

Table SIV. Spearman correlations and the corresponding p-values in mastocytosis patients

	Age	Heuristic happiness	SWL	PA	NA	QoL-Physical	QoL-Psychological	QoL-Social	QoL-Environmental	QoL-Total	CPC-Hope	CPC-Optimism	CPC-Resilience	CPC-Self-efficacy	CPC-Total
Age	1														
Heuristic happiness	-0.5794	1													
SWL	-0.4233	0.2768	1												
PA	0.0803	0.1824	0.0625	1											
NA	-0.4198	0.5504	0.1875	0.4403	1										
QoL-Physical	-0.2831	0.5553	0.405	0.1881	-0.0188	1									
QoL-Psychological	-0.0488	-0.0917	0.8025	0.2205	-0.0031	0.0526	1								
QoL-Social	-0.2011	-0.1672	0.6765	0.1883	0.0297	0.2405	0.5548	1							
QoL-Environmental	-0.3951	0.2775	0.9231	0.0712	0.1672	0.3797	0.8196	0.6898	1						
QoL-Total	-0.4512	0.4552	0.8642	0.382	0.2205	0.6935	0.6718	0.6527	0.8685	1					
CPC-Hope	-0.1371	0.2076	0.8645	0.019	0.2222	0.1266	0.7996	0.387	0.7627	0.6083	1				
CPC-Optimism	0.0982	-0.0362	0.7329	0.0813	0.1469	0.0312	0.7747	0.3218	0.5662	0.4537	0.8676	1			
CPC-Resilience	-0.207	0.2089	0.7557	0.3738	0.4665	0.3153	0.6185	0.4096	0.5569	0.6533	0.7387	0.832	1		
CPC-Self-efficacy	0.3366	-0.2712	0.2776	0.2921	-0.3587	-0.0253	0.4609	0.2168	0.0719	0.1881	0.3333	0.53	0.3355	1	
CPC-Total	-0.0973	0.0424	0.757	0.1889	0.2446	0.0401	0.7768	0.3319	0.564	0.5168	0.8221	0.96	0.8841	0.5564	1

p-values of significance test															
Age	NA														
Heuristic happiness	0.0792	NA													
SWL	0.2228	0.4388	NA												
PA	0.8256	0.6141	0.8638	NA											
NA	0.2271	0.0992	0.6040	0.2029	NA										
QoL-Physical	0.4280	0.0956	0.2457	0.6028	0.9589	NA									
QoL-Psychological	0.8935	0.8011	0.0052	0.5404	0.9932	0.8852	NA								
QoL-Social	0.5774	0.6442	0.0317	0.6023	0.9350	0.5034	0.0960	NA							
QoL-Environmental	0.2584	0.4376	0.0001	0.8450	0.6443	0.2792	0.0037	0.0273	NA						
QoL-Total	0.1905	0.1862	0.0013	0.2760	0.5404	0.0261	0.0334	0.0408	0.0011	NA					
CPC-Hope	0.7056	0.5650	0.0012	0.9583	0.5372	0.7275	0.0055	0.2693	0.0103	0.0620	NA				
CPC-Optimism	0.7873	0.9208	0.0159	0.8234	0.6855	0.9319	0.0085	0.3645	0.0880	0.1878	0.0011	NA			
CPC-Resilience	0.5661	0.5625	0.0115	0.2872	0.1741	0.3748	0.0566	0.2398	0.0945	0.0405	0.0147	0.0028	NA		
CPC-Self-efficacy	0.3416	0.4486	0.4374	0.4129	0.3087	0.9447	0.1800	0.5473	0.8435	0.6027	0.3466	0.1150	0.3433	NA	
CPC-Total	0.7892	0.9073	0.0112	0.6013	0.4958	0.9124	0.0082	0.3488	0.0895	0.1261	0.0035	0.0000	0.0007	0.0948	NA

Age	NA														
Heuristic happiness	0.1931	NA													
SWL	0.8371	0.0203	NA												
PA	0.5354	0.0062	0.0426	NA											
NA	0.1431	0.0133	0.0136	0.0154	NA										
QoL-Physical	0.3597	0.2146	0.0678	0.1694	0.0620	NA									
QoL-Psychological	0.4374	0.0227	0.0008	0.0317	0.0026	0.0008	NA								
QoL-Social	0.7191	0.0645	0.0113	0.0038	0.0311	0.0001	0.0009	NA							
QoL-Environmental	0.2331	0.0292	0.0078	0.1075	0.0277	0.0000	0.0031	0.0018	NA						
QoL-Total	0.3908	0.0138	0.0007	0.0239	0.0048	0.0000	0.0000	0.0000	0.0000	NA					
CPC-Hope	0.1238	0.0199	0.0128	0.0806	0.0000	0.0013	0.0002	0.0031	0.0007	0.0000	NA				
CPC-Optimism	0.1098	0.0254	0.0618	0.0248	0.0008	0.0037	0.0284	0.0002	0.0015	0.0007	0.0000	NA			
CPC-Resilience	0.5038	0.0009	0.0410	0.0243	0.0420	0.0111	0.0194	0.0001	0.0126	0.0015	0.0033	0.0001	NA		
CPC-Self-efficacy	0.6238	0.0156	0.0232	0.0055	0.0002	0.0284	0.0040	0.0051	0.0136	0.0026	0.0000	0.0002	0.0004	NA	
CPC-Total	0.1896	0.0072	0.0263	0.0102	0.0003	0.0050	0.0063	0.0003	0.0026	0.0003	0.0000	0.0000	0.0000	0.0000	NA

Table SVII. Spearman correlations and the corresponding p-values in keratinocyte carcinoma patients

	Age	Heuristic happiness	SWL	PA	NA	QoL-Physical	QoL-Psychological	QoL-Social	QoL-Environmental	QoL-Total	CPC-Hope	CPC-Optimism	CPC-Resilience	CPC-Self-efficacy	CPC-Total
Age	1														
Heuristic happiness	0.0516	1													
SWL	-0.1373	0.5145	1												
PA	0.0163	0.3567	0.461	1											
NA	0.0806	-0.3664	-0.3316	-0.3276	1										
QoL-Physical	-0.108	0.3482	0.5742	0.4542	-0.411	1									
QoL-Psychological	-0.1449	0.4419	0.63	0.5235	-0.4349	0.7188	1								
QoL-Social	-0.2025	0.2947	0.4784	0.4604	-0.247	0.5864	0.5985	1							
QoL-Environmental	-0.211	0.3415	0.5954	0.5121	-0.3836	0.5858	0.7356	0.6617	1						
QoL-Total	-0.1922	0.4128	0.6784	0.5788	-0.4318	0.8761	0.8907	0.7741	0.8469	1					
CPC-Hope	-0.0443	0.4687	0.6229	0.412	-0.2745	0.4357	0.4828	0.3896	0.444	0.51	1				
CPC-Optimism	-0.12	0.4267	0.6092	0.4342	-0.2359	0.4398	0.5755	0.4705	0.5809	0.5977	0.6366	1			
CPC-Resilience	-0.0866	0.3431	0.5794	0.3851	-0.1774	0.4639	0.4907	0.3566	0.4558	0.5229	0.544	0.6917	1		
CPC-Self-efficacy	-0.0859	0.4586	0.6466	0.4471	-0.2975	0.4009	0.5193	0.5007	0.5349	0.5687	0.6806	0.6985	0.6649	1	
CPC-Total	-0.1152	0.4817	0.7028	0.4716	-0.2957	0.5	0.5862	0.4725	0.5746	0.6276	0.7901	0.8856	0.843	0.8718	1

Table SVIII. Spearman correlations between heuristic happiness and happiness-related scales in different age groups

	18to29	30to39	40to49	50to59	60plus
Heuristic happiness	1	1	1	1	1
SWL	0.4795	0.5018	0.4498	0.3292	0.4743
PA	0.2000	0.3752	0.3902	0.2847	0.4153
NA	-0.2936	-0.2013	-0.2353	-0.2585	-0.3845
QoL-Physical	0.4118	0.3879	0.4240	0.4055	0.3189
QoL-Psychological	0.3505	0.4427	0.3599	0.3329	0.4184
QoL-Social	0.2353	0.3264	0.4238	0.3729	0.1993
QoL-Environmental	0.2821	0.4085	0.3282	0.3916	0.3269
QoL-Total	0.3735	0.4647	0.4748	0.4629	0.3810
CPC-Hope	0.3986	0.4627	0.5226	0.2822	0.4984
CPC-Optimism	0.2176	0.5259	0.4230	0.1761	0.4627
CPC-Resilience	0.3042	0.3542	0.2482	0.2413	0.3709
CPC-Self-efficacy	0.2297	0.3107	0.4054	0.2427	0.4919
CPC-Total	0.3069	0.4933	0.4666	0.2586	0.5096
p-values of significance test					
Heuristic happiness	NA	NA	NA	NA	NA
SWL	0.0006	0.0000	0.0000	0.0027	0.0000
PA	0.1776	0.0004	0.0001	0.0100	0.0000
NA	0.0452	0.0663	0.0239	0.0198	0.0000
QoL-Physical	0.0040	0.0003	0.0000	0.0002	0.0007
QoL-Psychological	0.0157	0.0000	0.0004	0.0024	0.0000
QoL-Social	0.1114	0.0024	0.0000	0.0006	0.0369
QoL-Environmental	0.0547	0.0001	0.0014	0.0003	0.0005
QoL-Total	0.0097	0.0000	0.0000	0.0000	0.0000
CPC-Hope	0.0055	0.0000	0.0000	0.0107	0.0000
CPC-Optimism	0.1417	0.0000	0.0000	0.1159	0.0000
CPC-Resilience	0.0376	0.0009	0.0170	0.0300	0.0001
CPC-Self-efficacy	0.1204	0.0040	0.0001	0.0290	0.0000
CPC-Total	0.0359	0.0000	0.0000	0.0197	0.0000