

ABSTRACT

DIFFERENCES OF SERUM IRON LEVELS & TIBC BASED OLD UNDERGO HEMODIALYSIS ON CHRONIC RENAL FAILURE (CRF) PATIENTS UNDERGO HEMODIALYSIS IN HEMODIALYSIS INSTALLATION DR.H. ABDUL MOELOEK LAMPUNG PROVINCE HOSPITAL 2012

By

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Chronic renal failure is a progressive development of renal failure and slow, where the kidneys lose the ability to maintain the volume and composition of body fluids. Hemodialysis (HD) is used as replacement therapy to replace kidney function has deteriorated and is the most commonly used therapy in patients with chronic renal failure. Patients with chronic renal failure (CRF) often suffer from anemia caused by several factors such as decreased production of erythropoietin, a blood loss and dietary restriction in dialysis therapy. The purpose of this study was to determine the differences in the levels of serum iron and TIBC by old undergoing hemodialysis in patients with chronic renal failure undergoing hemodialysis at the Dr. H. Abdul Moeloek Lampung province hospital. This research is analytic with a "cross-sectional" to know the differences in levels of serum iron and TIBC pre hemodialysis in patients with chronic kidney failure. In this research, the examination of blood samples of hemodialysis patients in

hospitals H. Abdul Moeloek grouped by old undergoing hemodialysis ie <1 year and ≥ 1 year. Data from the results of the statistical test to independent t-test and Mann-Whitney test. Samples were obtained based on inclusion and exclusion criteria in this study amounted to 48 patients. The results of the statistical test serum iron levels with unpaired t-test $p = 0.498$ obtained values ($p > 0.05$) and TIBC values obtained by Mann-Whitney $p = 0503$ ($p > 0.05$), indicating that there is no difference in the levels of serum iron and TIBC were significant in patients with chronic renal failure undergoing hemodialysis by old. On examination of serum iron (SI), obtained by 4 respondents (8.3%) had SI levels less than normal, 24 respondents (50%) had normal levels of SI and 20 respondents (41.7%) had higher levels of SI over normal. While the examination of the value of TIBC, 35 respondents (72.9%) had a less than normal TIBC and 13 respondents (27.1%) had a normal TIBC.

Key Words: serum iron, TIBC; old undergoing hemodialysis.