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## **RELATIONSHIP BETWEEN LENGTH OF DIALYSIS AND QUALITY OF LIFE IN HEMODIALYSIS PATIENTS**

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**Objectives:** Hemodialysis (HD) is a frequent renal replacement therapy (RRT) used in patients with chronic kidney diseases (CKD). Most patients undergoing HD for long time and this routine may affect their quality of life (QoL) because it is time consuming, requires strict diet and has adverse effects. In this study, we aimed to investigate the relationship between length of dialysis and QoL in CKD patients.

**Methods:** A total of 192 HD patients were enrolled in this cross-sectional study. It was conducted from September-October 2019 in Surakarta, Indonesia. There were 51 patients underwent HD less than a year, 64 patients for 1-3 years, 31 patients for 4-5 years, and 46 patients for more than 5 years. Quality of life (QoL) was assessed using validated Kidney Disease Quality of Life Short Form-36™ (KDQOL-36™). The result was analyzed with bivariate analysis, p value < 0.05 considered significant.

**Results:** Mean age of subjects was  $52.55 \pm 10.98$  years. Our results showed that patients who underwent HD for less than a 1 year have greater mental and physical health, also a lower burden of kidney disease affecting their lives. However, there was no significant difference in QoL between patients who had recently treated with HD (<1 year) and patients who had been on HD for a longer time (>1 year) ( $p>0.05$ ).

**Conclusions:** Length of dialysis does not affect QoL of patients with CKD. Hence, patients with chronic disease tend to have low QoL due to other various factors. Further study should be conducted regarding the other factors affecting the QoL of CKD patients.