

ABSTRACT

EVALUATION OF LAMIVUDINE AND TELBIVUDINE THERAPY ON CHRONIC HEPATITIS B PATIENTS IN GASTROENTEROHEPATOLOGY OUTPATIENT UNIT, DR. SOETOMO GENERAL HOSPITAL DURING 2014 – 2015

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Background : Chronic hepatitis B is a condition of hepatitis B with positive HBsAg assay for more than 6 months. To cure patients, some medications such as interferon, peg-IFN, and nucleoside analog have been given to patients worldwide. The evaluation of analog nucleotide therapy for chronic hepatitis B patient was based on several parameters, such as ALT normalization, undetectable HBV DNA, HBeAg loss, and formation of antibodies.

Objective : To evaluate effect of lamivudine and telbivudine therapy for chronic hepatitis B patient based on ALT, HBV DNA, and HBeAg loss in Dr. Soetomo General Hospital.

Method : This study is an analytic observational study and was carried out by evaluating secondary data from medical record, comparing pre and post therapy data in Gastroenterohepatology Outpatient Unit, SMF Internal Medicine, Dr. Soetomo General Hospital. Dependent variable of this study were HBV DNA, ALT titer, and HBeAg before and after intervention of lamivudine and telbivudine.

Result : Significant decrease of ALT and loss of HBV DNA in patient after receiving lamivudine and telbivudine for 24 months. Loss of HBeAg was found on more than 50% of total patient with HBeAg positive. There are no significant difference between lamivudine and telbivudine to the decrease of ALT and loss of HBV DNA. Loss of HBeAg between both groups were also similar.

Conclusion : Both lamivudine and telbivudine was effective for treatment of chronic hepatitis B patients, based on ALT, HBV DNA, and HBeAg loss in Dr. Soetomo General Hospital.

(Keywords : lamivudine, telbivudine, HBV DNA, ALT, HBeAg)