

Table SII. Results of analyses of impairment of sleep quality as a mediator of the association between pruritus severity (Itch Severity Scale (ISS)-total) and the dependent variables of depressive symptoms (Beck Depression Inventory (BDI)-13), anxiety (BSI-18 Anxiety subscale), and non-specific somatic symptoms (BSI-18 Somatization subscale)

Step	Coefficient	p
<i>Testing for mediation of the association between pruritus severity (ISS) and depressive symptoms (BDI-13)</i>		
A: IV predicts DV	0.76	0.00001
B: IV predicts mediator	0.27	0.00001
C: Mediator predicts DV, controlling for the IV	1.10	0.003
D: IV–DV association reduced, controlling for the mediator	0.49	0.007
Sobel test of mediation (Bootstrap re-samples: 10,000): Effect: 0.20; z=2.79; p= 0.005		
<i>Testing for mediation of the association between pruritus severity (ISS) and anxiety (BSI-18)</i>		
A: IV predicts DV	0.41	0.0001
B: IV predicts mediator	0.27	0.00001
C: Mediator predicts DV, controlling for the IV	0.24	0.35
D: IV–DV association reduced, controlling for the mediator	0.29	0.02
Sobel test of mediation (Bootstrap re-samples: 10,000): Effect: 0.95; p=0.343		
<i>Testing for mediation of the association between affective pruritus severity (ISS) and somatic symptoms (BSI-18)</i>		
A: IV predicts DV	0.34	0.004
B: IV predicts mediator	0.27	0.00001
C: Mediator predicts DV, controlling for the IV	0.76	0.006
D: IV–DV association reduced, controlling for the mediator	0.14	0.31
Sobel test of mediation (Bootstrap re-samples: 10,000): Effect: 0.12; z=2.32; p= 0.02		

IV: independent variable; DV: dependent variable. Significant values are shown in bold.