

Table E-1. Demographic Characteristics of the Patients

Subject	Age (years)	Interval* (Years)	Range of Motion (degrees)†		Ambulatory Status		Radiographic Alignment		Duration of Follow-up (Years)
			Preop	Postop	Preop	Postop	Preop	Postop	
1 Left	20	18.5	14(60)	55(25)	Wheelchair	Household ambulator	Valgus	Neutral	17
Right	20	18.5	32(60)	47(30)			Valgus	Neutral	17
2 Left	15	6	0(20)	85(0)	Wheelchair	Community ambulator	Neutral	Neutral	19
Right	15	6	65(35)	105(0)			Neutral	Neutral	19
3 Left	16	13	10(80)	90(0)	Wheelchair	Community ambulator	Valgus	Valgus	15
Right	16	13	65(25)	100(0)			Valgus	Valgus	15
4 Left	14	12	25(50)	115(0)	Wheelchair	Community ambulator	Varus	Neutral	12
Right	14	12	20(50)	105(0)			Varus	Neutral	12
5 Left	20	19	55(30)	55(0)	Wheelchair, household ambulator with crutches	Household ambulator with crutches, wheelchair for longer	Varus	Neutral	17
Right	20	19	55(25)	75(0)			Varus	Neutral	17
6 Left	16	12	15(35)	85(0)	Wheelchair	Community ambulator	Valgus	Neutral	18
Right	16	12	50(35)	75(0)			Valgus	Neutral	18
7 Right	20	12	85(0)	75(0)	1 block ambulation without assistance	Unlimited community ambulator (walks several miles without support)	Valgus	Neutral	12
8 Left	16	15	40(50)	60(15)	Wheelchair	Limited community ambulator (2-3 blocks unassisted, wheelchair for longer distances)	Valgus	Neutral	13
Right	15	14	20(55)	60(20)			Valgus	Neutral	13

*Interval = interval between disease onset and total knee arthroplasty

†Data are given as an arc of flexion, with the flexion contracture in parentheses

Table E-2 Other Procedures Performed on Patients

Patient	Procedures
1	Bilateral Total Hip Arthroplasty Proximal and Distal Patellar Realignment Left Wrist Arthrodesis Right Wrist Arthroplasty Bilateral Tibial Skeletal Traction
2	Bilateral Total Hip Arthroplasty Bilateral Total Elbow Arthroplasty Left Total Shoulder Arthroplasty Right Distal Ulnar and Radial Wedge Osteotomies Right Proximal Tibial Skeletal Traction
3	Bilateral Total Hip Arthroplasty Bilateral Knee Synovectomy Bilateral Total Shoulder Arthroplasty Bilateral Tibial Skeletal Traction
4	Bilateral Total Hip Arthroplasty Bilateral Tibial Skeletal Traction
5	Bilateral Total Hip Arthroplasty Bilateral Revision Total Hip Arthroplasty Bilateral Knee Synovectomy Bilateral Wrist Synovectomy Bilateral Supracondylar Femur Fracture Repair Right Proximal Tibial Osteotomy Right Midshaft Fibular Osteotomy Posterior Spinal Fusion With Harrington Rod Instrumentation
6	Bilateral Total Hip Arthroplasty
7	Bilateral Total Hip Arthroplasty 4 Bilateral Knee Synovectomies Left Below-Elbow Amputation
8	Right Total Hip Arthroplasty Left 1 st Metatarsophalangeal Fusion Right Calcaneus Varus Osteotomy Right Subtalar Fusion