

A Correlative Study of Demographic Profile, Disease Characteristics and Fatigue among Female Patient in Long-term Hemodialysis.

Pi-Chih Yang Yu-Ying Lu Lee-Ing Tsao**
Hung-Hsiang Lion*** Lai-King Yeung*****

Abstract

Aim: The aim of this cross-sectional study was to investigate the relationship between the demographic profile, disease characteristics and fatigue among women in long-term hemodialysis.

Methods: The convenience sampling method and structured questionnaires were adopted to investigate fatigue among 130 women receiving hemodialysis at a regional teaching hospital in northern Taiwan. The structured questionnaires included demographic profile, disease characteristics, and Revised-PFS-Chinese Version. Statistical analyses consisted of descriptive and inferential statistics using SPSS 17.0 statistical software.

Results: The study subjects showed a moderate level of fatigue ($M=109.35+38.62$, $Range=31-185$); PFS of these women receiving dialysis differed by age, education, occupation, menstrual status, sleep disorders, the number of arteriovenous operations, with or without chronic disease and serum albumin ($p < .05$); Predictors of higher PFS were having sleep disorders, older age, and lower educational level ($F= 2.59$, $p < .01$). Higher PFS predictors explained 35% of the total variance.

Conclusions: The results of this study can help healthcare workers understand the level of fatigue in women receiving dialysis and the important predictors of fatigue. The knowledge can be used as a guide for designing interventions and related research in the future.

Key words: Hemodialysis, Woman, Fatigue

Nurse, Hemodialysis Room, Institute for Catholic Cardinal Tien Hospital

RN, PhD, assistant Professor, School of Nursing, National Taipei University of Nursing*

RN, DNSc, Professor, School of Nursing, National Taipei University of Nursing and Health Sciences**

Director of nephrology, Hemodialysis Room, New Zhuangxin Ren Hospital***

Director of nephrology, Hemodialysis Room, Institute for Catholic Cardinal Tien Hospital****

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Correspondence : Yu-Ying Lu, No.365, Ming-te Road, Peitou District, Taipei, ROC

Telephone : (02) 28227101 ext 3810; 3193 E-mail : yuyin@ntunhs.edu.tw