

TABLE E-1 Descriptive Data for All Twenty-five Patients with Five-Year Follow-up*

Patient No.	Case No.	Sex	Age (yr)	Lenke Type	Thoracic Cobb (deg)	Cobb Flexibility (%)	UEV	LEV	AV	Follow-up (mo)
1	2	F	14	1AN	42	64	T7	T12	T9	61
2	3	F	12	1AN	45	36	T6	T11	T9	61
3	4	F	12	1C+	52	40	T6	T11	T8	78
4	5	M	16	1AN	44	43	T6	T12	T9	59
5	6	F	15	1BN	43	56	T5	T11	T8	77
6	7	F	14	1AN	41	78	T6	T12	T10	80
7	8	F	15	1AN	55	40	T6	L1	T9	60
8	9	F	10	1BN	44	66	T5	T11	T8	66
9	11	F	11	1AN	57	53	T5	T12	T8	74
10	13	F	12	1CN	48	65	T7	T12	T9	60
11	15	F	14	1AN	56	54	T5	T12	T8	57
12	16	F	10	1AN	47	26	T5	T11	T7	65
13	17	F	13	1CN	44	72	T6	T12	T9	57
14	18	F	13	1B-	53	23	T4	T12	T8	60
15	19	F	15	3CN	56	41	T6	T11	T8/ T9	66
16	24	F	13	1CN	80	54	T6	T12	T9	61
17	29	M	12	1AN	69	65	T6	L1	T9	67
18	30	F	13	1CN	50	68	T5	T10	T8	64
19	31	F	13	1BN	52	60	T7	T12	T9	62
20	32	F	14	1CN	44	48	T6	T10	T8/ T9	61
21	34	F	12	2AN	59	46	T5	T12	T9	61
22	35	F	14	1AN	75	45	T6	T12	T9	55
23	36	F	16	1BN	58	57	T5	T11	T8/ T9	62
24	39	F	12	1AN	51	53	T5	T11	T8	58
25	41	F	14	1B-	55	51	T5	T11	T8	59

*UEV = upper end level, LEV = lower end level, and AV = apical vertebra.

TABLE E-2 Intervertebral Fusion Assessment (2-Year\5-Year)*

Case	T5-T6	T6-T7	T7-T8	T8-T9	T9-T10	T10-T11	T11-T12	T12-L1
2			1 \ 1	1 \ 1	1 \ 1	3 \ 2	2 \ 2	
3		1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1		
4		1 \ 1	1 \ 1	1 \ 1	1 \ 1	3 \ 1		
5			1 \ 1	1 \ 1	1 \ 1	3 \ 3	1 \ 1	1 \ 1
6	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 2	2 \ 2		
7		1 \ 1	1 \ 1	4 \ 4	1 \ 1	1 \ 1	1 \ 1	
8		1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1
9	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 1		
11	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 1	1 \ 1	1 \ 1	
13			1 \ 1	1 \ 1	1 \ 1	4 \ 4	2 \ 2	
15	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	
16	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1		
17	1 \ 1	1 \ 1	1 \ 1	3 \ 2	1 \ 1	1 \ 1		
18	1 \ 1	1 \ 1	1 \ 1	3 \ 2	1 \ 1	1 \ 1	1 \ 1	
19	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	
24		1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 2	
29	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 2	1 \ 1	1 \ 1
30	3 \ 2	1 \ 1	1 \ 1	1 \ 1	1 \ 1			
31		1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	
32		1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 1	1 \ 1	
34	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 2	
35	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1
36	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	2 \ 2		
39	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1		
41	1 \ 1	1 \ 1	1 \ 1	1 \ 1	1 \ 1	4 \ 4		

*Grade 1 = uniform bone filling of the disc space with trabecular remodeling; Grade 2 = bone formation over >50% of the disc space; Grade 3 = bridging bone formation with <50% of the disc space filled; and Grade 4 = no evidence of bone formation in the disc space or the presence of osteophytes.

TABLE E-3 Secondary Analysis: Comparison of Selected 2-Year Radiographic, Pulmonary Function, and SRS-24 Data Between Patients Lost to Follow-up and the Current Study Cohort

	Lost to Follow-up* (N = 14)	Current Cohort* (N = 25)	P Value
Main thoracic curve	26.8° ± 10.8°	23.4° ± 6.0°	0.16
Percent correction	51% ± 14%	56% ± 11%	0.15
Thoracic apical translation (<i>cm</i>)	1.8 ± 0.9	1.2 ± 1.3	0.16
Thoracic kyphosis (T5 to T12)	29.4° ± 7.1°	28.8° ± 10.5°	0.55
Forced vital capacity	87% ± 7%	92% ± 18%	0.65
Forced expiratory value in one second	84% ± 6%	83% ± 14%	0.84
SRS domain—pain	4.5 ± 0.4	4.4 ± 0.5	0.65
SRS domain—function	4.4 ± 0.4	4.4 ± 0.4	0.59
SRS domain—patient satisfaction	4.4 ± 0.9	4.5 ± 0.6	0.49

*Average ± standard deviation