effect of increasing speed of blood flow on pruritus intensity and effective risk factors in hemodialysis patient

Thesis for a master's degree in medical surgical nursing

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Abstract

Title: effect of increasing speed of blood flow on pruritus intensity and effective risk factors in hemodialysis patient”

Background: Pruritus is an unpleasant sensation that elicits frequent scratch and may be different disease such as chronic renal failur causes pruritus according to research in different countries it has been found 55-59% of patients undergoing hemodialysis also it has reported two way localize and general that many problems for patients.

Method: In a quasi-experimental design, 60 hemodialysis patients in three hospital of Tehran University of Medical science in 2011 were chosen. This patients dialysed 3 days per week for 4 hours. Increased blood flow rate In the experimental group patients(n=30) in two step( first 7 week 40mil/min and 4 week 55 mil/min) but control group don’t receive any treatment. Collected data by questionnair at the before of experiment, after two and four weeks. also Biochemical variable measured at the before of experiment, after two and four weeks. Data a analysed by Fisher exact test, T test, X^2 and repeatmeasurment and ssp-s-18.

Results: the results indicated that pruritus severity between both groups control and intervention after two and four weeks the diffrence was significant(P=.01, P=.01) also pruritus frequency and sleep disturbance after four weekes indicated the diffrence significant between both groups(P=.01, P=.01) but biochemical variable not indicated the diffrence significant exept calcium that after 1 week had diffrence significant(P=.01).

Conclusion: increasing blood flow rate is a non drug treatment method for decrease pruritus severity in hemodialysis patients. In order to promote pruritus severity patients, care givers should identify strategies of decrease of pruritus.

Key Words:Hemodialys, Pruritus, Blood flow rate