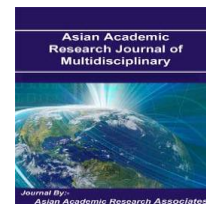




A Peer Reviewed International Journal of Asian
Academic Research Associates

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**ASIAN ACADEMIC RESEARCH
JOURNAL OF MULTIDISCIPLINARY**



FIRST EVIDENCE OF HEPATITIS E IN NORTH GARO HILLS DISTRICT OF MEGHALAYA

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Abstract

Hepatitis is a disease of liver inflammation, which may be due to viral or non viral causative agents. The causative agents of hepatotropic viruses are HAV, HBV, HCV and HEV. Where HAV and HEV transmitted through enteral route due to fecal contamination. The main aim of the study was to make an alert to the study district as well as the neighboring districts so that disease can not lead to an epidemic. The patient was reported to the Microbiology Laboratory with fever (at night), pain of whole body, headache, abdominal pain, yellowish sclera and weakness after eight days of onset as per the advice of physician. The patient was suspected as viral hepatitis by the treating physician. Blood sample was collected from the patient. Serum was separated from the clot vial after 20 minutes of collection with the help of centrifuge, micropipette, micro tips etc. All the probable viral hepatitis tests HAV, HBV, HCV and HEV were done and results showed positive for Hepatitis E. which was the first recorded viral Hepatitis E positive patient in the study district i.e. North Garo Hills of Meghalaya state. Epidemiological investigation was done by the authors at study area and house to house survey was done. Another five new similar cases were found in the study area during the investigation. Information was given to the district authority to prevent the transmission.

Keywords: Liver, HAV, HBV, HCV, HEV

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