous system and central nervous system (CNS) can occur together or in isolation. These patients can present with normal liver function tests, which can often be misleading for physicians. There is a paucity of data on HEV-related neurological manifestations; and these data are mostly described as case reports and case series. In this review, we

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Aug 01, 2017 · **Hepatitis E** is the most common cause of **hepatitis** worldwide. While originally considered a disease of developing countries, it is increasingly recognised in developed countries, probably related to contaminated pork meat, and where **infection** is often asymptomatic. However, several non-liver **manifestations** have become apparent, the most important of which are **neurological**...

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Author: Brendan N Mclean, James Gulliver, Harry ...

Publish Year: 2017

Extrahepatic manifestations of hepatitis E virus: An overview.

<https://www.ncbi.nlm.nih.gov/pubmed/31601068>

Oct 11, 2019 · **Guillain-Barré syndrome** and **neuralgic amyotrophy** are the most frequent neurological manifestations. In addition, HEV infection has been observed with other neurological diseases, such as encephalitis, myelitis and Bell's palsy. Hematologic manifestations include anemia due to glucose-6-phosphate dehydrogenase deficiency, autoimmune hemolytic anemia and severe thrombocytopenia.

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Publish Year: 2020

[PDF] Hepatitis E Virus and Neurologic Disorders

<https://wwwnc.cdc.gov/eid/article/17/2/pdfs/10-0856.pdf>

by **hepatitis E virus** (HEV) genotype 3 is emerging. During 2004–2009, at 2 hospitals in the United Kingdom and France, among 126 patients with locally acquired acute and chronic HEV genotype 3 **infection**, **neurologic** complications developed in 7 (5.5%): inflammatory polyradiculopathy (n = 3), Guillain-Barré syndrome (n = 1), bilateral

Review of neurological manifestations of hepatitis E infection

https://www.researchgate.net/publication/230796469_Review_of_neurological...

These include Guillain-Barre syndrome, brachial neuropathy, peripheral neuropathy, and Bell's palsy [166, [172] [173] [174] [175]. Extrahepatic hepatitis E disease has a global distribution, is ...



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[Neurological symptoms with a hepatitis E virus infection].

<https://www.ncbi.nlm.nih.gov/pubmed/27378260>

The infection usually proceeds asymptotically. Extrahepatic sequelae including neurological symptoms have been described. CASE DESCRIPTION: A 52-year-old man presented at the emergency department with **pain, muscle weakness** and **sensory disorders** in both shoulders and arms.

Author: J van de Wardt, T B G Olde Dubbelink, H... **Publish Year:** 2016

Hepatitis E virus infection - PubMed

<https://pubmed.ncbi.nlm.nih.gov/29154369>

Hepatitis E **virus (HEV) infection** can lead to **acute and chronic hepatitis** as well as to **extrahepatic manifestations** such as neurological and renal disease; it is the most common cause of acute viral hepatitis worldwide. Four genotypes are responsible for most infection in humans, of which HEV genoty ...
Hepatitis E virus infection

Cited by: 215

Author: Nassim Kamar, Jacques Izopet, Nicole Pav...

Publish Year: 2017

Extrahepatic manifestations of hepatitis E virus: An overview.

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Oct 11, 2019 · **Guillain-Barré syndrome and neuralgic amyotrophy** are the most frequent neurological manifestations. In addition, HEV infection has been observed with other neurological diseases, such as encephalitis, myelitis and Bell's palsy. Hematologic manifestations include anemia due to glucose-6-phosphate dehydrogenase deficiency, autoimmune hemolytic anemia and severe thrombocytopenia.

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Publish Year: 2020

What are the symptoms of hepatitis E?

- feeling tired
- nausea and vomiting
- poor appetite
- pain over the liver, in the upper part of the abdomen
- darkening of the color of urine
- lightening of color of stool
- yellowish tint to the whites of the eyes and skin, called jaundice

Reference: www.niddk.nih.gov/health-information/liver-disease/viral-hepatitis/hepatitis-e

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Hepatitis E virus

Causative Agent



The hepatitis E virus is the causative agent of hepatitis E. It is of the species Orthohepevirus A. The global burden of infections from the two major genotypes is estimated at 20 million per year, leading to 70,000 deaths and 3,000 stillbirths.

 Wikipedia

Higher classification: [Orthohepevirus](#)

Scientific name: Hepatitis E virus

Family: [Hepeviridae](#)

Domain: [Virus](#)

Phylum: [Kitrinoviricota](#)

Kingdom: [Orthornavirae](#)

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