

An Epidemiological study of acute viral Hepatitis caused by Hepatitis E virus in Surendranagar district, Gujarat

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An Epidemiological study of acute viral Hepatitis caused by Hepatitis E virus in Surendranagar district, Gujarat

Vidhi Motka, Tejas Choksi, Atul Shrivastav, Miral Dalsania, A. S. Agnihotri.

Department of Pathology, C. U. Shah Medical College, Dudhrej Road, Surendranagar, Gujarat

Abstract

Background:-In developing country like India, particularly Surendranagar of Gujarat state where there is inadequate safe drinking water and sewage disposal problem , Hepatitis E virus out-break is very common. This study was carried out to know the effect of unsafe drinking water, unhealthy sewage disposal & its impact on patient's health. **Objective :** To study clinical presentation and various laboratory parameters of acute viral hepatitis caused by Hepatitis E virus in Surendranagar district. **Materials and Method:** Retrospective study was carried out from Jan 2011 to March 2011. **Results:** In this study, total 1500 patient data were collected. Of them, majority of patients had higher Serum bilirubin and SGPT level. Serum bilirubin in patients was ranging from 1mg/dL to 45 mg/dL . SGPT was also higher ranging from 15 IU/L to >4000 IU/L. HEV Ig M by ELISA method was positive in 95% of all advised cases. They had symptoms of acute viral hepatitis like nausea, abdominal pain, jaundice, diarrhea and vomiting. **Conclusion:** For epidemic of acute viral hepatitis by Hepatitis E virus, unsafe drinking water, unhealthy sewage disposals are an important responsible factors and symptoms were similar to other viral hepatitis.

Key words: Acute viral hepatitis, Hepatitis E virus, Serum bilirubin, SGPT

Reference

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