

Table SI Functioning of participants prior to hospitalization

	N	%
How would you describe your general health?		
Excellent	24	11.9
Very Good	69	34.3
Good	58	28.9
Fair	36	17.9
Poor	14	7.0
Limitations in moderate activities		
Yes, limited a lot	54	26.9
Yes, limited a little	80	39.8
No, not limited at all	67	33.3
Limitations in climbing several flights of stairs		
Yes, limited a lot	62	30.8
Yes, limited a little	85	42.3
No, not limited at all	54	26.9
How much did pain interfere with your daily activities at home and work before hospitalization?		
Not at all	14	7.0
A little bit	34	17.0
Moderately	41	20.5
Quite a bit	44	22.0
Extremely	67	33.5
How often were you calm and peaceful before hospitalization?		
Always	7	3.5
Mostly	52	26.0
Quite Often	28	14.0
Sometimes	22	11.0
Rarely	66	33.0
Never	25	12.5
How often were you full of energy before hospitalization?		
Always	4	2.0
Mostly	53	26.5
Quite Often	24	12.0
Sometimes	29	14.5
Rarely	64	32.0
Never	26	13.0
How often were you downhearted and blue before hospitalization?		
Always	5	2.5
Mostly	14	7.0
Quite Often	38	19.0
Sometimes	55	27.5
Rarely	56	28.0
Never	32	16.0
How often did physical health or emotional problems interfere with your social activities (e.g., visits with friends, relatives, etc.) before hospitalization?		
Always	0	0.0
Mostly	13	6.5
Sometimes	35	17.5
Rarely	28	14.0
Never	124	62.0

Table SII. Prevalence of common itch-related diseases

Disease	No chronic pruritus N (%)	Chronic pruritus N (%)	p
Chronic kidney diseases	45 (29.2)	19 (40.4)	0.15
Hepatobiliary diseases ¹	38 (24.7)	9 (19.2)	0.43
Hyper- and Hypothyroidism	31 (20.1)	13 (27.7)	0.28
Iron deficiency	7 (4.5)	4 (8.5)	0.30
Diabetes mellitus	58 (37.7)	16 (34.0)	0.65
Neuropathy	21 (13.6)	6 (12.8)	0.88
Depression/Anxiety disorders	6 (3.9)	8 (17.0)	0.001
Malignancy	16 (10.4)	5 (10.6)	0.96
Cardiovascular disorders	20 (13.0)	11 (23.4)	0.08
Skin diseases	2 (1.3) (Rosacea, Intertrigo)	6 (12.8) (5 Psoriasis, 1 Intertrigo)	<0.001

¹including steatosis hepatis, liver cirrhosis, congested liver, hepatitis, autoimmune hepatitis, cholecystolithiasis, choledocholithiasis, and post partial liver resection

Table SIII. Prevalence of common itch-triggering medications

Medication	No chronic pruritus N (%)	Chronic pruritus N (%)	p
Allopurinol	21 (13.6)	9 (19.2)	0.35
Edoxaban	12 (7.8)	7 (14.9)	0.15
Rivaroxaban	8 (5.2)	5 (10.6)	0.18
Insulin	23 (14.9)	8 (17.0)	0.73
Opiates	35 (22.7)	15 (31.9)	0.20

Table SIV. Functional differences between patients with and without CP

			No chronic pruritus		Chronic pruritus			
Physical functions			n	%	n	%	p	Cramer V
General health	How would you describe your state of health in general?	Excellent	18	11.7	6	12.8	.190	
		very good	47	30.5	22	46.8		
		Good	48	31.2	10	21.3		
		Fair	28	18.2	8	17.0		
		poor	13	8.4	1	2.1		
Moderate activities	Restriction of medium-difficulty activities	Limited a lot	38	24.7	16	34.0	.025	0.191
		limited a little	57	37.0	23	48.9		
		not limited at all	59	38.3	8	17.0		
Climb several flights of stairs	Restriction walking up and down stairs	Limited a lot	44	28.6	18	38.3	.016	0.202
		limited a little	61	39.6	24	51.1		
		not limited at all	49	31.8	5	10.6		
Pain interference	To what extent did the pain prevent you from carrying out your everyday activities at home and at work before your hospitalization?	Not at all	9	5.9	5	10.6	<.001	0.367
		A little bit of the time	17	11.1	17	36.2		
		moderately	28	18.3	13	27.7		
		quite a bit	37	24.2	7	14.9		
		extremely	62	40.5	5	10.6		
		no	129	83.8	33	70.2		
Mental functions			n	%	n	%	p	Cramer V
Calm and peaceful	How often were you calm and relaxed before your hospitalization?	Always	4	2.6	3	6.4	.613	
		Mostly	41	26.8	11	23.4		
		Quite often	20	13.1	8	17.0		
		Sometimes	19	12.4	3	6.4		
		Rarely	49	32.0	17	36.2		
		Never	20	13.1	5	10.6		
Energy or vitality	How often were you full of energy before your hospital stay?	Always	2	1.3	2	4.3	.277	
		Mostly	39	25.5	14	29.8		
		Quite often	15	9.8	9	19.1		
		Sometimes	23	15.0	6	12.8		
		Rarely	52	34.0	12	25.5		
		Never	22	14.4	4	8.5		
Downhearted and blue	How often were you discouraged and sad before your hospital stay?	Always	3	2.0	2	4.3	.911	
		Mostly	11	7.2	3	6.4		
		Quite often	28	18.3	10	21.3		
		Sometimes	43	28.1	12	25.5		
		Rarely	42	27.5	14	29.8		
		Never	26	17.0	6	12.8		
Social limitations	How often did your physical health or mental problems affect your contact with other people (e.g. visits to friends, relatives, etc.) before your hospitalization?	Always	0	0.0	0	0.0	.588	
		Mostly	8	5.2	5	10.6		
		Sometimes	28	18.3	7	14.9		
		Rarely	22	14.4	6	12.8		
		Never	95	62.1	29	61.7		

Table SV. Multinomial regressions: factors associated with physical function

	Moderate activities	Climb several flights of stairs
Age	.421	.004
Sex	.393	.201
Hand grip strength	<.001	<.001
Chronic pruritus	.043	.014
Nagelkerke R ²	.18	.24

Table SVI. Multinomial regressions: factors associated with pain interference

	Pain—interference
Age	.399
Sex	.437
Hand grip strength	.249
Geriatric depression score, sum	.057
Chronic pruritus	<.001
Nagelkerke R ²	.268

Table SVII. Itchy-QoL items for the different domains

	Symptoms		N	%
1	Bleeding	Never	26	55.3
		Rarely	6	12.8
		Sometimes	9	19.1
		Often	6	12.8
		Always	0	0.0
2	Pain	Never	21	44.7
		Rarely	3	6.4
		Sometimes	9	19.1
		Often	10	21.3
		Always	4	8.5
3	Burning	Never	18	38.3
		Rarely	7	14.9
		Sometimes	7	14.9
		Often	8	17.0
		Always	7	14.9
4	Scars	Never	35	74.5
		Rarely	9	19.1
		Sometimes	2	4.3
		Often	1	2.1
		Always	0	0.0
5	Scratching	Never	6	12.8
		Rarely	3	6.4
		Sometimes	8	17.0
		Often	6	12.8
		Always	24	51.1
6	Season	Never	35	74.5
		Rarely	0	0.0
		Sometimes	5	10.6
		Often	3	6.4
		Always	4	8.5
	Functioning			
7	Money	Never	27	57.4
		Rarely	8	17.0
		Sometimes	7	14.9
		Often	5	10.6
		Always	0	0.0
8	Work	Never	25	53.2
		Rarely	5	10.6
		Sometimes	6	12.8
		Often	10	21.3
		Always	1	2.1
9	Interaction	Never	40	85.1
		Rarely	7	14.9
		Sometimes	0	0.0
		Often	0	0.0

		Always	0	0.0
10	Sleep	Never	23	48.9
		Rarely	6	12.8
		Sometimes	6	12.8
		Often	12	25.5
		Always	0	0.0
11	Concentration	Never	27	57.4
		Rarely	6	12.8
		Sometimes	10	21.3
		Often	4	8.5
		Always	0	0.0
12	Clothes	Never	34	72.3
		Rarely	3	6.4
		Sometimes	8	17.0
		Often	1	2.1
		Always	1	2.1
13	Body care	Never	22	46.8
		Rarely	4	8.5
		Sometimes	11	23.4
		Often	8	17.0
		Always	2	4.3
	Feelings			
14	Frustrated	Never	17	36.2
		Rarely	5	10.6
		Sometimes	8	17.0
		Often	17	36.2
		Always	0	0.0
16	Loss of control	Never	17	36.2
		Rarely	6	12.8
		Sometimes	7	14.9
		Often	17	36.2
		Always	0	0.0
17	Angry	Never	20	42.6
		Rarely	9	19.1
		Sometimes	8	17.0
		Often	9	19.1
		Always	1	2.1
18	Depressed	Never	35	74.5
		Rarely	5	10.6
		Sometimes	5	10.6
		Often	1	2.1
		Always	1	2.1
20	Never ending	Never	10	21.3
		Rarely	11	23.4
		Sometimes	8	17.0
		Often	13	27.7
		Always	5	10.6

	Self-perception			
15	Self-esteem, shame	Never	36	76.6
		Rarely	3	6.4
		Sometimes	5	10.6
		Often	3	6.4
		Always	0	0.0
19	Image	Never	37	78.7
		Rarely	4	8.5
		Sometimes	4	8.5
		Often	2	4.3
		Always	0	0.0
21	Embarrassed	Never	36	76.6
		Rarely	5	10.6
		Sometimes	3	6.4
		Often	3	6.4
		Always	0	0.0
22	Personality	Never	41	87.2
		Rarely	3	6.4
		Sometimes	3	6.4
		Often	0	0.0
		Always	0	0.0