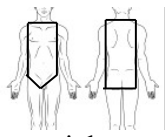


**Table SI. Prurigo Activity Score (PAS)**

<p><b>1. Type</b></p> <p><b>a) Which lesions do you see?</b></p> <p><input type="checkbox"/> papules  <input type="checkbox"/> nodules  <input type="checkbox"/> plaques  <input type="checkbox"/> umbilicated ulcers  <input type="checkbox"/> ulcers  <input type="checkbox"/> hypo-/hyperpigmented maculae</p> <p><b>b) Which type of prurigo is predominant?</b></p> <p><input type="checkbox"/> Prurigo papular type  <input type="checkbox"/> Prurigo nodular type  <input type="checkbox"/> Prurigo plaques type  <input type="checkbox"/> Prurigo ulcerated type  <input type="checkbox"/> Prurigo umbilicated  <input type="checkbox"/> completely healed</p>	<p><b>2. Number</b></p> <p><b>a) How many Prurigo lesions do you see? (estimate; do not count; do not consider scars)</b></p> <p><input type="checkbox"/> 0  <input type="checkbox"/> 1 - 19  <input type="checkbox"/> 20 – 100  <input type="checkbox"/> &gt; 100</p> <p><b>3. Distribution:</b></p> <p><input type="checkbox"/> disseminated  <input type="checkbox"/> localized (only 1 or 2 areas affected)  <input type="checkbox"/> neither of them</p>																														
<p><b>4. Please mark the affected area(s) (for definition of trunk see image).</b></p> <p>whole body except head      <input type="checkbox"/> </p> <p>whole body head included      <input type="checkbox"/></p> <p><b>or</b></p> <p>forearm:                      <input type="checkbox"/> left                      <input type="checkbox"/> right  upper arm:                    <input type="checkbox"/> left                      <input type="checkbox"/> right  lower leg:                    <input type="checkbox"/> left                      <input type="checkbox"/> right  upper leg:                    <input type="checkbox"/> left                      <input type="checkbox"/> right  trunk                            <input type="checkbox"/> ventral                  <input type="checkbox"/> dorsal  head                            <input type="checkbox"/> capillitium            <input type="checkbox"/> face</p>	<p><b>5. Please choose a representative area (must be the same at each visit*):</b></p> <p>forearm:                      <input type="checkbox"/> left                      <input type="checkbox"/> right  upper arm:                    <input type="checkbox"/> left                      <input type="checkbox"/> right  lower leg:                    <input type="checkbox"/> left                      <input type="checkbox"/> right  upper leg:                    <input type="checkbox"/> left                      <input type="checkbox"/> right  trunk                            <input type="checkbox"/> ventral                  <input type="checkbox"/> dorsal</p> <p><small>*select one at screening. photos, biopsies ect always in this area. Do not change during study.</small></p> <p>Exact number of pruriginous lesions in representative area (do not count scars): _____</p>																														
<p><b>6. Monitor lesions. Please mark IN THE REPRESENTATIVE AREA the biggest (B) and the most representative (R) pruriginous lesion (remains the same in every visit, make photos with mark).</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Highest elevation [mm]</th> <th colspan="2">Biggest diameter [mm]</th> </tr> <tr> <th>longitudinal</th> <th>crosswise</th> </tr> </thead> <tbody> <tr> <td><b>biggest pruriginous lesion</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>representative pruriginous lesion</b></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Highest elevation [mm]	Biggest diameter [mm]		longitudinal	crosswise	<b>biggest pruriginous lesion</b>				<b>representative pruriginous lesion</b>																			
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		longitudinal	crosswise																												
<b>biggest pruriginous lesion</b>																															
<b>representative pruriginous lesion</b>																															
<p><b>7. Activity. Please mark the stage for the whole body.</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>stage 0</th> <th>stage 1</th> <th>stage 2</th> <th>stage 3</th> <th>stage 4</th> </tr> </thead> <tbody> <tr> <td><b>Pruriginous lesions with excoriations/crusts:</b></td> <td>0 %</td> <td>1- 25 %</td> <td>26 - 50 %</td> <td>51 - 75 %</td> <td>76 - 100 %</td> </tr> <tr> <td>estimated percent compared to all pruriginous lesions</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Healed pruriginous lesions:</b></td> <td>100 %</td> <td>75-99 %</td> <td>50 - 74 %</td> <td>25 - 49 %</td> <td>0 - 24 %</td> </tr> <tr> <td>estimated percent compared to all pruriginous lesions</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			stage 0	stage 1	stage 2	stage 3	stage 4	<b>Pruriginous lesions with excoriations/crusts:</b>	0 %	1- 25 %	26 - 50 %	51 - 75 %	76 - 100 %	estimated percent compared to all pruriginous lesions						<b>Healed pruriginous lesions:</b>	100 %	75-99 %	50 - 74 %	25 - 49 %	0 - 24 %	estimated percent compared to all pruriginous lesions					
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estimated percent compared to all pruriginous lesions																															

**Table SII. Test-retest reliability and Inter-rater reliability in the random sample of 12 patients (CI: confidence interval, E: elevation, L: longitudinal, C: crosswise)**

Item	Expression (nominal items) / Mean±SD Test - Mean±SD Retest (metric items)		Test-Retest Reliability		Inter-Rater-Reliability	
			Statistic	Correlation Coefficient	Statistic	Correlation Coefficient
<b>1a</b>	Papules		Cohens Kappa	0.615	Fleiss Kappa	-0.020
	Nodules			0.680		0.333
	Plaques			0.823		0.241
	Ulcers			0.253		-0.200
	Umbilicated ulcers			0.600		0.365
	Maculae			0.284		0.042
<b>1b</b>			Cohens Kappa	0.695	Fleiss Kappa	0.462
<b>2</b>	-		Cronbach's Alpha	0.901	Kendalls	0.806
			ICC	0.811		
			95%-CI	0.553-0.959		
<b>3</b>	-		Cohens Kappa	1.000	Fleiss Kappa	0.062
<b>4</b>	Whole body except head		Cohens Kappa	0.668	Fleiss Kappa	0.438
	Whole body head included			0.619		0.295
	Forearm left			0.607		-0.301
	Forearm right			0.607		-0.301
	Upper arm left			0.656		-0.333
	Upper arm right			0.406		-0.333
	Lower leg left			0.500		-0.301
	Lower leg right			0.500		-0.301
	Upper leg left			0.500		-0.201
	Upper leg right			0.500		-0.219
	Trunk ventral			0.719		0.210
	Trunk dorsal			0.436		-0.249
	Capillitium			0.860		-0.151
	Face			0.855		-0.001
<b>5</b>	Selection		Cohens Kappa	0.566	Fleiss Kappa	0.260
	Number		Cronbach's Alpha	0.907	Cronbach's Alpha	0.894
	15.02±10.04	17.72±10.27	ICC	0.833	ICC	0.896
			95%-CI	0.663-0.945	95%-CI	0.742-0.968
<b>6aE</b>	1.96±0.88	1.92±0.76	Cronbach's Alpha	0.878	Cronbach's Alpha	0.814
			ICC	0.766	ICC	0.712
			95%-CI	0.416-0.923	95%-CI	0.315-0.906
<b>6aL</b>	18.35±10.56	17.98±10.55	Cronbach's Alpha	0.910	Cronbach's Alpha	0.751
			ICC	0.849	ICC	0.679
			95%-CI	0.560-0.975	95%-CI	0.238-0.896
<b>6aC</b>	12.77±6.60	12.85±6.16	Cronbach's Alpha	0.893	Cronbach's Alpha	0.600
			ICC	0.802	ICC	0.542
			95%-CI	0.510-0.935	95%-CI	0.088-0.851
<b>6bE</b>	1.52±0.54	1.67±0.62	Cronbach's Alpha	0.764	Cronbach's Alpha	0.707
			ICC	0.629	ICC	0.634
			95%-CI	0.171-0.874	95%- CI	0.131-0.881
<b>6bL</b>			Cronbach's Alpha	0.853	Cronbach's Alpha	0.733

	9.02±3.09	8.44±2.80	ICC 95%-CI	0.741 0.345-0.916	ICC 95%-CI	0.671 0.218-0.893
<b>6bC</b>	7.90±2.59	7.02±2.14	Cronbach's Alpha ICC 95%-CI	0.770 0.605 0.143-0.879	Cronbach's Alpha ICC 95%-CI	0.723 0.628 0.166-0.897
<b>7a</b>	-	-	Cronbach's Alpha ICC 95%-CI	0.885 0.801 0.594-0.916	Kendalls	0.734
<b>7b</b>	-	-	Cronbach's Alpha ICC 95%-CI	0.838 0.745 0.369-0.916	Kendalls	0.727

**Table SIII. Concurrent validity in the whole prurigo population (n=264). \*p ≤0.05; \*\*p ≤0.01; \*\*\*p**

**≤0.001. DLQI: Dermatologic life quality index; DPS: Dynamic Pruritus Score; NRS: Numeric rating scale;**

**VAS: Visual analogue scale; SD: Standard deviation. <sup>1</sup>Mann-Whitney-U-Test; <sup>2</sup>Kruskall-Wallis-Test.**

	Item 1a: Papules		Item 1a: Nodules		Item 1a: Plaques		Item 1a: Ulcers		Item 1a: Maculae		Item 1b	
<b>DLQI 0-1</b>	N	13	N	13	N	13	N	13	N	13	N	13
	No	15.4%	No	30.8%	No	92.3%	No	100%	No	84.6%	Mean	1.46
	Yes	84.6%	Yes	69.2%	Yes	7.7%	Yes	0%	Yes	15.4%	SD	0.66
<b>DLQI 2-5</b>	N	56	N	56	N	56	N	56	N	55	N	53
	No	32.1%	No	50.0%	No	80.4%	No	98.2%	No	92.7%	Mean	1.57
	Yes	67.9%	Yes	50.0%	Yes	19.6%	Yes	1.8%	Yes	7.3%	SD	0.84
<b>DLQI 6-10</b>	N	57	N	57	N	57	N	57	N	57	N	55
	No	26.3%	No	50.9%	No	77.2%	No	87.7%	No	84.2%	Mean	1.82
	Yes	73.7%	Yes	49.1%	Yes	22.8%	Yes	12.3%	Yes	15.8%	SD	0.96
<b>DLQI 11-20</b>	N	66	N	66	N	66	N	66	N	66	N	63
	No	40.9%	No	31.8%	No	66.7%	No	90.9%	No	92.4%	Mean	1.97
	Yes	59.1%	Yes	68.2%	Yes	33.3%	Yes	9.1%	Yes	7.6%	SD	0.95
<b>DLQI 21-30</b>	N	17	N	17	N	17	N	17	N	17	N	15
	No	70.6%	No	47.1%	No	52.9%	No	82.4%	No	94.1%	Mean	2.40
	Yes	29.4%	Yes	52.9%	Yes	47.1%	Yes	17.6%	Yes	5.9%	SD	0.91
Total	N	209	N	209	N	209	N	209	N	208	N	199
	No	35.4%	No	43.1%	No	73.7%	No	91.9%	No	89.9%	Mean	1.82
	Yes	64.6%	Yes	56.9%	Yes	26.3%	Yes	8.1%	Yes	10.1%	SD	0.93
p-Value	<b>0.003<sup>1**</sup></b>		0.270 <sup>1</sup>		<b>0.004<sup>1**</sup></b>		<b>0.029<sup>1*</sup></b>		0.549 <sup>1</sup>		<b>0.011<sup>2*</sup></b>	
	Item 2		Item 3		Item 4		Item 5		Item 6a: Elevation		Item 6a: Cross	
<b>DLQI 0-1</b>	N	14	N	12	N	2	N	3	N	7	N	7
	Mean	1.36	disse.	50.0	Mean	6.50	Mean	10.33	Mean	1.23	Mean	3.30
	SD	0.63	locali.	50.0%	SD	2.12	SD	11.06	SD	1.12	SD	4.34
<b>DLQI 2-5</b>	N	53	N	42	N	17	N	21	N	38	N	39
	Mean	1.62	disse.	59.5	Mean	7.18	Mean	24.24	Mean	2.42	Mean	8.72
	SD	0.71	locali.	40.5%	SD	3.11	SD	45.49	SD	6.32	SD	16.73
<b>DLQI 6-10</b>	N	56	N	47	N	21	N	26	N	44	N	45
	Mean	1.88	disse.	59.6	Mean	7.14	Mean	22.96	Mean	1.72	Mean	9.30
	SD	0.76	locali.	40.4%	SD	3.68	SD	17.72	SD	1.54	SD	14.59
<b>DLQI 11-20</b>	N	64	N	57	N	34	N	42	N	57	N	58
	Mean	2.17	disse.	82.5	Mean	8.76	Mean	16.95	Mean	1.31	Mean	9.63
	SD	0.70	locali.	17.7%	SD	3.14	SD	15.03	SD	1.54	SD	10.71
<b>DLQI 21-30</b>	N	17	N	16	N	7	N	12	N	15	N	15
	Mean	2.35	disse.	93.8%	Mean	9.29	Mean	15.92	Mean	4.84	Mean	18.26
	SD	0.49	locali.	6.3%	SD	2.14	SD	7.39	SD	12.5182	SD	25.02
Total	N	204	N	174	N	81	N	104	N	161	N	164
	Mean	1.91	disse.	69.5%	Mean	8.00	Mean	19.62	Mean	2.01	Mean	9.84
	SD	0.75	locali.	30.5%	SD	3.25	SD	24.30	SD	5.05	SD	15.04
p-Value	<b>&lt;0.001<sup>2***</sup></b>		<b>&lt;0.001<sup>1***</sup></b>		0.145 <sup>2</sup>		0.332 <sup>2</sup>		0.079 <sup>2</sup>		0.147 <sup>2</sup>	
	Item 6a: Across		Item 6b: Elevation		Item 6b: Cross		Item 6b: Across		Item 7a		Item 7b	
<b>DLQI 0-1</b>	N	7	N	7	N	7	N	7	N	13	N	13
	Mean	2.57	Mean	1.31	Mean	2.67	Mean	2.41	Mean	1.54	Mean	1.69
	SD	2.97	SD	1.12	SD	2.40	SD	2.16	SD	0.88	SD	0.86
<b>DLQI 2-5</b>	N	39	N	38	N	39	N	39	N	54	N	53
	Mean	6.34	Mean	1.24	Mean	4.18	Mean	3.51	Mean	1.63	Mean	2.19
	SD	8.23	SD	0.77	SD	4.81	SD	3.49	SD	0.96	SD	1.23
<b>DLQI 6-10</b>	N	45	N	44	N	45	N	45	N	53	N	53
	Mean	7.64	Mean	1.45	Mean	4.51	Mean	4.17	Mean	2.13	Mean	2.26
	SD	10.9635	SD	1.83	SD	4.51	SD	4.30	SD	1.09	SD	1.13
<b>DLQI 11-20</b>	N	58	N	57	N	58	N	58	N	65	N	65
	Mean	7.96	Mean	0.87	Mean	7.89	Mean	6.28	Mean	2.46	Mean	2.45
	SD	9.49	SD	0.74	SD	19.749	SD	13.464	SD	1.09	SD	1.10
<b>DLQI 1-30</b>	N	15	N	15	N	15	N	15	N	17	N	17
	Mean	16.933	Mean	3.17	Mean	9.50	Mean	8.31	Mean	2.47	Mean	2.53
	SD	24.9069	SD	7.46	SD	12.8438	SD	12.4436	SD	1.13	SD	1.28

Total	N	164	N	161	N	164	N	164	N	202	N	201
	Mean	8.08	Mean	1.35	Mean	6.00	Mean	5.07	Mean	2.09	Mean	2.29
	SD	11.9421	SD	2.56	SD	12.8811	SD	9.34	SD	1.10	SD	1.15
p-Value	0.100 <sup>2</sup>		0.072 <sup>2</sup>		0.406 <sup>2</sup>		0.577 <sup>2</sup>		<0.001 <sup>2***</sup>		0.176 <sup>2</sup>	

**Table SIV. Inter-item correlation in the whole prurigo population (n=264). Bold numbers show significant correlations and p values.**

	Item 1a: Nodules	Item 1a: Plaques	Item 1a: Ulcers	Item 1a: Maculae	Item 1b	Item 2	Item 3	Item 4	Item 5	Item 6a	Item 6b	Item 7a	Item 7b
Item 1a: Papules	<b>0.013</b>	0.161	<b>0.011</b>	0.073	<b>&lt;0.001</b>	0.508	0.221	0.917	0.289	<b>0.048</b> <b>&lt;0.001</b>	<b>0.029</b> <b>&lt;0.001</b>	0.928	<b>0.029</b>
Item 1a: Nodules		0.298	0.943	0.491	<b>0.001</b>	<b>&lt;0.001</b>	<b>0.009</b>	0.156	<b>0.012</b>	0.159 <b>&lt;0.001</b> <b>0.002</b>	0.364 <b>&lt;0.001</b> <b>0.005</b>	<b>0.001</b>	0.153
Item 1a: Plaques			0.167	0.486	<b>&lt;0.001</b>	<b>0.046</b>	0.199	<b>0.014</b>	0.174	0.054 <b>0.047</b> 0.062	0.207 0.327 0.100	<b>0.018</b>	0.051
Item 1a: Ulcers				1.000	<b>&lt;0.001</b>	0.349	0.245	0.578	0.609	0.087 0.168 0.388	0.217 0.289 0.679	<b>0.018</b>	0.557
Item 1a: Maculae					<b>0.010</b>	0.089	0.568	0.630	0.118	0.510 0.333 0.333	0.756 0.084 0.058	0.796	0.314
Item 1b						<b>0.003</b>	0.222	<b>0.014</b>	0.689	0.608 <b>0.000</b> <b>0.002</b>	0.930 <b>0.008</b> <b>0.006</b>	0.096	0.745
Item 2							<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.380 <b>&lt;0.001</b> <b>0.006</b>	0.331 <b>&lt;0.001</b> <b>0.010</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>
Item 3								<b>&lt;0.001</b>	<b>0.006</b>	0.239 0.074 0.087	0.199 0.063 0.108	<b>&lt;0.001</b>	0.309
Item 4: No areas									<b>0.044</b>	0.047 0.761 0.628	0.165 0.760 0.901	<b>0.004</b>	<b>0.039</b>
Item 5										<b>0.038</b> <b>0.015</b> 0.060	0.396 <b>0.011</b> <b>0.015</b>	<b>0.005</b>	<b>0.004</b>
Item 6a: Elevation										<b>&lt;0.001</b> <b>&lt;0.001</b>	<b>&lt;0.001</b> <b>&lt;0.001</b>	0.174	0.485
Item 6a: cross										<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.003</b>	0.064
Item 6a: across										<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>0.048</b>	0.395
Item 6b: Elevation											<b>&lt;0.001</b> <b>&lt;0.001</b>	0.334	0.977
Item 6b: Cross											<b>&lt;0.001</b>	0.095	0.148
Item 6b: Across												0.155	0.394
Item 7a													<b>&lt;0.001</b>