

TABLE E-1 Walking Speed and Plantar Pressure

	Arthroplasty*	Arthrodesis*	P Value
Walking speed ( <i>m/min</i> )	61.19	59.71	0.373
Pressure ( <i>N/cm<sup>2</sup></i> )			
Hindfoot	31.11	39.71	0.184
Midfoot	11.27	16.13	0.114
First metatarsal head	36.18	47.75	0.330
Second metatarsal head	51.80	49.95	0.850
Third metatarsal head	43.26	56.46	0.086
Fourth metatarsal head	27.03	32.13	0.199
Fifth metatarsal head	23.86	24.29	0.953
Great toe	33.26	67.13	0.007
Aggregate of toes 2 to 5	25.06	36.11	0.094

\*The values are given as the mean.

TABLE E-2 Range of Motion

	Arthroplasty* (deg)	Arthrodesis* (deg)	P Value
First metatarsophalangeal			
Active			
Plantar flexion	-11.73		
Dorsiflexion	42.18		
Total range of motion	30.45		
Passive			
Plantar flexion	1.64		
Dorsiflexion	51.91		
Total range of motion	53.55		
Interphalangeal			
Active			
Plantar flexion	18.45	37.38	0.019
Dorsiflexion	4.45	5.96	0.314
Total range of motion	22.90	43.34	0.008
Passive			
Plantar flexion	34.73	52.88	0.023
Dorsiflexion	11.82	13.57	0.578
Total range of motion	46.55	66.45	0.039
Ankle			
Active			
Dorsiflexion with knee flexed	8.82	6.88	0.443
Dorsiflexion with knee extended	1.82	1.63	0.936
Plantar flexion with knee flexed	48	53.25	0.136
Plantar flexion with knee extended	49	53.75	0.116
Passive			
Dorsiflexion with knee flexed	15.64	13.88	0.538
Dorsiflexion with knee extended	7.73	7.5	0.915
Plantar flexion with knee flexed	54.82	58.5	0.175
Plantar flexion with knee extended	54.64	58.63	0.175

\*The values are given as the mean.