100 the best state of health. Data were collected at admission and at 2-years after transplantation. Results underwent statistical analysis. Significance levels were established at $p < 0.05$.

Results: The study included intragroup comparisons (Pre vs post-HSCT; Table 1) and intergroup comparisons (G1 vs G2; Table 2)

Abstract THU0712HPR Table 1. - Mean and median scores of SF-36 domains, before and after HSCT in G1 (n = 22) and G2 (n = 34)

Domain	G1 Pre-HSCT			G1 Post-HSCT			p-value
	Mean	SD	Median	Mean	SD	Median	
PF	41.3	33.9	35	67.2	28.4	85	0.008
RPF	23.8	40.4	0	42.3	30.0	50	0.008
P	46.8	32.9	46.5	71.1	25.9	67.3	0.013
GHP	52.2	27.0	55	66.6	14.3	67	0.03
VIT	55.2	30.1	60	67.2	20.3	75	0.27
SRF	20.3	23.2	62.5	68.5	27.6	68.7	0.60
ERF	54.5	45.4	50	54.5	41.8	33.8	0.96
MH	59.4	24.5	64	64.6	23.8	68	0.47

Domain	G2 Pre-HSCT			G2 Post-HSCT			p-value
	Mean	SD	Median	Mean	SD	Median	
PF	29.71	28.44	20	50.15	29.81	60	0.0003
RPF	19.85	30.01	0	39.71	33.78	25	0.0003
P	69.68	28.89	74	83.97	24.13	100	0.0007
GHP	68.88	18.3	67	85.97	16.78	97	0.0006
VIT	57.94	18.14	55	71.91	17.97	75	0.0004
SRF	48.97	32.57	50	71.69	24.1	75	0.0003
ERF	45.09	44.85	33.3	65.67	40.61	83.3	0.0187
MH	72.18	15.89	75	79.65	19.07	84	0.0006

Abstract THU0712HPR Table 2. - Comparison of the mean scores of SF-36 domains, in G1 (n = 22) and G2 (n = 34), before and at 2 years after HSCT

Domain	Pre-HSCT			Post-HSCT		
	Mean G1	Mean G2	p-value	Mean G1	Mean G2	p-value
PF	41.3	29.71	0.030	67.2	50.15	0.403
RPF	23.8	19.85	0.904	42.3	39.71	0.155
P	46.8	69.68	0.056	71.1	83.97	0.043
GHP	52.2	68.88	0.081	66.6	85.97	0.0001
VIT	55.2	57.94	0.912	67.2	71.91	0.337
SRF	20.3	48.97	0.779	68.5	71.69	0.156
ERF	54.5	45.09	0.412	54.5	65.67	0.357
MH	59.4	72.18	0.258	64.6	79.65	0.004

In the intragroup analyses, comparing pre and post-HSCT scores, there was general improvement in both disease groups, especially in G2. The intergroup comparisons indicate that before HSCT patients in G1 had better FP than those in G2 ($p = 0.03$). The other aspects were not significantly different between groups. After HSCT, patients in G2 had a better QoL scores in P ($p = 0.4338$), GHP ($p = 0.0001$) and MH ($p = 0.0049$). **Conclusion:** These results may be interpreted as positive outcomes of HSCT for MS and SSc. However, our data indicate that HSCT may benefit patients with MS (G2) more than those with SSc (G1).

REFERENCES:

- [1] Guimarães FAB, et al. Impact of autologous HSCT on the quality of life of patients with multiple sclerosis. *Arquivos de Neuro-Psiquiatria*, v. 68, p. 522-527, 2010.

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THU0713-HPR LINKING THE PATIENT EXPERIENCE OF FOOT INVOLVEMENT RELATED TO PSORIATIC ARTHRITIS TO THE INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY AND HEALTH

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Background: Previous research has shown merit in linking domains of impact in psoriatic arthritis (PsA) to the International Classification of Functioning, Disability and Health (ICF) to categorise the effect of global disease [1, 2]. Localised disease predominance and persistence in the foot in PsA is well recognised [3], but limited foot-specific research exists and there are no outcome measures to comprehensively assess foot involvement and its impact in PsA. To date little is known about the patient experience of foot involvement and how this may link to the ICF to capture disease impact.

Objectives: To categorise the patient experience of PsA-related foot problems by linking it to the ICF.

Methods: Participants were recruited from rheumatology outpatient clinics in Sydney, Australia and Auckland, New Zealand. People with PsA were interviewed about their foot problems and the impact they have on daily living until qualitative data saturation. Three multi-disciplinary focus groups

were undertaken with clinicians to explore their understanding of the patient experience. All interviews were audio-recorded and transcribed. Codes, representing concepts obtained from the interviews, were linked to the most appropriate ICF category according to established linking rules. All codes were independently linked to the ICF by 2 investigators and a third investigator for adjudication. Investigator professional backgrounds included occupational therapy and podiatry.

Results: Twenty-one people with PsA-related foot problems and 17 experienced clinicians participated. Over 100 distinct ICF categories were linked to the interview and focus group codes. The most represented ICF category was environmental factors (33%) followed by body functions (26%), activities and participation (25%) and body structure (16%). Environmental factors relevant to patients were shoes and assistive devices, healthcare access and climate. Clinicians identified a greater proportion of body functions and fewer activity and participation categories compared with patients, indicating a possible mismatch of key concerns. Concepts that could not be precisely linked to the ICF were related to coping, aspects of time and knowledge, consistent with previous work. Difficulties in linking highly specific information to categories such as sensations of pain, sensations of skin and emotional functions revealed a limitation in the ICFs ability to discriminate between various effects of the disease, a shortfall previously noted. Toenail changes were frequently cited by patients and linked to domains of body image and social relationships. Interdisciplinary group analysis demonstrated merit as differences between the predominantly medical approach by podiatry and psychosocial approach by occupational therapist in clinical practice led to additional ICF categories being identified between clinicians, which mostly related to cognitive functions.

Conclusion: Despite the localised anatomical focus of this study, the effect of foot problems in PsA was linked to all components of the ICF, confirming the profound impact on functioning and daily life. Difficulties with linking psychological concepts reflect deficiencies in the ICF and is a major limitation in defining foot disease burden. These findings offer new knowledge using patient and clinician perspectives that could inform the development of an instrument to measure the impact of foot involvement in PsA.

REFERENCES:

- [1] Gudu T, et al. *J Rheumatol*. 2017;44(2):193-200.
- [2] Taylor WJ, et al. *J Rheumatol*. 2010;37(9):1885-91.
- [3] Hyslop E, et al. *Ann Rheum Dis*. 2010;69:928.

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THU0714-HPR RELATIONSHIP BETWEEN TRUNK POSITION SENSE, TRUNK MUSCLE ENDURANCE AND BALANCE IN WOMEN WITH FIBROMYALGIA SYNDROME

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Background: Position sense plays a fundamental role in human movement which is crucial for daily activities, exercise and sports [1]. Trunk endurance and balance were also integrated part of normal functional movements. Decreased balance and trunk muscle endurance were reported in women with fibromyalgia syndrome (FMS) [2]. However, to our knowledge, the relationship between trunk position sense, trunk muscle endurance and balance has not been studied in women with FMS.

Objectives: This study aimed to determine the relationship between trunk position sense, trunk muscle endurance and balance in women with FMS.

Methods: Women with FMS (n: 25, age: 42.88±11.66 years, body mass index: 25.69±3.48 kg/m²) were recruited. Trunk position sense was assessed with digital inclinometer by trunk reposition errors in which higher scores indicates poor trunk position sense [3]. Trunk flexor, extensor, dominant and non-dominant lateral side muscle endurance with McGill's trunk muscle endurance tests [4] in seconds and balance with the Mini-Balance Evaluation Systems Test (Mini BEStest) [5] were assessed. Spearman's rank correlation test was used for analysis.

Results: There were significant negative correlations between trunk position sense and trunk flexor, extensor, dominant and non-dominant lateral side muscle endurance ($r = -0.61$, $p = 0.001$; $r = -0.49$, $p = 0.011$; $r = -0.048$, $p = 0.014$; $r = -0.048$, $p = 0.014$, respectively). There were also high significant negative correlations between trunk position sense and Mini BEStest score ($r = -0.73$, $p < 0.001$).