COMPARISON OF SLEEP, FATIGUE AND SEXUAL PARAMETERS OF RHEUMATIC DISEASES

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Background: Chronic pain, sleep, and fatigue are common complaints in rheumatic disease (1). However, each rheumatic disease has different characteristics. So that it can be thought that individuals can be affected by different diseases in different ways (2). Objectives: The aim of this study is to compare sleep, fatigue and sexual parameters in different rheumatic diseases. Methods: Individuals diagnosed with Rheumatoid Arthritis (RA), Ankylosing Spondylitis (AS) and Fibromyalgia (FMS) who applied to the Rheumatology Department of the Medical Faculty of Hacettepe University were included in the study. After the demographic characteristics of the individuals were recorded; sexual function, sexual willingness, fatigue, and sleep features were assessed with 11th, 27th, 29th and 30th items of BETY-Biopsychosocial Questionnaire (BETY-BQ) which is developed in rheumatic patients (3).

Results: 160 RA, 108 AS, and 131 FMS patients were included in the study. The scores of individuals on scales are shown in Table 1. There was no statistically significant difference among the three groups in terms of BMI (p>0.05), while the mean age of RA patients was statistically different from the other two groups (p <0.05). The sleep, fatigue and sexual parameters (sexual function, sexual willingness) were examined with Kruskal Wallis analysis. When analyzed in terms of differences according to RA, AS and FMS, the responses to sleep (p=0.015) and sexual functioning (p=0.003) were found different according to the diseases. However, there was no significant difference in the sexual willingness (p=0.248) and fatigue (p=0.708) related to the disease. Mann-Whitney U test was performed to test the significance of a pairwise difference using Bonferroni correction to adjust for multiple comparisons revealed that the difference between the groups was due to RA patients (Table 2).

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EFFECTS OF MORNING STIFFNESS ON THE PSYCHOSOCIAL AND FUNCTIONAL STATUS OF PATIENTS WITH JUVENILE IDIOPATHIC ARTHRITIS

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Background: Juvenile Idiopathic Arthritis (JIA) is a chronic childhood autoimmune disease that has significant implications on a child’s physical health and psychosocial integration (1). Common symptoms of JIA include pain, joint stiffness, joint swelling, fatigue, and decreased physical function (2,3). Objectives: The aim of this study is to investigate the effects of morning stiffness on the psychosocial and functional status of patients with JIA. Methods: 387 JIA patients were included in this study. To determine the functional status of the patients’ functional subscale of The Juvenile Arthritis Biopsychosocial-Questionnaire (JAB-Q) and Childhood Health Assessment Questionnaire (CHAQ) were used. Psychosocial subscale of JAB-Q was used to assess psychosocial status. Finally, morning stiffness was measured as “less than 30 minutes”, “between 30 minutes and 1 hour” and “more than 1 hour”. Results: A total of 162 boys and 225 girls participated in the study (Table 1). The effect of morning stiffness on functional and psychosocial status was examined with Kruskal Wallis analysis. There were statistically significant differences between the functional status (CHAQ Total, p=0.001; CHAQ General VAS, p=0.012; CHAQ Pain VAS, 0.001; Function JAB-Q, p<0.001) of the patients and the duration of morning stiffness. However, there was no significant difference between the duration of morning stiffness and psychosocial status. Mann-Whitney U test was performed to test the significance of a pairwise difference using Bonferroni correction to adjust for multiple comparisons revealed that the difference between the groups was due to the morning stiffness duration “less than 30 minutes” group (Table 2).

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REFERENCES

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THE INVESTIGATION OF THE RELATIONSHIP BETWEEN PSYCHOSOCIAL STATUS OF CHILDREN WITH JIA AND PARENTS

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