

TABLE E-1 Curve Classification and Correction in Coronal Plane for the Scoliosis Patients
Scoliosis Patients (n = 190)

Classification of scoliosis (King) ⁶	
I	14 (7%)
II	62 (33%)
III	91 (48%)
IV	10 (5%)
V	13 (7%)
Thoracic curve*	
Preoperative (deg)	53 ± 10
Two-year follow-up (deg)	32 ± 12
Correction (%)	41 ± 20
Final follow-up (deg)	36 ± 13
Final correction (%)	31 ± 25
Lumbar curve*	
Preoperative (deg)	35 ± 12
Two-year follow-up (deg)	24 ± 13
Correction (%)	38 ± 30
Final follow-up (deg)	26 ± 13
Final correction (%)	26 ± 31

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

TABLE E-2 Radiographic Findings of the Spondylolisthesis Patients

	Spondylolisthesis Patients (n = 270)
Severity of anterior slip	
Low-grade (<50%)	197 (73%)
High-grade (≥50%)	73 (27%)
Vertebral slip* (%)	
Preoperative	44.2 ± 23.5
Last follow-up	41.0 ± 26.7
Patients with progression of the slip (≥10% points)	16
Lumbosacral kyphosis* (deg)	
Preoperative	0.8 ± 21.4
Last follow-up	2.7 ± 21.3
Patients with progression of kyphosis (≥10°)	35
Lumbar lordosis* (deg)	
Preoperative	45.5 ± 17.2
Last follow-up	50.7 ± 18.2

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

TABLE E-3 Scoliosis Research Society and Short Form-36 Questionnaire Descriptive Statistics as well as Pearson Correlation Coefficients Between the Questionnaires. Pooled results for the whole study population (n = 460)

		Scoliosis Research Society-24 Scores*							
		Total	Pain	General Self-Image	Function	Activity Level	Postop Self-Image	Postop Function	Satisfaction
Short Form-36 Scores*		95±13	3.9±0.71	4.1±0.74	4.1±0.68	4.1±0.84	4.0±1.0	3.5±1.2	4.2±0.73
Physical functioning	87±17	0.61	0.57	0.37	0.56	0.52	0.17†	0.27‡	0.33
Role physical	84±30	0.53	0.48	0.29‡	0.49	0.46	0.12†	0.32	0.21‡
Role emotional	88±27	0.35	0.24‡	0.18†	0.41	0.35	0.16†	0.20‡	0.09†
Bodily pain	71±21	0.60	0.68	0.28‡	0.49	0.51	0.12†	0.26‡	0.21‡
Vitality	64±17	0.56	0.44	0.31	0.53	0.42	0.34	0.28‡	0.22‡
Mental health	76±17	0.50	0.39	0.25‡	0.55	0.34	0.33	0.25‡	0.20‡
Social functioning	90±17	0.54	0.46	0.28‡	0.53	0.45	0.24‡	0.26‡	0.20‡
General health	70±20	0.61	0.61	0.29‡	0.58	0.57	0.13†	0.22‡	0.27‡
Physical component	52±64	0.59	0.54	0.34	0.55	0.51	0.16†	0.33	0.24‡
Mental component	51±8.2	0.61	0.65	0.33	0.50	0.55	0.07†	0.27‡	0.28‡

*Values are given as the pooled mean and standard deviation scores of each SRS-24 domain or SF-36 subscale and the Pearson correlation coefficients. All correlation coefficients show a P value of <0.001, except when otherwise indicated.

†Not significant at 0.01 level; ‡P < 0.01. (For example, in the comparison of the SF-36 physical functioning score and the SRS-24 pain score, the Pearson correlation coefficient $r = 0.57$ and the respective p value is <0.001). Postop = postoperative.