

TABLE E-1 Outcomes According to Diagnosis

	Diagnosis		
	Primary Osteoarthritis	Posttraumatic Osteoarthritis	Rheumatoid Arthritis
Length of follow-up* ( <i>mo</i> )	33.6 ± 15.5	31.2 ± 15.3	33.0 ± 14.5
Age* ( <i>yr</i> )	68.0 ± 11.4	61.0 ± 12.0†	50.0 ± 13.5‡
Failure (%)	2.7	2.4	0
Intraoperative complication (%)	1.4	4.1	5.6
Postoperative complication (%)	10.0	10.2	3.0†
Revision (%)	7.1	9.3	3.0†
Visual analog scale pain score*			
Preoperative	7.9 ± 1.4	7.6 ± 1.4	8.0 ± 1.6
At latest follow-up	1.4 ± 1.9	2.0 ± 2.1	0.9 ± 1.5†
American Orthopaedic Foot & Ankle Society hindfoot score*			
Preoperative	44.4 ± 17.4	54.1 ± 15.1†	35.9 ± 18.0†
At latest follow-up	87.1 ± 12.4	83.4 ± 14.1	80.8 ± 14.5†
Ankle dorsiflexion* ( <i>deg</i> )			
Preoperative	8.1 ± 5.3	7.0 ± 6.3	6.6 ± 5.9
At latest follow-up	8.7 ± 5.6	7.4 ± 5.1	10.9 ± 4.6†
Ankle plantar flexion* ( <i>deg</i> )			
Preoperative	11.7 ± 6.8	13.1 ± 6.7	13.1 ± 8.7
At latest follow-up	14.4 ± 6.8	13.0 ± 6.0	14.3 ± 6.6
Total range of ankle motion* ( <i>deg</i> )			
Preoperative	19.8 ± 9.5	20.0 ± 10.2	19.6 ± 9.5
At latest follow-up	23.0 ± 8.0	20.4 ± 7.9†	25.3 ± 9.2
α angle* ( <i>deg</i> )	2.1 ± 3.2	2.2 ± 2.7	1.2 ± 2.8
β angle* ( <i>deg</i> )	5.5 ± 3.8	6.0 ± 4.0	6.8 ± 3.3
Posterior osteophyte (%)	34.3	25.4†	15.2†
Periprosthetic cyst (%)	14.9	2.4†	11.1

\*Values are given as the mean and the standard deviation. † $p < 0.05$  compared with primary osteoarthritis. ‡ $p < 0.01$  compared with primary osteoarthritis.

TABLE E-2 Radiolucency After Mobility Total Ankle Arthroplasty

Zone	Assessable (%)	Prevalence of Radiolucency (%)
Tibial 1	56	29
Tibial 2	100	3.1
Tibial 3	100	3.1
Tibial 4	100	3.1
Tibial 5	56	28.1
Tibial 6	92	37.3
Tibial 7	100	1.8
Tibial 8	100	2.2
Tibial 9	100	2.2
Tibial 10	92	32.5
Talar 1	100	2.2
Talar 2	100	0
Talar 3	100	2.2