

Appendix

TABLE E-1 Univariate Analysis for $\geq 10^\circ$ (Mild, Moderate, Pronounced, and Surgical-Candidate) Scoliosis*

	With $\geq 10^\circ$ Scoliosis (N = 205)	Without $\geq 10^\circ$ Scoliosis (N = 278)	P Value
Female:male ratio (<i>no. of patients</i>)	116:89	110:168	<0.001†
Interval between birth and surgery‡ (<i>d</i>)	107.4 \pm 105.1	115.7 \pm 107.9	0.540§
Cardiopulmonary bypass (<i>no. of patients</i>)	197 (96%)	262 (94%)	0.354†
Sternotomy (<i>no. of patients</i>)	200 (98%)	270 (97%)	0.768†
Left thoracotomy (<i>no. of patients</i>)	44 (21%)	35 (13%)	0.009†
Right thoracotomy (<i>no. of patients</i>)	28 (14%)	27 (10%)	0.177†
Bilateral thoracotomy (<i>no. of patients</i>)	11 (5%)	7 (3%)	0.102†
Number of surgical procedures‡	2.1 \pm 1.3	1.8 \pm 1.1	0.007§
Cardiomegaly (CTR $\geq 55\%$) (<i>no. of patients</i>)	36 (18%)	35 (13%)	0.073†
Postop. cyanosis (<i>no. of patients</i>)	28 (14%)	30 (11%)	0.338†
Postop. heart failure (<i>no. of patients</i>)	74 (36%)	65 (23%)	0.002†
NYHA class (1/2/3/4) (n = 475) (<i>no. of patients</i>)	0/152/48/3	1/248/21/2	<0.001†
Age at radiography‡ (<i>yr</i>)	14.9 \pm 2.9	14.1 \pm 2.8	0.002§

*CTR = cardiothoracic ratio, and NYHA = New York Heart Association. †Chi-square test. ‡The values are given as the mean

and the standard deviation. §Mann-Whitney U test.

TABLE E-2 Univariate Analysis for $\geq 20^\circ$ (Moderate, Pronounced, and Surgical-Candidate) Scoliosis*

	With $\geq 20^\circ$ Scoliosis (N = 52)	Without $\geq 20^\circ$ Scoliosis (N = 431)	P Value
Female:male ratio (<i>no. of patients</i>)	30:22	196:235	0.095†
Interval between birth and surgery‡ (<i>d</i>)	115.5 \pm 105.6	111.8 \pm 107.0	0.478§
Cardiopulmonary bypass (<i>no. of patients</i>)	50 (96%)	409 (95%)	0.693†
Sternotomy (<i>no. of patients</i>)	51 (98%)	419 (97%)	0.717†
Left thoracotomy (<i>no. of patients</i>)	13 (25%)	66 (15%)	0.062†
Right thoracotomy (<i>no. of patients</i>)	8 (15%)	47 (11%)	0.307†
Bilateral thoracotomy (<i>no. of patients</i>)	4 (8%)	14 (3%)	0.110†
Number of surgical procedures‡	2.4 \pm 1.3	1.9 \pm 1.1	0.001§
Cardiomegaly (CTR $\geq 55\%$) (<i>no. of patients</i>)	20 (38%)	51 (12%)	<0.001†
Postop. cyanosis (<i>no. of patients</i>)	4 (8%)	54 (13%)	0.311†
Postop. heart failure (<i>no. of patients</i>)	21 (40%)	118 (27%)	0.050†
NYHA class (1/2/3/4) (n = 475) (<i>no. of patients</i>)	0/31/19/0	1/369/50/5	<0.001†
Age at radiography‡ (<i>yr</i>)	15.6 \pm 2.6	14.3 \pm 2.9	<0.001§

*CTR = cardiothoracic ratio, and NYHA = New York Heart Association. †Chi-square test. ‡The values are given as the mean

and the standard deviation. §Mann-Whitney U test.

TABLE E-3 Univariate Analysis for $\geq 30^\circ$ (Pronounced and Surgical-Candidate) Scoliosis*

	With $\geq 30^\circ$ Scoliosis (N = 24)	Without $\geq 30^\circ$ Scoliosis (N = 459)	P Value
Female:male ratio (<i>no. of patients</i>)	15:9	211:248	0.768†
Interval between birth and surgery‡ (<i>d</i>)	96.8 \pm 90.0	113.0 \pm 107.5	0.980§
Cardiopulmonary bypass (<i>no. of patients</i>)	23 (96%)	436 (95%)	0.853†
Sternotomy (<i>no. of patients</i>)	24 (100%)	446 (97%)	0.403†
Left thoracotomy (<i>no. of patients</i>)	5 (21%)	74 (16%)	0.474†
Right thoracotomy (<i>no. of patients</i>)	3 (13%)	52 (11%)	0.798†
Bilateral thoracotomy (<i>no. of patients</i>)	3 (13%)	25 (5%)	0.020†
Number of surgical procedures‡	2.5 \pm 1.3	1.9 \pm 1.2	0.010§
Cardiomegaly (CTR $\geq 55\%$) (<i>no. of patients</i>)	10 (42%)	61 (13%)	<0.001†
Postop. cyanosis (<i>no. of patients</i>)	2 (8%)	56 (12%)	0.570†
Postop. heart failure (<i>no. of patients</i>)	8 (33%)	131 (29%)	0.613†
NYHA class (1/2/3/4) (n = 475) (<i>no. of patients</i>)	0/14/8/0	1/386/61/5	0.029†
Age at radiography‡ (<i>yr</i>)	15.5 \pm 2.7	14.4 \pm 2.9	0.033§

*CTR = cardiothoracic ratio, and NYHA = New York Heart Association. †Chi-square test. ‡The values are given as the mean

and the standard deviation. §Mann-Whitney U test.