



Fig. E-1
 Spinal cord swelling at the distraction sites.

TABLE E-1 Morphometric and Experimental Data for the Subjects

No.	Age (mo)	Weight (kg)	Thoracolumbar Spinal Length (mm)	Estimated Blood Loss (mL)	Vertebral Height (mm)	Disc Height (mm)	Segmental Height (mm)	Distraction Distance (mm)	
								Right Side	Left Side
1	3	51	550	280	22.8	2.8	25.6	16.3	15.7
2	4	54	585	870	23.7	3.2	26.9	27.7	28.3
3	3	47	583	720	24.3	2.8	27.1	30.4	30.3
4	3	52	563	250	24.5	3.3	27.8	18.5	18.3
5	3	55	572	230	24.3	3.4	27.7	23.8	24.2
6	3	55	568	540	26.3	3.2	29.5	17.4	16.7
7	4	53	564	780	24.4	3.1	27.5	25.3	26.5
8	4	50	537	480	24.2	3.4	27.6	16.7	17.4
9	3	48	538	650	23.2	3.4	26.5	24.4	25.2
10	3	48	530	810	24.7	3.5	28.2	15.8	16.2
11	3	51	540	820	23.8	3.4	27.2	15.8	16.4
12	4	52	545	940	24.8	3.3	28.1	21.3	21.1
13	4	54	564	850	23.5	3.5	27.0	17.7	18.2
14	3	53	555	510	24.1	3.4	27.5	17.2	17.6
15	3	52	564	490	26.2	3.3	29.5	18.1	18.3
16	3	50	535	450	23.9	3.1	27.0	16.5	16.8

TABLE E-2 Patterns of Recovery After Acute Spinal Cord Injury

No.	Type of Recovery*	Wake-Up Test Results	Two Days of Observation		
			Motor Grade	Response of Right Hind Leg	Response of Left Hind Leg
1	Incomplete	Pain and motor response	Standing with help	Positive	Negative
2	Incomplete	Pain and motor response	Standing with help	Negative	Positive
3	Unrecovered	No response	Standing impossible	Negative	Negative
4	Incomplete	Pain and motor response	Standing with help	Positive	Negative
5	Incomplete	Pain and motor response	Standing with help	Negative	Positive
6	Incomplete	Pain and motor response	Standing with help	Negative	Positive
7	Incomplete	Pain and motor response	Standing with help	Positive	Negative
8	Unrecovered	No response	Standing impossible	Negative	Negative
9	Incomplete	Pain and motor response	Standing with help	Negative	Positive
10	Incomplete	Pain and motor response	Standing with help	Positive	Negative
11	Incomplete	Pain and motor response	Standing with help	Positive	Negative
12	Unrecovered	No response	Standing impossible	Negative	Negative
13	Unrecovered	No response	Standing impossible	Negative	Negative
14	Unrecovered	No response	Standing impossible	Negative	Negative
15	Incomplete	Pain and motor response	Standing with help	Positive	Positive
16	Incomplete	Pain and motor response	Standing with help	Positive	Negative

*As indicated by TES-MEP.

TABLE E-3 Comparison of Incompletely Recovered and Unrecovered Groups

Parameter	Incompletely Recovered*	Unrecovered*	P Value†
Distraction distance (mm)	20.1 (17.02 to 23.18)	20.79 (13.85 to 27.73)	0.571
Weight (kg)	51.7 (50.1 to 53.4)	51.2 (47.8 to 54.7)	0.732
Estimated blood loss (mL)	560.9 (398.6 to 723.2)	700.0 (447.8 to 952.2)	0.282
Thoracolumbar spinal length (mm)	555.4 (543.5 to 567.2)	556.8 (534.7 to 578.9)	0.955
Vertebral height (mm)	24.3 (23.6 to 25.0)	24.2 (23.6 to 24.8)	0.910
Disc height (mm)	3.2 (3.1 to 3.4)	3.3 (2.9 to 3.6)	0.356
Segmental height (mm)	27.6 (26.8 to 28.4)	27.5 (26.9 to 28.0)	0.955

*The values are given as the mean, with the 95% confidence interval in parentheses. †Mann-Whitney U test.