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 patient's 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 spondyloarthritis, risk factors for sleep impairment were disease activity (BASDAI ($p=0.00$), ASDAS vs ($p=0.00$) 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 Eiffel 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

DOI: 10.1136/annrheumdis-2018-eular.5736

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 recognised and treated as priority by clinicians. It is necessary to identify the frequency of this symptom and to determinate it's impact on the quality of life of patient.

Objectives: We aimed to assess and 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 chaldei questionnaire including physical and mental fatigue.

Results: We collected 120 patients 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% ($p=0.000$). 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 the tender and swollen joint count, the DAS 28

and the HAQ. In AS, factors associated to fatigue were the visual scale of pain, BASFI, BASDAI, ASDAS_{ESR} and CRP. In the chronic low back pain fatigue was associated by the functional impairment assessed by the Eiffel 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.

Disclosure of Interest: None declared

DOI: 10.1136/annrheumdis-2018-eular.5753

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 mood disorders in order to reduce their impact on patient's 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: tender 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, ASDAS_{ESR} and CRP. In the chronic low back pain mood disorders are associated to functional impairment assessed by the Eiffel questionnaire and the reduced mobility of the lumbar spine assessed by the distance finger-soil. Finally knee in osteoarthritis mood 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

DOI: 10.1136/annrheumdis-2018-eular.5776

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. Strotz⁴, on behalf of CREER on behalf of CREER. ¹Private Rheumatology Practice, Colombes; ²Private Rheumatology Practice, Bois-Colombes; ³Private Rheumatology Practice, Clamart; ⁴Private Rheumatology Practice, Antony, France

Background: Life quality issues in rheumatoid arthritis (RA) are often spontaneously mentioned by patients or identified by rheumatologists. Besides classic follow up parameters like DAS28, we have to consider those issues to improve our patients life quality.

Objectives: Explore and quantify the impact of RA on life quality via everyday's life and psychological items and the effect of treatment on them.

Methods: RA cases were collected by a group of 20 private practice rheumatologists in the Paris area. Basic informations about the patient and his disease were provided by his rheumatologist. Questionnaire including 12 themes and 41 items was filled in by the patient.

Results: 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%. Life quality issues are spontaneously mentioned by 55% of the patients.