



Research article

Characteristics and quality of life of patients with stage 5 chronic kidney disease admitted to a hospital

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Abstract

Background: Chronic Kidney Disease (CKD) is a global health problem with high morbidity, mortality and therapeutic costs. Patients with CKD have various complications that affect their Quality of Life (QoL). The aim of this study was to determine the QoL of stage 5 CKD patients undergoing hemodialysis treated with erythropoietin in Haji Adam Malik (HAM) Hospital Medan. **Methods:** A prospective cohort study was conducted to analyze QoL of stage 5 CKD patients with BPJS insurance claims undergoing hemodialysis (n = 88) admitted to HAM Hospital Medan period August to October 2017. The patient's characteristics were descriptively analyzed. Their QoL was analyzed using SF-36 instrument with 9 dimensions (physical function, physical limitations, emotional, energy, well-being, social function, pain, perception of general health, and health changes). All data were organized in Microsoft Excel and SPSS version 16. The relationship between their QoL, diagnosis, and comorbidities was analyzed by Chi-square. The patient's QoL scores (in %) were categorized: very good ≥ 80 ; good 75- <80; fair 60- <75, poor <60. **Results:** Most (59%) of the patients were male. The patient's age was 48.74 ± 14.06 (years). There was a relationship between the QoL of the patients with diagnosis and comorbidities ($p = 0.039$). The average QoL of the patients (in %) was 47.01 ± 18.41 . Most (71.7%) of the patients had poor QoL. **Conclusion:** Quality of Life of the patients was classified as poor category.