

THE EFFECT OF FREQUENCY AND DURATION OF HEMODIALYSIS ON THE QUALITY OF LIFE OF PATIENTS WITH CHRONIC RENAL FAILURE UNDERGOING HEMODIALYSIS

Rusnoto, Subari

School of Health Sciences Muhammadiyah Kudus

ABSTRACT

Background: Patients experiencing hemodialysis for a long time have to face various problems, like financial, difficulty to work, plummet sexual desire, anxiety, fear, depression, and life style change. These problems can influence the quality of patient's life. This study aimed to examine the effect of frequency and duration of hemodialysis on the quality of life of patients with chronic renal failure undergoing hemodialysis.

Subjects and Method: This was a cross-sectional study conducted at Sunan Kudus Islamic Hospital, Kudus, Central Java. A sample of 60 patients with chronic renal failure who had been undergoing a series of hemodialysis was selected for this study. The dependent variable was quality of life. The independent variables were frequency and duration of hemodialysis. The data were collected by questionnaire and analyzed by a multiple logistic regression.

Results: The quality of life in patients with chronic renal failure decreased with higher frequency (OR= 0.24; p= 0.021) and longer duration (OR= 0.35; p= 0.001) of hemodialysis.

Conclusion: The quality of life in patients with chronic renal failure decreases with higher frequency and longer duration of hemodialysis.

Keywords: quality of life, hemodialysis, frequency, duration, chronic renal failure

Correspondence:

Rusnoto. School of Health Sciences Muhammadiyah, Kudus, Central Java.

Email: rusnoto@stikesmuhkudus.ac.id. Mobile: 081225057052