

Pruritus and long-term hemodialysis among patients with chronic renal failure

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ABSTRACT

Patients with hypertension and diabetes are at risk of developing chronic kidney failure. A common occurrence in patients with chronic kidney disease is pruritus. Pruritus can affect all parts of the body, which can have an emotional impact on the patient, affect the quality of sleep and mood of the patient, and cause discomfort. The study's goal was to determine whether there was a long-term link between hemodialysis and the onset of pruritus among patients with chronic renal failure who were receiving hemodialysis. Quantitative research with the cross-sectional method. A total of 45 patients are in the RSI Sultan Agung Semarang Hemodialisa Unit, Central Java, Indonesia. The instrument in this study was the 5D pruritus scale. Data analysis was done using SPSS version 24. The Spearman rank test was conducted to test the relationship between two variables of the study, namely the duration of hemodialysis and the occurrence of pruritus. The study was conducted in April–June 2022, along with the ethical test. The results of the study obtained a p value of $0.004 \leq 0.05$, which means there is a relationship between long-term hemodialysis and the occurrence of pruritus in patients with chronic kidney failure. In conducting treatment, it is important to pay attention to basic needs and comfort, as well as implement pruritus management.

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1. INTRODUCTION

The prevalence of chronic kidney failure is rising and is now recognized as a significant global health issue. According to data from the Global Burden of Disease, renal failure was ranked as the 18th leading cause of death in 2017. According to medical records at the Sultan Agung Semarang Hospital, the number of patients with chronic kidney failure continued to increase in 2017: by 1,887 people; in 2018: by 2,185 people; and in 2022: by 2,473 people. The number of patients undergoing hemodialysis in Central Java was 2,580. In addition to being one of the leading causes of deaths, kidney failure will be the fifth-highest cause of death globally by 2040. Among high-income countries, chronic kidney failure is one of the top 10 causes of death in Singapore, Greece, and Israel [1].

Unhealthy lifestyles such as consuming supplement drinks are thought to be a trigger for an increase in the incidence of chronic kidney failure. The effect of chronic kidney failure is anemia [2], [3]. Patients with hypertension and diabetes are at risk of developing chronic kidney failure without having to be diagnosed with early kidney disease. This model uses regularly available physical and laboratory examination data and can predict the risk of short-term kidney failure with high accuracy [4]. According to research conducted by Yembarwar [5], hypertension precedes the development of chronic kidney failure [5].

Long Term Hemodialysis The Management Of The Patient With Chronic Renal Failure

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