

Appendix

TABLE E-1 The Distribution of Answers in the EQ-5D Domains for the Treatment Groups, Adjusted for Age and Sex

	EQ-5D Domains				
	Mobility	Self-Care	Usual Activities	Pain	Anxiety
Untreated group*† (n = 347)					
No problem	326 (94%)	340 (98%)	315 (91%)	145 (42%)	255 (74%)
Moderate	20 (6%)	4 (1%)	28 (8%)	187 (54%)	84 (24%)
Severe	0 (0%)	2 (1%)	3 (1%)	13 (4%)	6 (2%)
Brace-treated group* (n = 459)					
No problem	437 (95%)	454 (99%)	425 (93%)	205 (45%)	323 (70%)
Moderate	21 (5%)	5 (1%)	33 (7%)	238 (52%)	124 (28%)
Severe	1 (0.2%)	0 (0%)	1 (0.2%)	16 (3%)	12 (3%)
Surgically treated group* (n = 381)					
No problem	343 (90%)	375 (98%)	331 (87%)	153 (40%)	245 (64%)
Moderate	37 (10%)	3 (1%)	48 (12%)	201 (53%)	126 (33%)
Severe	1 (0.3%)	3 (1%)	2 (1%)	27 (7%)	10 (3%)
P value	0.001	0.55	0.016	0.26	0.07

*The values are given as the number of individuals, with the percentage in parentheses. †In this group, 3 individuals were missing data for the domains of Mobility, Self-Care, and Usual Activities, and 2 individuals were missing data for the domains of Pain and Anxiety.

TABLE E-2 Comparisons Between Untreated Individuals Stratified by Age at the Time of the Study

	Age Group*			P Value
	≤25 Yr (N = 82)	26 to 45 Yr (N = 137)	≥46 Yr (N = 128)	
SRS-22r (<i>points</i>)				
Function	4.47 ± 0.59	4.51 ± 0.61	4.42 ± 0.69	0.63
Pain	4.14 ± 0.76	4.18 ± 0.73	4.16 ± 0.78	0.93
Self-image	3.91 ± 0.80	4.06 ± 0.70	3.94 ± 0.78	0.13
Mental health	3.86 ± 0.77	3.97 ± 0.73	4.12 ± 0.62	0.17
Subscore	4.09 ± 0.60	4.18 ± 0.57	4.16 ± 0.59	0.54
EQ-5D index (<i>points</i>)	0.80 ± 0.20	0.84 ± 0.17	0.81 ± 0.23	0.34

*The values are given as the mean and the standard deviation.

TABLE E-3 Comparisons Between Brace-Treated Individuals Stratified by Age at the Time of the Study

	Age Group*			P Value
	≤25 Yr (N = 80)	26 to 45 Yr (N = 196)	≥46 Yr (N = 183)	
SRS-22r (<i>points</i>)				
Function	4.52 ± 0.50	4.50 ± 0.61	4.45 ± 0.66	0.64
Pain	4.20 ± 0.71	4.16 ± 0.79	4.07 ± 0.81	0.36
Self-image	3.92 ± 0.73	3.92 ± 0.79	3.70 ± 0.77	0.011
Mental health	3.78 ± 0.69	3.98 ± 0.71	3.93 ± 0.74	0.11
Subscore	4.10 ± 0.52	4.14 ± 0.58	4.04 ± 0.59	0.21
EQ-5D index (<i>points</i>)	0.83 ± 0.19	0.82 ± 0.20	0.82 ± 0.19	0.90

*The values are given as the mean and the standard deviation.

TABLE E-4 Comparisons Between Surgically Treated Individuals Stratified by Age at the Time of the Study

	Age Group*			P Value
	≤25 Yr (N = 144)	26 to 45 Yr (N = 110)	≥46 Yr (N = 127)	
SRS-22r (<i>points</i>)				
Function	4.40 ± 0.66	4.37 ± 0.75	4.23 ± 0.85	0.14
Pain	4.08 ± 0.82	4.05 ± 0.86	4.03 ± 0.98	0.90
Self-image	3.84 ± 0.85	3.85 ± 0.82	3.66 ± 0.80	0.13
Mental health	3.66 ± 0.77	3.97 ± 0.69	4.03 ± 0.75	<0.001
Subscore	3.99 ± 0.63	4.06 ± 0.64	3.99 ± 0.67	0.65
EQ-5D index (<i>points</i>)	0.78 ± 0.24	0.82 ± 0.21	0.77 ± 0.27	0.23

*The values are given as the mean and the standard deviation.

TABLE E-5 Comparisons Based on Curve Magnitude* in Untreated and Brace-Treated Individuals†

	Cobb Angle <30°‡ (N = 437)	Cobb Angle ≥30°‡ (N = 365)	P Value
SRS-22r (<i>points</i>)			
Function	4.56 ± 0.54	4.38 ± 0.68	<0.001
Pain	4.25 ± 0.72	4.02 ± 0.81	<0.001
Self-image	4.12 ± 0.67	3.60 ± 0.79	<0.001
Mental health	4.02 ± 0.68	3.90 ± 0.75	0.026
Subscore	4.24 ± 0.52	3.98 ± 0.61	<0.001
EQ-5D index (<i>points</i>)	0.83 ± 0.19	0.80 ± 0.20	0.029

*Curve magnitude was determined from the last available radiograph during the clinical follow-up at the mean age of 19.5 ± 4.9 years. †Data were missing for 4 individuals. ‡The values are given as the mean and the standard deviation.

TABLE E-6 Descriptive Statistics and Comparisons Between Individuals with Juvenile and Adolescent Onset

	Adolescent Onset (N = 1,011)	Juvenile Onset (N = 176)	P Value
Female patients*	895 (89%)	153 (87%)	0.54
Age at survey† (yr)	39.1 ± 13	37.0 ± 11	0.038
Weight† (kg)	67 ± 13	67 ± 12	0.96
Height† (cm)	169.0 ± 7.7	169.1 ± 8.1	0.97
Body mass index† (kg/m ²)	23.5 ± 3.9	23.5 ± 3.5	0.85
Age at diagnosis† (yr)	13 ± 3	8 ± 2	—
SRS-22r subscore† (points)	4.09 ± 0.60	4.05 ± 0.61	0.48‡
EQ-5D index† (points)	0.81 ± 0.21	0.81 ± 0.22	0.93‡

*The values are given as the number of patients, with the percentage in parentheses. †The values are given as the mean and the standard deviation. ‡Adjusted for age.