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Editorial Comment: Health-Related Quality of Life in Hemodialysis Patients: An Iranian Multi-Center Study

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Dear Editor,

Psychosocial aspects of health have a significant impact on the clinical outcomes of patients with end stage renal disease (ESRD) on hemodialysis (HD) (1, 2). Quality of life (QOL) is a potentially modifiable risk factor for mortality in this patient population. Mapes et al. (3) previously showed that lower health related quality of life (HRQOL) scores are associated with higher hospitalizations and increased mortality in dialysis patients. The mental and physical component summary (MCS, PCS) scores and kidney disease composite summary (KDCCS) score are frequently used to assess HRQOL throughout the world. However, there is limited data on the QOL of ESRD patients from the Middle East.

Rostami et al. (4) recently performed a cross-sectional study designed to evaluate the perception of QOL in 6,930 chronic HD patients from Iran. This study is important, as it is the largest comprehensive data collection addressing HRQOL of HD patients in Iran. An Iranian adapted version of the kidney disease QOL short form version 1.3 (KDCCS-SF1.3) questionnaire was used. This instrument was previously validated in general medical patients in Iran (5). They compared PCS, MCS and KDCCS scores of their patients with 19 similar studies performed in America, Europe and Asia between 1996 and 2010. Patients with acute illnesses requiring hospitalization and vascular access failure requiring temporary catheter placement were excluded from the study. PCS and MCS scores were slightly higher than the overall results while KDCCS was slightly lower than the overall results.

A significant limitation of the study is that the majority of patients had a low literacy rate which could potentially skew the results of this questionnaire. The Iranian adapted version of the questionnaire was previously validated in healthy individuals in Tehran which may have higher literacy rate than the rest of the country (5). The study also did not have a control group of general medi-

cal patients to compare the results of the QOL scores.

Dialysis adequacy as defined by a Kt/V between 1 and 1.2 was associated with a lower rate of hospitalization. As with many clinical variables, there is also a J-shaped relationship between URR and survival in HD patients (6). Adverse outcomes observed among patients with a higher URR and KT/V may reflect lower body mass and malnutrition which should prompt a nutritional status evaluation (7).

Despite potential differences in culture and perceptions of QOL, this study suggests that the QOL of Iranian HD patients are similar to that of ESRD patients from other countries. Prospective studies are needed to better understand the impact of HD on the QOL of ESRD patients. Interventions to improve the QOL of ESRD patients around the world are urgently needed.

Authors' Contribution

Both authors equally contributed to preparing the manuscript.

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