

Abstract

Title: Relationship of neuropathy in Chronic dialysis Patients with Renal Efficacy, 2004

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Background: Uremic polyneuropathy occurs in about half of patients undergoing dialysis and it is characterized by axonal degeneration with secondary segmental demyelination. The aim of this study is to evaluate the relationship between neuropathy with length of hemodialysis and renal efficacy in chronic dialysis patients.

Methods: In over a one year period, 60 limbs of 30 patients under hemodialysis were examined. EMG and NCV were performed on all patients. Urea level determined in the patients blood samples before and after dialysis. KT/V methods were used to determine the adequacy of dialysis. Data were analyzed using SPSS software.

Results: 30 patients (56.7% male and 46.7% female) were studied. The age range of patients was between 24 to 78 years (Mean: 54.17 ± 14.31). Mean of dialysis duration was 33 months. 60% of patients had normal physical examination. EMG showed that 40% of patients had carpal tunnel syndrome. (33.4% Mild, 3.3% Moderate, 3.3% Sever. In 56.7% patients KT/V had higher than 1.2 (Normal), 16.7% 1-1.2 (Acceptable) and 16.7% less than 1 (non Acceptable).

Discussion: This may be due to short duration of dialysis time and lack of relation between the length of renal failure and the length of dialysis

Conclusion: There is no significant between length of hemodialysis and dialysis efficacy with Neuropathy (CTS).

Key words : Carpal Tunnel Syndrome - Neuropathy- Chronic dialysis patient Renal Efficacy