

## Article

# Characteristics of Pruritus in Various Clinical Variants of Psoriasis: Results of the Multinational, Multicenter, Cross-Sectional Study

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**Supplementary Materials:**

**Table S1.** Psoriasis severity and quality of life level of analyzed patients (data presented as means  $\pm$  standard deviations; BSA - Body Surface Area, DLQI - Dermatology Life Quality Index, GPPSI - Generalized Pustular Psoriasis Severity Index, PASI - Psoriasis Area and Severity Index, PPSI - Palmoplantar Pustulosis Severity Index, sPGA - Static Physician Global Assessment).

	All Patients	Large-plaque Psoriasis	Nummular Psoriasis	Guttate Psoriasis	Palmoplantar Psoriasis	Psoriasis of the Scalp	Inverse Psoriasis	Erythrodermic Psoriasis	Palmoplantar Pustular Psoriasis	Generalized Pustular Psoriasis
PASI	13.2 $\pm$ 12.0	14.3 $\pm$ 9.8	11.1 $\pm$ 5.0	12.8 $\pm$ 9.2	4.4 $\pm$ 1.3	3.4 $\pm$ 3.7	5.9 $\pm$ 4.0	36.5 $\pm$ 9.9	-	-
BSA	22.2 $\pm$ 26.1	28.7 $\pm$ 21.4	19.9 $\pm$ 8.9	20.4 $\pm$ 10.0	5.6 $\pm$ 2.2	5.2 $\pm$ 4.9	6.2 $\pm$ 3.0	85.8 $\pm$ 21.8	2.8 $\pm$ 1.3	26.5 $\pm$ 17.2
sPGA	3.2 $\pm$ 1.0	3.2 $\pm$ 1.2	3.0 $\pm$ 0.9	3.0 $\pm$ 0.7	3.1 $\pm$ 0.7	2.8 $\pm$ 0.8	2.5 $\pm$ 0.9	4.1 $\pm$ 0.8	3.3 $\pm$ 0.9	3.4 $\pm$ 1.1
PPSI	-	-	-	-	-	-	-	-	7.0 $\pm$ 1.9	-
GPPSI	-	-	-	-	-	-	-	-	-	4.5 $\pm$ 1.8
DLQI	7.0 $\pm$ 1.9	11.9 $\pm$ 8.1	11.6 $\pm$ 6.8	10.9 $\pm$ 5.9	15.7 $\pm$ 9.5	9.4 $\pm$ 7.6	12.6 $\pm$ 7.5	17.9 $\pm$ 7.5	10.5 $\pm$ 7.8	15.5 $\pm$ 8.1

**Table S2.** Selected features and descriptions of pruritus (\*p values according to  $\chi^2$  test).

	All Patients	Large-plaque Psoriasis	Nummular Psoriasis	Guttate Psoriasis	Palmoplantar Psoriasis	Psoriasis of the Scalp	Inverse Psoriasis	Erythrodermic Psoriasis	Palmo-plantar Pustular Psoriasis	Generalized Pustular Psoriasis	P*
Frequency of pruritus: n (%)											
- Everyday	113 (57.4)	25 (58.1)	13 (50)	14 (63.6)	7 (70)	10 (43.5)	4 (40)	13 (81.3)	23 (63.9)	4 (36.4)	
- Few times a week	51 (25.9)	12 (27.9)	9 (34.6)	5 (22.7)	1 (10)	6 (26.1)	4 (40)	2 (12.5)	8 (22.2)	4 (36.4)	
- At least once a month	23 (11.7)	3 (7)	2 (7.7)	3 (13.6)	1 (10)	6 (26.1)	2 (20)	0 (0)	4 (11.1)	2 (18.2)	0.66
- Less than once a month	10 (5)	3 (7)	2 (7.7)	0 (0)	1 (10)	1 (4.3)	0 (0)	1 (6.2)	1 (2.8)	1 (9.1)	
The most intense pruritus: n (%)											
- When the skin lesions appear	71 (36)	9 (20.9)	9 (34.6)	10 (45.5)	2 (20)	11 (47.8)	4 (40)	7 (43.8)	17 (47.2)	1 (9.1)	
- When the skin lesions are fully developed	59 (29.9)	15 (34.9)	9 (34.6)	8 (36.4)	6 (60)	4 (17.4)	5 (50)	2 (12.5)	7 (19.4)	4 (36.4)	0.03
- When the skin lesions extend their size	53 (26.9)	15 (34.9)	6 (23.1)	4 (18.2)	2 (20)	7 (30.4)	0 (0)	3 (18.7)	10 (27.8)	6 (54.5)	

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- Not related to the development of skin lesions

	Pruritus relieves: n (%)	Shortly after introducing antipsoriatic therapy	After significant improvement of psoriasis	When lesions fully disappear	Pruritus persists in spite of clearance of skin lesions	I do not know	Descriptions of pruritus			
- Pruritus relieves: n (%)	35 (17.8)	10 (23.3)	6 (23.1)	6 (27.3)	0 (0)	5 (21.7)	1 (10)	3 (18.7)	3 (8.3)	1 (9.1)
- Shortly after introducing antipsoriatic therapy	81 (41.1)	18 (41.9)	11 (42.3)	9 (40.9)	4 (40)	6 (26.1)	2 (20)	7 (43.8)	18 (50)	6 (54.5)
- After significant improvement of psoriasis	47 (23.9)	9 (20.9)	5 (19.2)	4 (18.2)	5 (50)	8 (34.8)	4 (40)	1 (6.2)	9 (25)	2 (18.2) 0.6
- When lesions fully disappear	10 (5)	1 (2.3)	1 (3.8)	0 (0)	0 (0)	2 (8.7)	2 (20)	2 (12.5)	2 (5.6)	0 (0)
- Pruritus persists in spite of clearance of skin lesions	24 (12.2)	5 (11.6)	3 (11.5)	3 (13.6)	1 (10)	2 (8.7)	1 (10)	3 (18.8)	4 (11.1)	2 (18.2)
- I do not know										
Pure itch: n (%)	62 (31.5)	14 (32.6)	8 (30.8)	10 (45.5)	2 (20)	11 (47.8)	1 (10)	4 (25)	8 (22.2)	4 (36.4) 0.16
Burning: n (%)	75 (38.1)	19 (44.2)	9 (34.6)	9 (40.9)	4 (40)	7 (30.4)	4 (40)	6 (37.5)	14 (38.9)	3 (27.3) 0.98
Tingling: n (%)	47 (23.9)	10 (23.3)	7 (26.9)	3 (13.6)	1 (10)	6 (26.1)	2 (20)	5 (31.3)	11 (30.6)	2 (18.2) 0.88
Painful itch: n (%)	44 (22.3)	9 (20.9)	3 (11.5)	3 (13.6)	5 (50)	2 (8.7)	2 (20)	2 (12.5)	15 (41.2)	3 (27.3) <0.05
Pinching: n (%)	41 (20.8)	11 (25.6)	6 (23.1)	3 (13.6)	3 (30)	2 (8.7)	3 (30)	3 (18.7)	6 (16.7)	4 (36.4) 0.52
Deep itch: n (%)	35 (17.8)	6 (14)	0 (0)	0 (0)	3 (30)	2 (8.7)	2 (20)	3 (18.7)	14 (38.9)	1 (9.1) <0.01
Point itch: n (%)	28 (14.2)	3 (7)	1 (3.8)	4 (18.2)	1 (10)	4 (17.4)	4 (40)	3 (18.7)	6 (16.7)	2 (18.2) 0.26
Warming feeling: n (%)	27 (13.7)	6 (14)	1 (3.8)	2 (9.1)	4 (40)	2 (8.7)	1 (10)	1 (6.2)	8 (22.2)	2 (18.2) 0.2
Like walking ants: n (%)	23 (11.7)	2 (4.7)	2 (7.7)	3 (13.6)	1 (10)	5 (21.7)	2 (20)	4 (25)	4 (11.1)	1 (9.1) 0.41
Stinging: n (%)	20 (10.2)	2 (4.7)	2 (7.7)	1 (4.5)	2 (20)	1 (4.3)	0 (0)	1 (6.2)	8 (22.2)	3 (27.3) 0.09
Like the prick of a pin: n (%)	18 (9.1)	4 (9.3)	3 (11.5)	0 (0)	2 (20)	1 (4.3)	0 (0)	2 (12.5)	4 (11.1)	2 (18.2) 0.55
Superficial itch: n (%)	17 (8.6)	6 (14)	3 (11.5)	2 (9.1)	1 (10)	0 (0)	1 (10)	2 (12.5)	2 (5.6)	0 (0) 0.64
Biting: n (%)	13 (6.6)	2 (4.7)	1 (3.8)	1 (4.5)	0 (0)	2 (8.7)	0 (0)	2 (12.5)	2 (5.6)	3 (27.3) 0.16
Like a spool and a needle: n (%)	10 (5.1)	2 (4.7)	2 (7.7)	0 (0)	1 (10)	2 (8.7)	0 (0)	2 (12.5)	0 (0)	1 (9.1) 0.48
Acute itch: n (%)	9 (4.6)	5 (11.6)	0 (0)	1 (4.5)	1 (10)	0 (0)	0 (0)	1 (6.2)	1 (2.8)	0 (0) 0.29
Drilling: n (%)	4 (2)	2 (4.7)	1 (3.8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (9.1)	0.46

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