Supplementary Table 1. Correlations between NDI score and radiographic parameters

Variable	Spearman's rho	p-value
C2-C7 Cobb angle, °	-0.409	<0.001
C7 slope, °	0.526	<0.001
T1 slope, °	0.651	<0.001
T1S-CL mismatch, °	0.759	<0.001

NDI: Neck disability index, T1S-CL mismatch: T1 slope-C2-C7 Cobb angle

Supplementary Table 2. Univariable logistic regression analysis for poor sleep quality

Variable	OR	95% CI	p-value
Age	1.034	0.987-1.083	0.157
Male sex	2.386	0.965-5.903	0.060
C2-C7 Cobb angle	0.924	0.884-0.965	<0.001
C7 slope	0.986	0.938-1.036	0.576
T1 slope	0.918	0.867-0.972	0.003
T1S-CL mismatch	1.019	0.985-1.055	0.273
NDI score	1.111	1.001-1.234	0.048
Symptom duration	1.103	0.944-1.289	0.218
Medical treatment	1.280	0.530-3.092	0.583
Physical therapy	2.618	0.833-8.229	0.100
Lifestyle change	1.729	0.732-4.083	0.211
Exercise	4.943	1.966-12.427	<0.001

ORs for continuous variables are reported per 1-unit increase. OR: Odds ratio, CI: Confidence interval, NDI: Neck disability index, T1S-CL mismatch: T1 slope-C2-C7 Cobb angle