

## Supplementary material

**Table 1S – Acceptability data of the Kohnen Restless Legs Syndrome–Quality of Life questionnaire.**

	<b>Median</b>	<b>Mean</b>	<b>Skewness</b>	<b>Floor effect</b>	<b>Ceiling effect</b>
1. Disturb sleep	4	3.81	-0.60	0.11	25.87
2. Impair performance	3	2.72	-0.39	7.39	6.61
3. Impair mental health	3	2.84	-0.53	8.06	8.29
4. Impair social activity	2	2.00	0.02	24.97	2.80
<b>D1. Effects of RLS-symptoms</b>	12	11.37	-0.16	0.00	1.90
5. Impair daytime activity	3	2.85	-0.38	4.71	7.62
6. Impair mental health	3	2.87	-0.41	4.60	6.95
<b>D2. Disturbed sleep effects</b>	6	5.72	-0.36	2.24	5.27
7. Side effects medication	0	0.92	1.24	62.11	1.46
8. Pain in legs or arms	3	2.58	-0.41	13.00	5.61
<b>D3. Effects of other features</b>	3	3.50	0.42	9.53	0.78
9. Burden of relief methods	3	2.86	-0.60	7.40	6.39
10. Avoiding activities	3	2.40	-0.13	23.21	10.20
11. Change in way of life	2	1.97	0.12	30.38	4.48
<b>D4. Handling RLS-symptoms</b>	7	7.23	-0.00	3.36	1.46
12. Impair your QoL <b>D5. Overall quality of life</b>	3	3.19	-0.69	2.69	9.08
<b>KRLS-QoL Index*</b>	2.55	2.53	-0.00	0.22	0.11

\* From items 1 to 11 (see text)

**Table 2S – Scaling assumptions data\* of the Kohnen Restless Legs Syndrome–Quality of Life questionnaire**

	<b>SD</b>	<b>SE<sub>m</sub></b>	<b>Variance</b>	<b>CI95%</b>
1. Disturb sleep	0.95	0.032	0.91	3.75 – 3.88
2. Impair performance	1.26	0.042	1.60	2.64 – 2.81
3. Impair mental health	1.32	0.044	1.74	2.76 – 2.93
4. Impair social activity	1.48	0.049	2.18	1.90 – 2.09
5. Impair daytime activity	1.21	0.040	1.45	2.77 – 2.93
6. Impair mental health	1.18	0.039	1.40	2.79 – 2.94
7. Side effects medication	1.37	0.045	1.87	0.83 – 1.01
8. Pain in legs or arms	1.41	0.047	2.00	2.49 – 2.67
9. Burden of relief methods	1.32	0.044	1.74	2.78 – 2.95
10. Avoiding activities	1.71	0.057	2.93	2.29 – 2.52
11. Change in way of life	1.61	0.054	2.60	1.86 – 2.07

SD: Standard deviation.

SE<sub>m</sub>: Standard error of the mean.

CI95%: Confidence interval 95%.

**Table 3S – Correlations between the Kohnen Restless Legs Syndrome–Quality of Life questionnaire scores and other variables**

	<b>KRLS-QoL Domains</b>					<b>KRLS-QoL Index</b>
	<b>D1.</b> Effects of RLS-symptoms	<b>D2.</b> Disturbed sleep effects	<b>D3.</b> Effects of other features	<b>D4.</b> Handling RLS-symptoms	<b>D5.</b> Overall quality of life	
<b>Age at study</b>	-0.04	-0.12	0.04	0.01	-0.05	-0.03
<b>RLS duration</b>	0.09	0.05	0.04	0.16	0.04	0.12
<b>Age at onset<sup>b</sup></b>	-0.11	-0.13	-0.01	-0.12	-0.09	-0.12
<b>IRLS Total score</b>	0.72	0.57	0.39	0.49	0.60	0.68
<b>IRLS Subscore severity</b>	0.56	0.36	0.27	0.38	0.49	0.50
<b>IRLS Subscore impact</b>	0.74	0.68	0.43	0.52	0.59	0.73
<b>RLS-6 – Sleep quality</b>	0.59	0.58	0.30	0.39	0.49	0.57
<b>RLS-6 – Nighttime</b>	0.52	0.34	0.25	0.34	0.45	0.47
<b>RLS-6 – Daytime</b>	0.42	0.31	0.28	0.33	0.34	0.42
<b>RLS-6 - Mimics</b>	0.34	0.25	0.29	0.22	0.26	0.33
<b>Clinical Global Impression</b>	0.42	0.33	0.27	0.32	0.37	0.42
<b>Epworth Sleepiness Scale</b>	0.12	0.25	0.12	0.14	0.08	0.18
<b>D1.</b> Effects of RLS-symptoms	---					
<b>D2.</b> Disturbed sleep effects	0.74	---				
<b>D3.</b> Effects of other features	0.48	0.43	---			
<b>D4.</b> Handling RLS-symptoms	0.63	0.54	0.43	---		
<b>D5.</b> Overall quality of life	0.74	0.61	0.42	0.59	---	0.74

D: Domain. IRLS: International Restless Legs Scale. RLS-6: Restless Legs Syndrome-6 scales.