

Sexual dysfunction in relation to dialysis adequacy in haemodialysis patients

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The aim of this study was to investigate the possible value of KT/V and PCR in the prediction of sexual dysfunction in both male and female haemodialysis patients.

Sixty patients (48 male and 12 female) with primary end stage renal failure under regular haemodialysis treatment (30 under twice 6 hourly / week and 30 under thrice 4 hourly / week) with age range 22-67 years and duration of dialysis range 6-132 months were randomly selected from the dialysis Units of Ain Shams University Hospitals

and El-Bakry General Hospital. All Patients were subjected to the following steps: (1) Full history and routine clinical examination. (2) Sexual function questionnaire applied before and after the start of dialysis. (3) Zung's scale for depression and Taylor's test for anxiety.

(4) Predialysis blood urea, serum creatinine, haemtocrite value. (5) Calculation of KT/V. (6) Calculation of protein catabolic rate (PCR).

The statistical analysis of this work was done using personal computer with t-student test and r-test for correlations.

Results: The only significant correlation detected was as positive one between age of the patient and disturbance in each of sexual petting, orgasm in female or ejaculation and erection in male.

Conclusion: The parameters recently used to assess dialysis adequacy as KT/V and PCR are not sufficient to judge the sexual life of haemodialysis patients and that should be separately assessed and investigated to ensure general well being of these patients.