10). SEC was used by 18% (n=19), and MTX by 42% (n=43, 25% sc, 13% oral, 4% unknown), respectively. Eight percent had a combination therapy of MTX and SEC. Twenty-seven percent used GC and/or other biologics/conventional disease modifying antirheumatic drugs (DMARDs). Mean glucocorticoid cumulative dose (GCCD) was 12.8±22.0g. Patients with SEC showed a significantly longer disease duration (median: 24 years vs. 13 years) compared to MTX, but showed no other differences in baseline-characteristics or risk factors. T-Scores of both femora were significantly higher in the MTX versus the SEC group. We could not find significant differences between these groups with regard to physical activity, back pain, movement restriction, fracture rates or GCCD. Twenty-five percent of the MTX users and 27% of the patients in the SEC group additionally had GC while; in contrast to no patient in the combination group.

Conclusion: The prevalence of osteoporosis in patients with PSO or PSOA was found to be as high as in the normal population. However, there was a high frequency of peripheral fragility, but not vertebral fractures. Patients with PSO or PSOA patients treated with SEC had a longer disease duration and lower hip BMD, but showed no differences in back pain, physical activity or movement restrictions compared to MTX users.

Funding: Rh-GIOP is supported by a joint funding of Amgen, BMS, Celgene, Generic Assays, GSK, Hexal, Horizon, Lilly, medac, Mundipharma, Novartis, Pfizer, Roche, and Sanofi.

REFERENCES:

[1] Frediani, B., et al., Bone mineral density in patients with psoriatic arthritis. J Rheumatol, 2001. 28(1): p. 138-43.

Disclosure of Interests: Desiree Freier: None declared, Edgar Wiebe Grant/research support from: Rh-GIOP is supported by a joint funding of Amgen, BMS, Celgene, Generic Assays, Chugai, Hexal AG, Horizon, Lilly, medac, Mundipharma, Novartis, Pfizer, Roche, and Sanofi., Kim Zeiner: None declared, Robert Biesen: None declared, Thomas Buttgereit: None declared, Sandra Hermann: None declared, Frank Buttgereit: None declared

DOI: 10.1136/annrheumdis-2019-eular.4792

FRI0434 THE RELATIONSHIP BETWEEN SYMPTOMS OF AUTONOMIC DYSFUNCTION AND CARDIOVASCULAR INVOLVEMENT IN PSORIATIC ARTHRITIS

Halise Hande Gezer, Didem Erdem, Mehmet Tuncay Duruöz. *Marmara University School of Medicine, Department of Physical Medicine and Rehabilitation, Rheumatology Division, Istanbul, Turkey*

Background: The incidence of cardiovascular disease (CVD), diabetes mellitus, metabolic syndrome and subclinical atherosclerosis is markedly increased in patients with psoriatic arthritis (PsA). The autonomic nervous system is the visceral nervous system of the body consisting of two parts; sympathetic and parasympathetic. Patients with PsA have predominantly parasympathetic involvement autonomic nervous system.

Objectives: The aim of this study was to evaluate the symptoms of autonomic dysfunction and their relationship with cardiovascular involvement and other clinic parameters in patients with PsA.

Methods: The study included patients diagnosed with PsA according to the CASPAR criteria. For evaluation of cardiovascular involvement, body mass index (BMI), abdominal obesity, hypertension (HT), diabetes mellitus (DM), hyperlipidemia (HL), metabolic syndrome, fasting glucose levels, lipid levels, systolic and diastolic blood pressures (SBP-DBP) were assessed. DAPSA (Disease Activity in Psoriatic Arthritis), BASDAI (Bath Ankylosing Spondylitis Disease Activity Index), Leeds enthesitis index, Psoriasis Area Severity Index (PASI), Psoriatic Arthritis Quality of Life (PsAQoL) and Health Assessment Questionnaire (HAQ) were used to assess patients clinical situations. The Composite Autonomic Symptom Score (COMPASS-31) (range:0-100) consisting of 6 subdivisions including orthostatic, vasomotor, secretomotor, gastrointestinal (GIS), bladder and pupillomotor was used for the symptoms of autonomic dysfunction. The Mann-Whitney U-test, student's t-test and Spearman's correlation coefficient were used for statistical analysis. P<0.05 was considered statistically significant.

Results: A total of 64 subjects (43 female, 21 male) with a mean of age 49 years (SD:12.3) and disease duration of 59 months (SD:71.3) were recruited into the study. The patients had HT (23.4%), DM (17.2%), abdominal obesity (62.5%), metabolic syndrome (45.3%) and dyslipidemia (42.2%). The mean total COMPASS-31 score was 19.7 (SD:8.3). There was no significant difference in COMPASS-31 scores in patients with or without HT, DM, dyslipidemia. Bladder scores were significantly higher in patients with abdominal obesity and metabolic syndrome (p<0.05). GIS and pupillomotor scores were significantly higher in patients with enthesis (p<0.05). Significant correlations were found between: LDL and bladder (r=0.392) scores; enthesis and GIS (r= 0.303), pupillomotor (r=0.365) scores; DAPSA and total COMPASS-31 (r=0.310), secretomotor (r=0.359) scores; BASDAI and total COMPASS-31 (r=0.483), GIS (r=0.327), secretomotor (r=0.309), pupillomotor (r=0.302) scores; fatigue and total COMPASS-31 (r=0.503), GIS (r=0.377), pupillomotor (r=0.302) scores; HAQ and total COMPASS-31 (r=0.476), orthostatic (r=0.388), bladder (r=0.371) scores; PsAQoL and total COMPASS-31 (r=0.601), orthostatic (r=0.549), secretomotor (r=0.414), pupillomotor (r=0.380) scores.

Conclusion: The total score of COMPASS-31 and its subdivisions were high in PsA patients as compared with literature data on healthy subjects. The symptoms of autonomic dysfunction were increased in PsA patients. Disease activity, functional impairment, fatigue, LDL and quality of life are associated with autonomic dysfunction. Autonomic symptoms improve with disease control.

REFERENCES:

[1] Sletten, D.M., et al., COMPASS 31: a refined and abbreviated Composite Autonomic Symptom Score. Mayo Clinic Proceedings, 2012. 87(12): p. 1196-1201.

[2] Syngle, A., et al., Autonomic dysfunction in psoriatic arthritis. Clin Rheumatol, 2013. 32(7): p. 1059-64.

Disclosure of Interests: Halise Hande Gezer: None declared, Didem Erdem: None declared, Mehmet Tuncay Duruöz Grant/research support from: Abvie, Speakers bureau: Novartis, AMGEN, Abdi İbrahim, İlko

DOI: 10.1136/annrheumdis-2019-eular.6282

FRI0435 INFLUENCE OF BASELINE DEMOGRAPHICS AND DISEASE CHARACTERISTICS ON EFFICACY OF AN ORAL, SELECTIVE TYK2 INHIBITOR, BMS-986165, IN PATIENTS WITH PLAQUE PSORIASIS IN A PHASE 2 TRIAL

Kenneth Gordon[1], Kim Papp[2], Melinda Gooderham[3], Diamant Thaçi[4], Peter Foley[5], Akimichi Morita[6], Sudeep Kundu[7], Renata Kisa[7], Andrew Napoli[7], Subhashis Banerjee[7]. *[1]Medical College of Wisconsin, Milwaukee, United States of America*; *[2]K Papp Clinical Research and Probity Medical Research, Waterloo, Canada*; *[3]SKiN Centre for Dermatology, Queen's University and Probity Medical Research, Peterborough, Canada*; *[4]University of Lübeck, Lübeck, Germany*; *[5]The University of Melbourne, St Vincent's Hospital Melbourne and Probity Medical Research, Skin and Cancer Foundation Inc, Melbourne, Australia*; *[6]Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan*; *[7]Bristol-Myers Squibb, Princeton, United States of America*

Background: BMS-986165 is an oral, selective inhibitor of tyrosine kinase 2 (TYK2), an enzyme that activates signal transducer and activator of transcription (STAT)-dependent cytokine signalling pathways involved in the pathophysiology of psoriasis (PsO). In a 12-week, Phase 2 trial of BMS-986165 in patients with moderate to severe plaque PsO, including those with baseline (BL) musculoskeletal symptoms, Psoriasis Area and Severity Index (PASI) 75 responses (primary endpoint) were highest at doses ≥3 mg twice daily (BID; 67–75%) vs placebo (7%; *P*<0.001), with a favourable safety profile.[1]

Objectives: To evaluate the influence of BL demographics (weight, body mass index, age) and disease characteristics (age of onset, presence of musculoskeletal symptoms, disease duration, previous biologic use, PASI score, static Physician Global Assessment [sPGA] score, Dermatology Life Quality Index [DLQI] score) on Week 12 efficacy for the 3 most effective doses of BMS-986165 (3 mg BID, 6 mg BID, and 12 mg once daily [QD]) in the trial.

Methods: Adults with moderate to severe plaque PsO (body surface area [BSA] ≥10%, PASI score ≥12, sPGA score ≥3) were randomised equally to 1 of 5 oral doses of BMS-986165 (3 mg every other day, 3 mg QD, 3 mg BID, 6 mg BID, 12 mg QD) or placebo for 12 weeks.

Results: A total of **267 patients were treated; subgroup analyses based on BL characteristics are reported for patients treated with the most effective doses of BMS-986165 (≥3 mg BID; n=134). BMS-986165 showed no meaningful differences in efficacy among almost all of the 3 subgroups, including age of onset, presence of musculoskeletal symptoms, and disease duration (Table), with some variability across subgroups.** Small patient numbers may underlie observed fluctuations in results. **Similar consistency in responses was seen regardless of BL age (18–<45 years, n=66; ≥45 years, n=68), weight**

Ann Rheum Dis: first published as 10.1136/annrheumdis-2019-eular.6282 on 27 June 2019. Downloaded from http://ard.bmj.com/ on December 10, 2021 at Marmara Universitesi. Protected by copyright.