

Table SI. Results of multiple, hierarchical linear and logistic regressions with depressive symptoms, anxiety, somatic symptoms, and pruritus-related quality of life (QoL) impairment as dependent variables, pruritus severity (Itch Severity Scale (ISS)-total scores) as independent variable, controlling for sex and sleep quality impairment

	Predictors	Beta	p	R <sup>2</sup>
<i>Dependent variable: Depressive symptoms (BDI-13) Linear regression</i>				
Step 1	ISS-total	0.77	<b>0.001</b>	0.23
Step 2	ISS-total	0.72	<b>0.001</b>	
	Sex	0.10	0.376	0.24
Step 3	ISS-total	0.35	0.085	
	Sex	0.12	0.235	
	Sleep Quality Impairment	0.30	<b>0.012</b>	0.33
<i>Dependent variable: Moderately-severely depressed (BDI-13 cut-off 9) Logistic regression</i>				
				OR
Step 1	ISS-total	0.28	<b>0.001</b>	1.32
Step 2	ISS-total	0.26	0.001	1.30
	Sex	0.26	0.635	1.29
Step 3	ISS-total	0.17	0.064	1.19
	Sex	0.36	0.519	1.43
	Sleep Quality Impairment	0.35	<b>0.039</b>	1.42
<i>Dependent variable: Anxiety (BSI-18) Linear regression</i>				
				R <sup>2</sup>
Step 1	ISS-total	0.37	<b>0.001</b>	0.14
Step 2	ISS-Total	0.32	<b>0.005</b>	
	Sex	0.14	0.213	0.16
Step 3	ISS-Total	0.26	0.059	
	Sex	0.15	0.195	
	Sleep Quality Impairment	0.10	0.447	0.16
<i>Dependent variable: Somatic symptoms (BSI-18) Linear regression</i>				
Step 1	ISS-total	0.31	<b>0.005</b>	0.09
Step 2	ISS-total	0.25	<b>0.034</b>	
	Sex	0.16	0.165	0.12
Step 3	ISS-total	0.01	0.923	
	Sex	0.19	0.090	
	Sleep Quality Impairment	0.39	<b>0.003</b>	0.21
<i>Dependent variable: Pruritus-related QoL-impairment. Linear regression</i>				
Step 1	ISS-total	0.60	<b>0.001</b>	0.36
Step 2	ISS-total	0.60	<b>0.001</b>	
	Sex	-0.01	0.890	0.36
Step 3	ISS-total	0.59	<b>0.001</b>	
	Sex	-0.01	0.898	
	Sleep Quality Impairment	0.015	0.912	0.36

BDI: Brief Symptom Inventory; BSI: Brief Symptom Inventory. Significant values are shown in bold.