Background: Rheumatoid Arthritis (RA) and Psoriatic arthritis (PsA) are both chronic, progressive inflammatory arthritis that can cause significant disability and morbidity. Depression in RA has been associated with higher levels of disease activity, pain, fatigue, work disability, lower treatment compliance and increased suicidal risk and mortality [1]. PsA patients suffer from psoriasis and joint involvement; hence have greater odds of depression by 2.1 times compared with RA [2].

Objectives: To compare the prevalence rates of depression and anxiety and its associated factors between RA and PsA patients in Hospital Putrajaya.

Methods: A cross sectional survey using the Hospital Anxiety and Depression Scale (HADS) questionnaire were distributed to 300 patients who attended rheumatology outpatient clinic from February – April 2019. The HADS was categorized into 3 groups based on their scores 0-7 (Normal); 8-10 (Borderline); and 11-21 (Abnormal). Data on patient demographics and components of disease assessment scores were recorded. Disease activity was assessed using DAS 28-ESR for all patients. Additional evaluation using Bath Ankylosing Spondylitis Disease Activity Score (BASDAI) and body surface area (BSA) were done for PsA patients. P value of < 0.05 was taken as significant.

Results: In total, 205 RA and 73 PsA patients were eligible for analysis. Majority of the patients were female, Malay and married for both groups. The mean age group for RA and PsA were 56.2 ± 11.9 years and 51.0 ± 14.6 years. The mean duration of disease for RA were 8 ± 10 years; while for PsA were 6 ± 11 years. The prevalence rates of depression and anxiety for RA were 8.3% and 13.7%; and PsA were 9.6% and 17.8% respectively. Borderline scores for depression occurred in 16.1% of RA patients and 12.3% for PsA. Twenty percent of RA patients (n=41) and twenty-four percent of PsA patients (n=18) scored borderline for anxiety. The significant positive correlations with depression and anxiety in RA include high disease activity scores (r = 0.27; r = 0.31), number of tender joints (r = 0.26; r = 0.24) and pain (r = 0.29; r = 0.27). Higher number of swollen joints significantly correlated with depression (r = 0.16) but not with anxiety, RA patients with Ischaemic Heart Disease (IHD) a heart failure have higher depression scores (p < 0.05). As for PsA group, high BASDAI score (anxiety: r = 0.34, depression: r = 0.26) and psoriasis involving head and neck region (p < 0.05) were significant associated factors. Age was inversely correlated with anxiety in the PsA group.

Conclusion: There is higher prevalence of anxiety in both RA and PsA as compared to depression. Higher disease activity scores were associated with depression and anxiety in both RA and PsA with axial involvement.

References:

Disclosure of Interests: None declared

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FR00079  CHARACTERISTICS OF DIFFICULT-TO-TREAT RHEUMATOID ARTHRITIS

S. Takashishi1, Y. Kanoke2, T. Takeda2,1. Keio University School of Medicine, Division of Rheumatology, Department of Internal Medicine, Tokyo, Japan

Background: Despite remarkable progress in therapy, not a few patients with rheumatoid arthritis (RA) have not achieved treatment target. Various factors can be ascribed to difficult-to-treat RA, however, little is known about their characteristics.

Objectives: To clarify characteristics of patients with difficult-to-treat RA in real-world.

Methods: We reviewed all consecutive RA patients in Keio University Hospital between 2016 and 2017 and collected medical information. We defined patients in moderate disease activity and high disease activity according to disease activity score for 28 joints (DAS28) at the last visit despite more than one year treatment for RA as difficult-to-treat RA and analyzed their clinical characteristics.

Results: A total of 1693 patients with RA were enrolled in the analysis. The mean age at the last visit was 64 years old, female was 83%, and the mean disease duration was 11.9 years. Rheumatoid factor and anti-cyclic citrullinated peptide were positive for 76% and 75% of the patients, respectively. The current treatment were conventional synthetic disease modifying anti-rheumatic drugs in 73%, biologic agents or janus kinase (JAK) inhibitors in 57%, and glucocorticoids in 13%. Disease activity according to DAS28 was remission in 65%, low disease activity in 21%, and moderate/high disease activity in 14%, which was defined as difficult-to-treat RA. Characteristics of difficult-to-treat RA were the mean age of 70 years old, female of 89%, and the mean disease duration of 14years. The current treatment were conventional anti-rheumatic drugs alone in 40.7%, biologic agents or JAK inhibitors in 55.8%, and glucocorticoids in 29.0%. The causes of difficult-to-treat RA were unresponsiveness to several biologic agents and/or JAK inhibitors in 22.9%, comorbidities in 33.8%, and personal reasons in 39.8% (costs in 35.8%, low adherence in 4.3%, concerns about possible adverse reaction of drugs in 54.3% and high patient's global assessment in 5.4%). Patient characteristics were significantly different between the causes; age at RA onset (51 vs 61 vs 51 years, p<0.001), current age (65 vs 77 vs 66 years, p<0.001), estimated glomerular...