

ABSTRACT

FACTORS AFFECTING THE ANTI-HBsAg titers VARIATIONSON
THE PROVISION
OF POSTHEPATITIS B VACCINE IN PATIENTS SCKD on HD PREMIERE IN
HOSPITAL SURABAYA

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Hemodialysis patients are very susceptible to infection, which can decrease in immune response. Variations titers Anti HBSAg that occur in patients who routinely run Hemodialysis following administration of hepatitis B vaccine could be an increase, decrease or negative antibodies. Variations respon immune of antibodies in patients with CKD who received Hepatitis B vaccine at this time is influenced by several factors such as: increased levels of urea, albumin, increased levels of ferritin, and adequacy of HD. The aims of this study was to determine the factors that influence variations of Anti-HBsAg titers which increase in CKD patients who undergo routine Hemodialysis in Premier Hospital. This research uses descriptive method, by correlation analyzing data between elevated levels of urea, albumin, increased levels of ferritin, and adequacy of HD.

Descriptive correlation design was used in this study with cross sectional approach analytical, the number of hemodialysis patients in Premier Hospital as many as 36 people. The population in this study were 23 patients undergoing regular Hemodialysis in Premier Surabaya Hospital who met to the inclusion criteria. Result using purposive sampling technique. Researchers conducted a laboratory analysis of the results of urea, Anti HBSAg, ferritin, albumin in May to August, and analyzed the factors that influence variation of Anti HBSAg. Result of this study showed significant correlation between levels of urea in HD patients was very influential in the variation of Anti HBSAg post Hepatitis B vaccine with $p=0,28$, significant level $<5\%$, there were correlation between variation of Anti HBSAg and ferritin level with $p=0,040$, significant level $<5\%$, there were correlation between variation of Anti HBSAg and Albumin level with $p=0,326$, significant level $<5\%$, there were correlation between variation of Anti HBSAg and adequasi HD level with $p=0,285$, significant level $<5\%$,

The conclusion of this research was that the significant correlation exists between increased levels of urea, albumin, increased levels of ferritin, and adequacy of HD on variations of antibodies in patients with CKD who received Hepatitis B vaccine patient.

Key words : titer Anti HBSAg, CKD, Effect Hemodialisis