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## The Frequency of Fibromyalgia Syndrome and the Quality of Life in Patients with Peritoneal Dialysis

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### ABSTRACT

**Objective:** The aim of this study was to determine the frequency of fibromyalgia (FM) in patients on Peritoneal Dialysis (PD) and to investigate its impact on the quality of life of that population. **Methods:** A hundred and twenty four patients with end stage renal disease who had undergone PD, and a control group of 54 age and sex-matched healthy volunteers were included to the study. Demographic characteristics including age, sex, disease and dialysis duration were recorded. Fibromyalgia Impact Questionnaire (FIQ) and Nottingham Health Profile (NHP) were also measured. **Results:** The mean age of the patients (68 female, 56 male) and control subjects (36 female, 18 male) were  $43.5 \pm 13.4$  and  $41.2 \pm 9.2$  years respectively. The prevalence of FM in the PD patients and controls were determined as 9.7% (12 patients) and 11.1% (6 controls) respectively and were found to be similar ( $p = 0.983$ ). The mean score of sub-groups of NHP except pain and emotion subgroups, were significantly higher in PD patients than in the control group. The mean FIQ levels, the scores of all the subgroups of NHP except the social subgroup were significantly higher in PD patients with FM than in those without FM. **Conclusion:** In conclusion although the prevalence of FM appears to be similar in PD patients and control subjects, the functional disability is common and quality of life is worse in PD patients with FM than in patients without FM. Detection and treatment of FM may lead to improvement in the quality of life of PD patients with this syndrome.

### KEYWORDS

Fibromyalgia; Dialysis; Chronic Kidney Disease; Quality of Life

### Cite this paper

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