ABSTRACT

“MODIFICATION OF SODIUM DIALYSATE LEVEL ASSOCIATED WITH PHASE ANGLE IN REGULAR HEMODIALYSIS PATIENTS”

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Background: Uncontrolled blood pressure and persistant overload extracelluler fluid caused by the positif balance of sodium and water, is the contributor of left ventricular hipertrophy in hemodialytic patients and will influeate to cell integrity. Sodium dialysate level modification is one of the method to solve this matter. Phase angle is the method to examine the cell integrity in hemodialysis patients.

Aim: To determine the correlation between modifications of sodium dialysate with phase angle in regular hemodialysis patients

Methods: An experimental study design from May 2014 until December 2014 in 28 regular hemodialysis patients. By comparing phase angle at pre hemodialysis before and after sodium dialysate modification

Results: Of the 28 subjects, we found 16 male patients (57.1%) and female 12 patients (42.9%) with mean phase angle after sodium dialysate modification just a little higher (5.83) than before modification (5.80). But there is no significant difference in statistic (p=0.145)

Conclusion: There is no significant difference in phase angle between before and after sodium dialysate modification.

Keywords: Hemodialysis, modification of sodium dialysate, phase angle.