



Evaluation of the hepatitis B virus in hepatitis B surface antigen by hepatitis B virus deoxyribonucleic acid measured with polymerase chain reaction

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Abstract

AIM: To evaluate whether the negative HBsAg inpatients carry HBV in the department of gastroenterology in our Hospital.

METHODS: The HBV DNA was measured with PCR technique in 119 negative HBsAg digestive inpatients and compared with negative HBsAg hepatitis inpatients.

RESULTS: The results showed that 52.1% of the digestive inpatients in the department of gastroenterology were positive HBVM (HBsAg, anti-HBs, HBeAg, anti-HBe and anti-HBc), and 30.3% HBV DNA was positive in the patients. These two indexes were markedly lower compared with hepatitis. The difference of the rate of positive HBV DNA in the two groups was only in the HBV infective model of negative HBVM.

CONCLUSION: The results suggested that there were HBV carriers in negative HBsAg inpatients in the department of gastroenterology, and positive HBVM patients of the two groups actually come from the same group.

Key words: Hepatitis B virus; DNA, viral; HBsAg; Polymerase chain reaction

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