

WHICH NURSES HAVE MORE WORK RELATED STRESS: HEMODIALYSIS OR PERITONEAL DIALYSIS NURSES?

AYTEN KARAKOC¹, MURVET YILMAZ², NILUFER ALCALAR³, BENNUR ESEN¹, HASAN KAYABASI¹, DEDE SIT¹

¹ BAGCILAR TRAINING AND RESEARCH HOSPITAL, ISTANBUL, TURKEY

²BAKIRKOY DR. SADI KONUK TRAINING AND RESEARCH HOSPITAL, ISTANBUL, TURKEY

³ISTANBUL MEDICAL FACULTY, ISTANBUL, TURKEY

Background

Workload, patient responsibility, providing health care for severe and fatal disease, provide emotional support to the patient and his / her relatives when necessary causes stress and tension who works in health industry.

This study was planned to identify the factors that causing stress and compare the work-related tension to conditions between hemodialysis (HD) and peritoneal dialysis (PD) nurses.

Material and methods

224 dialysis nurses (209 women, 15 men) working in public and university hospitals participated in the observational, multicenter study. Socio-Demographic Information Form and Job-Related Tension Scale including descriptive characteristics of nurses were used to collect data.

A total of 224 dialysis nurses (143 HD and 81 PD nurses) participated in the study.

Work-related stress score was significantly higher in HD nurses is 37.97 ± 6.7 ($p = 0.007$). Gender, health problem, weekly study period, job satisfaction at the university, administrative were different support, participation in vocational training affected job related tension scores (table 1). In contrast, there was no difference in age, marital status, having a child, education level, career duration, hobbies, work shift, participation in social activities, sleep quality and work-related stress scores (Table1).

Conclusion

In this study, work-related tension is found in dialysis nurses, especially in HD nurses, and is influenced by various factors. It is assumed that dialysis nurses will be an intermediary in taking institutional and individual measures to reduce work-related tension by determining work-related tension levels and the factors affecting them.

Table 1. Factors effecting job related tension in dialysis nurses

		Job related tension	P
Gender	Female	36,6±6,16	0,015
	Male	43,47±9,58	
Age (years)	20-30	37,17±7,42	0,998
	30-40	37,1±6,71	
	40-50	37,13±5,19	
	>50	25±0	
Educational level	High school	37,82±7,74	0,433
	Associate d degree	37,22±7,12	
	Undergraduate education	36,61±6,1	
	Post-graduate	40,38±6,99	
Marital status	Married	37,03±6,69	0,414
	Single	37,14±6,56	
Children	Yes	36,75±6,5	0,414
	No	37,49±6,85	
Hobby	Yes	36,77±6,5	0,236
	No	38,02±7,06	
Health problems	Yes	38,59±6,89	0,018
	No	36,35±6,42	
Time in Job	0-3	38,6±7,21	0,714
	4-7	36,93±7,22	
	8-10	36,32±7,64	
	>10	36,99±6,33	
Work hour in a week	40 hours	36,96±6,91	0,039
	45hours	39,47±7,23	
	>50hours	39,47±7,23	
Work shift	Yes	37,36±7,05	0,547
	No	36,82±6,32	
Change Unit	Want	42,21±6	0,001
	Dont want	36,29±6,4	
Administrator support	Yes	36,14±6,01	0,001
	No	42,03±7,7	
Training programe support	Yes	36,24±6,34	0,001
	No	39,92±6,93	
Social activities	Yes	37,51±6,65	0,088
	No	35,62±6,45	
Need for sleep	A lot	39,59±6,61	0,088
	Few	36,74±6,36	
	No	36,51±7,25	