THE INTERRELATED FACTORS OF ANEMIA LEVEL ON CHRONIC KIDNEY DISEASE PATIENTS POST DIALYSIS IN DIALYSIS UNIT OF BETHESDA HOSPITAL YOGYAKARTA

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ABSTRACT

Background of the Research: A Chronic Kidney Disease (CKD) is a kind of disease (or a renal failure) which shows significant number of rising evidence in recent years. A patient of chronic renal failure needs a renal succession therapy such as dialysis in order to make a longer life. When the disease is getting worst, the patient is generally suffering anemia as the effect of the renal damaged. The interrelated factors of the anemia level are: age, sex, the period of dialysis therapy, nutrition status, illness-stadium, and the enclose disease.

Significance of the Research: This research is conducted in order to know the interrelated factors of anemia level in chronic renal failure patients post dialysis.

Research Methods: This is a *non-experiment correlation* research with a cross sectional approximation. The research is conducted in the Dialysis Unit of Bethesda Hospital-Yogyakarta, from February to March 2009. The researcher uses *purposive sampling* with 30 respondents. The measurement instrument is observation sheets and *hemoglobin* tests. The data analysis is done through distribution frequency; *Kolmogorov-Smirnov* test for the *bivariate* analyses and *Logistic Regression* for the *multivariate* analyses.

Research findings: The research which was conducted on 30 respondents showed result of 93, 3% easy-anemia patients' sufferings. The age factor, sex, dialysis period, nutrition status, illness-stadium, and the enclose disease were statistically unrelated to the level of anemia, with $p > 0,05$. The statistic accounting of *logistic regression* showed that the illness-stadium was the most probable factor related to the level of anemia, with $p = 0,09$; $CI = 0,734 - 73,248$; $Exp(B) 7,333$.

Conclusion: The age factor, sex, dialysis period, nutrition status, illness-stadium, and the enclose disease were statistically unrelated to the level of anemia, but the most probable factor related to the level of anemia was the illness-stadium.

Keywords: Chronic Kidney Disease, Anemia Level, Dialysis