Table 1. Comparison of characteristics of seropositive and seronegative PsA patients

Items	Group 1 Seropositive patients (n=22)	Group 2 Seronegative patients (n=58)	p-value
Age (years)	51.1 +/- 9.45	50.7 +/- 15.8	0.9
Sex ratio M/F	0.29	1.14	0.013
Age onset (years)	43.5 +/- 10.4	37.4 +/- 16.5	0.123
Skin involvement (%)	100	50	0.009
Bone erosions (%)	81.1	56.9	<0.001
Response to treatment (%)	70.58	51.14	<0.001

erosions in addition to signs of destruction was in 81.8% of cases. The response to treatment with (corticosteroids / NSAIDs / DMARDs) was partial in 70.58%. In group 2, the mean age was 50.7 years (+/- 15.8). The sex ratio M/F was 1.14, the mean age of onset was 37.4 years (+/- 16.5), the mean duration of disease was 13.3 years (+/- 9.5). Skin involvement was present in 50% of patients. Polyarticular involvement was present in all cases, axial involvement was present in 67.24% of cases and enthesitis in 56.9% of cases. All patients were HLA B 27 negative. The presence of X-ray and / or ultrasound bone erosions in addition to signs of destruction was in 56.9% of cases. The response to treatment with (corticosteroids / NSAIDs / DMARDs) was partial in 57.14%.

Conclusion: The presence of anti-CCP according to several studies is linked to the presence of deformities, dactylitis and radiological erosions (1,2). In our series, seropositivity was accompanied by the erosive nature of the destruction, as well as a tendency to resistance to treatment.

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Disclosure of Interests: None declared.

DOI: 10.1136/annrheumdis-2021-eular.2958

POS1078

CURRENT REGISTRIES IN PSA DO NOT WELL REFLECT THE PROFILES OF PATIENTS WITH PsA BECAUSE THEY ORIGINATE IN SIMILAR COUNTRIES: A SYSTEMATIC LITERATURE REVIEW OF 27 REGISTRIES, OR 16183 PATIENTS

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Background: Psoriatic arthritis (PsA) is a multidimensional inflammatory disease with a great geographic variability and a global average prevalence estimated at 133 every

100,000 subjects according to a recent systematic review and meta-analysis (1). Registries and cohorts reflect more closely real-world data than randomized controlled trials (RCTs) and may indicate ongoing interest of each country on PsA.

Objectives: The purpose of this study is to assess how recent registries and PsA related cohorts reflect its worldwide prevalence.

Methods: A systematic literature review was performed in Pubmed Medline (PROSPERO

CRD42020175745) to identify all articles reporting on either registries or longitudinal cohorts in PsA, published between 2010 and March 2020. Registries centered on drugs or not PsA-specific, trials and long term extension studies were excluded. The data collection comprised registries' and cohorts' originating countries, patient characteristics and the clinical outcome measures reported. Statistics were descriptive.

Results: Of 673 articles, 73 were relevant for analysis, corresponding to 27 registries or PsA specific cohorts, with the participation of 30 countries. The overall number of patients was 16,183 with a mean of 599 per study. Overall, 50.1% were men, weighted mean age was 50,6 years and weighted mean disease duration was 6.9 years.

Most of the registries were based in Europe (67%) or North America (26%) whereas Africa was underrepresented (Figure 1). USA was the most represented country participating in 6 registries. Mean age and mean disease duration were shorter in international registries (Table 1). Caspar diagnostic criteria were the most frequently used, mainly in the national registries (86,4%), whereas the use of diagnostic criteria was more heterogenous in the international registries.

Conclusion: Recent registries and PsA specific cohorts do not cover the worldwide spectrum of the disease.

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Table 1. Description of 27 ongoing PsA registries or PsA cohorts, comparing nationwide and international registries

	NATIONWIDE REGISTRIES (N=22)	INTERNATIONAL REGISTRIES (N=5)
WOMEN (%)	49,4	50,8
MEAN AGE, WEIGHTED (YEARS)	52,32	48,09
MEAN DISEASE DURATION, WEIGHTED (YEARS)	8,59	5,86
CASPAR DIAGNOSTIC CRITERIA (%)	86,4	40

Figure 1. Geographical distribution of PsA registries

Disclosure of Interests: None declared.

DOI: 10.1136/annrheumdis-2021-eular.3097

POS1079

ASSOCIATION OF C-REACTIVE PROTEIN AND NON-STEROIDAL ANTI-INFLAMMATORY DRUGS WITH CARDIOVASCULAR EVENTS IN PATIENTS WITH PSORIATIC ARTHRITIS: A TIME-DEPENDENT COX REGRESSION ANALYSIS

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Background: Psoriatic arthritis (PsA) is associated with accelerated atherosclerosis due to underlying inflammation. Whether inflammatory burden and drugs used to suppress inflammation over time are associated with cardiovascular (CV) events remains unclear.

Objectives: This study aims to examine the time-varying effect of C-reactive protein (CRP) levels and the use of drugs including non-steroidal anti-inflammatory drugs (NSAIDs) on the risk of CV events independent of traditional CV risk factors in PsA patients.

Methods: A retrospective cohort analysis was performed in patients with PsA who were recruited from 2008 to 2015 and followed till the end of 2019. The outcome was occurrence of a first CV event. Framingham risk score (FRS) was used to quantify the traditional CV risk. Cox proportional hazard models with time-varying CRP levels and drugs used were analyzed to identify the risk factors for CV events in PsA patients.

Results: 200 patients with PsA (median age: 47.5[40.0 – 56.0]; male: 119 [59.5%]) were recruited (Table 1. next page). After a mean follow-up of 8.8±3.8 years, 30 (15%) patients developed a first CV event. The Kaplan-Meier survival analysis indicated a significant difference in the CV event-free survival between patients with and without CRP level >3 mg/L (Figure 1A) and an inverse relationship between time-varying NSAIDs exposure and CV event-free survival (Figure 1B). The multivariable Cox regression model showed that time-varying CRP level (HR 1.02, 95% CI 1.00 to 1.04) and NSAIDs exposure (HR 0.30, 95% CI 0.15 to 0.95) were significantly associated with CV events after adjusting for baseline FRS (HR 5.04, 95% CI 1.83 to 13.85).