ABSTRACT

DIFFERENCES OF PRE AND POST HEMODIALYSIS LYMPHOCYTE LEVELS IN CHRONIC RENAL FAILURE PATIENT AT RSUD Dr. H. ABDUL MOELOEK LAMPUNG PROVINCE 2015

By

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Chronic renal disease is a structural or functional kidney damage for ≥ 3 months, with or without decreased glomerular filtration rate (GFR). One of therapy used in patient with chronic renal disease is hemodialysis. Patient undergoing hemodialysis found to have immunity disorder that can increase the risk of secondary infection. This abnormality is characterized by changes in number and function of lymphocyte. The aim of this study is to find out the differences of pre and post hemodialysis lymphocyte levels in chronic renal failure patient at RSUD Dr. H. Abdul Moeloek Lampung Province 2015.

Design of this study are descriptive – comparative analytic with cross-sectional approach involving 37 patients of chronic renal disease undergoing hemodialysis.

The result showed that the mean level of lymphocytes decreased by 298 ± 350,35413 after having a hemodialysis treatment. Based on these result, it was concluded that there is a significant differences of pre and post hemodialysis lymphocyte levels with p value = 0,000 (p<0,05).

Keyword: chronic kidney disease, hemodialysis, lymphocytes