AB0317  DO MECHANICAL AND INFLAMMATORY RHEUMATOLOGIC DISEASES LEAD TO THE SAME SLEEP DISORDERS?
W. Hamdi, M. Boudokhane, I. Cherif, D. Kaffel, K. Maatallah, M. Kchir. Rheumatology, Kassab Institute, Tunisia, Tunisia

Background: Sleep disorders are frequent feature of chronic rheumatologic diseases. They are reported in inflammatory diseases as well as in mechanical disorders but they are not systematically assessed by clinicians. It is necessary to identify the frequency and factors associated to sleep problems in order to reduce their impact on patients’ quality of life.

Objectives: We aim to describe the sleep pattern in inflammatory and mechanical chronic rheumatologic diseases and to assess factors associated with sleep disorders.

Methods: We conducted a cross-sectional study during 1 year including Tunisian patients with chronic inflammatory rheumatism (rheumatoid arthritis: RA according to the criteria ACR 1987 and axial spondyloarthritis: AS according to modified NEW YORK criteria) and patients with mechanical disorders (chronic low back pain and primitive knee osteoarthritis). Sleep has been evaluated by the MOS-SS questionnaire. For each group specific disease parameters were assessed at the same time of the administration of the questionnaire.

Results: We collected 120 patients with chronic inflammatory rheumatism (group 1) and 80 patients with mechanical disorder (group2). Group 1 was composed of 70 RA and 50 SPA including 65 women and 55 men. The average age was 46.95 [18.75]. Group 2 was composed of 40 chronic low back pain and 40 primitive knee osteoarthritis including 48 women and 32 men. The average age was 51.95 [18.82]. Sleep disorders were frequent in both groups, but they were more noticeable in Group 1 patients than Group 2 patients 53.68% vs 26.38% (p<0.00). Risk factors for sleep disorders in rheumatoid arthritis were disease activity (p<0.00) and functional impairment (p<0.00). In patients with spondylarthropathy, risk factors for sleep impairment were disease activity (BASDAI (p<0.00), ASDAS vs (p=0.01) et ASDAS CRP (p<0.00)) and impaired quality of life (p<0.00). The factors involved in sleep disorders in chronic low back pain was the reduced lumbar spine mobility assessed by the finger-to-ground distance (p<0.00) and the Schober index (p<0.01) and functional impairment assessed by Effel questionnaire (p<0.00). In patients with knee osteoarthritis the Lequesne index (p=0.008), the knee extension limitation (p<0.00) and the radiological damage (p=0.004) were associated to sleep impairment.

Conclusions: Our results illustrate the frequency of sleep disorders in chronic rheumatic diseases. They should not be under estimated in patients with mechanical disorders. A better control of the factors associated to sleep impairment for each disease should help promoting a better sleep quality in patients with chronic rheumatologic diseases.

Disclosure of Interest: None declared

AB0318  ARE PATIENTS EXPERIENCING DIFFERENT SORT OF FATIGUE DEPENDING ON THE TYPE OF CHRONIC RHEUMATISM?
W. Hamdi, M. Boudokhane, I. Cherif, D. Kaffel, K. Maatallah, M. Kchir. Rheumatology, Kassab Institute, Tunisia, Tunisia

Background: Fatigue is frequently reported by patients with inflammatory chronic diseases as well as in mechanical rheumatologic disorders. But it’s not recognized and treated as priority by clinicians. It is necessary to identify the frequency of this symptom and to determine it’s impact on the quality of life of patient.

Objectives: We aimed to assess ando to compare the frequency and the intensity of fatigue between inflammatory and degenerative chronic rheumatologic diseases, and to identify the factors correlated with fatigue in these diseases.

Methods: We conducted a cross-sectional study during 1 year including Tunisian patients with chronic inflammatory rheumatism (rheumatoid arthritis: RA according to the criteria ACR 1987 and axial spondyloarthritis: AS according to modified NEW YORK criteria) and patients with mechanical disorders (chronic low back pain and primitive knee osteoarthritis). Fatigue was assessed by the Chalder questionnaire including physical and mental fatigue. Rest was the frequency of sleep disorders and factors associated with chronic inflammatory rheumatism (group 1) and 80 patients with mechanical disease (group2). Group 1 was composed of 70 RA and 50 AS including 65 women and 55 men. The average age was 46.95 [18.75]. Group 2 was composed of 40 chronic low back pain and 40 knee osteoarthritis including 48 women and 32 men. The average age was 51.95 [18.82]. Fatigue was more significantly observed in group 1 than in group 2: 8.40% vs 5.54% (p<0.00). Mental and physical fatigue was noted in 2.1% and 6.25% in group 1 and 1.0% and 4.49% in group 2, respectively. The risk factors for fatigue were in the RA th et swollen joint count, the DAS 28 and the HAQ. In AS, factors associated to fatigue were the visual scale of pain, BASFI, BASDAI, ASDASsel and CRP. In the chronic low back pain fatigue was associated by the functional impairment assessed by the Effel questionnaire. Finally knee in osteoarthritis fatigue was associated to Lequesne index and radiological stage.

Conclusions: Fatigue seems to be a frequent symptom in rheumatic diseases and mostly associated to severity and activity of the disease.

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AB0319  MOOD DISORDERS AND CHRONIC RHEUMATOLOGIC DISEASES: ABOUT 200 CASES
W. Hamdi, M. Boudokhane, I. Cherif, K. Maatallah, D. Kaffel, M. Kchir. Rheumatology, Kassab Institute, Tunisia, Tunisia

Background: Mood disorders are frequently associated to chronic diseases. They are reported in inflammatory diseases as well as in mechanical rheumatologic disorders but they are not systematically recognised and assessed by clinicians. It is necessary to identify the frequency of moods disorders in order to reduce their impact on patients’ compliance to treatment.

Objectives: The aim of this study was to assess the impact of chronic rheumatologic diseases on the mood of patients by comparing inflammatory and mechanical diseases and to identify factors correlated with anxiety and depression.

Methods: We conducted a cross-sectional study during 1 year including Tunisian patients with chronic inflammatory rheumatism (rheumatoid arthritis: RA according to the criteria ACR 1987 and axial spondyloarthritis: AS according to modified NEW YORK criteria) and patients with mechanical disorders (chronic low back pain and primitive knee osteoarthritis). Anxiety and depression were assessed by the BAI (Beck anxiety index) and the BDI (Beck depression index), respectively.

Results: We included 120 patients with chronic inflammatory rheumatism (group 1) and 80 patients with mechanical disease (group2). Group 1 was composed of 70 patients with RA and 50 patients with AS including 65 women and 55 men. Their average age was 46.95 [18.75]. Group 2 was composed of 40 patients with chronic low back pain and 40 patients with knee osteoarthritis including 48 women and 32 men. Their average age was 51.95 [18.82]. Anxiety was significantly more frequent in group 1 than group 2: 15.52% vs 9.37% (p<0.000). Depression was significantly more noted in group 1 than group 2: 16.29% vs 7.16% (p<0.009). The risk factors for anxiety and depression were respectively in the rheumatoid arthritis tendon and swollen joint count, DAS 28, the HAQ and the sharp erosion score. In AS, factors associated to mood disorders were the visual scale of pain, BASFI, BASDAI, ASDASsel and CRP. In the chronic low back pain mood disorders are associated to functional impairment assessed by the Effel questionnaire and the reduced mobility of the lumbar spine assessed by the distance finger-soil. Finally knee in osteoarthritis moods disorders were associated to Lequesne index and the reduction of knee extension.

Conclusions: Patients with chronic rheumatologic diseases suffer very often from anxiety and depression which was related in majority of cases to functional impairment, hence the need for multidisciplinary management.

Disclosure of Interest: None declared

AB0320  IMPACT OF RHEUMATOID ARTHRITIS ON LIFE QUALITY: BEFORE AND AFTER TREATMENT
X. Grapton1, on behalf of CREER, P. Lemesle2, on behalf of CREER, L. Arabian3, on behalf of CREER, V. Siroz2, on behalf of CREER on behalf of CREER. Private Rheumatology Practice, Colombes; Private Rheumatology Practice, Bois-Colombes; Private Rheumatology Practice, Cramart; Private Rheumatology Practice, Antony, France

Background: Life quality issues are spontaneously mentioned by 55% of the patients. They should not be underestimated in patients with mechanical disorders but they are not systematically assessed by clinicians. It is necessary to identify the frequency of mood disorders in order to reduce their impact on patients’ compliance to treatment.

Methods: 167 cases collected: 82% women, mean age 57 years, 56% moderate and 14% severe disease, 76% ACPA positive, 73% structural damage. Initial DAS28 4.7, Post treatment DAS28 2.7. Drugs: classic DMARDs 95%, corticosteroids 73%, biological DMARDs 22%, combination therapy 76%.

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