

TABLE E-1 Summary of Treatments and Outcomes for Experimental and Control Groups of Fractured Limbs*

Group	Lithium Treatment			Outcome Measure†			
	Dose (mg/kg-wt/day)	Onset (days)	Duration (weeks)	Maximum Yield Torque (N-mm)	Tissue Mineral Density (mg HA/cm ³)	Minimum Torsional Rigidity (kN-mm ²)	Average Torsional Rigidity (kN-mm ²)
1	20	3	1	278.8 ± 108.1	921.2 ± 18.7	253.0 ± 71.6	432.8 ± 89.0
2	100	7	1	333.0 ± 124.2	889.8 ± 29.1	292.1 ± 66.7	561.5 ± 133.2
3	20	3	2	351.9 ± 89.6	915.2 ± 18.4	238.6 ± 51.9	460.8 ± 92.6
4	100	7	2	398.2 ± 244.5	899.5 ± 31.8	268.0 ± 47.0	509.6 ± 79.9
5	100	3	1	255.8 ± 89.1	920.9 ± 17.4	225.8 ± 40.4	415.0 ± 74.5
6 (saline)	–	–	–	302.2 ± 159.7	900.6 ± 13.0	280.4 ± 55.9	547.9 ± 106.4
7	60	5	1.5	330.5 ± 147.1	888.6 ± 28.9	261.2 ± 78.2	516.0 ± 175.2
8	20	7	1	393.5 ± 169.3	911.2 ± 37.6	275.4 ± 81.6	556.8 ± 245.7
9	100	3	2	276.7 ± 77.0	937.7 ± 38.9	198.5 ± 40.4	410.2 ± 123.0
10	20	7	2	481.1 ± 104.0	898.2 ± 21.0	310.7 ± 81.4	510.9 ± 124.7
11 (no treatment)	–	–	–	349.7 ± 125.2	907.4 ± 47.6	269.2 ± 51.0	494.9 ± 176.0

*The raw data are given for the four outcome measures that were determined to be significant by the design-of-experiments modeling. †Values are given as the average and standard deviation. HA = hydroxyapatite.

TABLE E-2 Summary of Treatments and Outcomes for Intact Contralateral Limbs*

Group	Lithium Treatment			Outcome Measure†			
	Dose (mg/kg-wt/day)	Onset (days)	Duration (weeks)	Maximum Yield Torque (N-mm)	Tissue Mineral Density (mg HA/cm ³)	Minimum Torsional Rigidity (kN-mm ²)	Average Torsional Rigidity (kN-mm ²)
5	100	3	1	380.4 ± 107.9	1092.5 ± 7.5	103.9 ± 10.9	165.7 ± 11.9
6 (saline)	–	–	–	363.5 ± 123.5	1078.2 ± 24.2	108.6 ± 9.4	172.2 ± 17.3
10	20	7	2	404.6 ± 87.9	1059.1 ± 22.4	116.1 ± 14.1	177.9 ± 18.6

*The raw data are given for the four outcome measures that were determined to be significant by the design-of-experiments modeling. †The values are given as the average and standard deviation. HA = hydroxyapatite.