

Quality of Life Among Peritoneal Dialysis Patients: A Cross-sectional single-centre experience

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ABSTRACT

Introduction: The quality of life of dialysis patients with end-stage renal disease has a significant impact on their prognosis. Renal dialysis is the most commonly used treatment for end-stage-renal disease patients.

Objective: To determine the impact factors affecting the quality of life in end stage renal disease patients, treated with peritoneal dialysis in Riyadh, Kingdom Saudi Arabia.

Method: This cross-sectional research involved patients with end-stage-renal disease who underwent peritoneal dialysis at Riyadh, Saudi Arabia, between June and July 2021. Patients that had been on dialysis for ≥ 1 year were included. The Arabic version of the Quality-of-Life Index–Dialysis (QLI-D) version III was used.

Results: A total of 37 respondents completed the questionnaire. The QLI score was 21.80 ± 4.4 , while the subscales for health and functional, social and economic, psychological/spiritual, and family were 19.35 ± 4.9 , 21.52 ± 5.4 , 24.23 ± 4.9 , and 25.74 ± 4.7 , respectively. Diabetes is significantly correlated with health and functional subscale ($p=0.046$) while cardiovascular disease is significantly associated with psychological/spiritual subscale ($p=0.001$). No association was found between socio-demographic characteristics and QoL ($p>0.05$).

Conclusion: Patients demonstrated relatively high scores in quality-of-life index as well as in four subscale scores. This study revealed that patients were most satisfied with their family subscale while being least satisfied with their health and functional subscale.

Keywords: end-stage renal disease, peritoneal dialysis, quality of life, cardiovascular disease, diabetes, cross-section

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