



HP-03: Virological and epidemiological studies of Hepatitis B at Tobal's Brothers Hospital Mila- Algeria

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Subject description: Hepatitis B virus (HBV) is a major viral infection that causes inflammation of the liver which represents a major public health problem worldwide. Complications related to HBV infection, such as fibrosis, cirrhosis, and hepatocellular carcinoma, are major concerns.

Objectives: In our study, we investigated the disease at Tobal's Brothers hospital in Mila. We also carried out a retrospective statistical study, between January 20, 2021 and May 12, 2023.

Methods: Diagnosis of the disease is largely based on the immunoenzymatic ELISA technique. The retrospective study was based on the age, sex and seroprevalence.

Results and discussion: On several tested serums (for 3 months), only one case showed a positive result with the presence of anti-HBV antibodies.

The results of the study indicate that the seroprevalence of the disease reached 1.52% at the Public Establishment Hospital. In addition, it has been noticed that adults aged 15 to 40 are the most affected by HBV with a male predominance. On the other hand, the infectious diseases department was identified as being the most affected by the infection at the same establishment.

Conclusion: This observation highlights the importance of appropriate management of hepatitis B within this service and highlights its crucial role in the fight against this disease.

Keywords: Seroprevalence, Hepatitis B, ELISA test, diagnosis, Tobal's Brothers hospital - Mila.