

TABLE E-1 Preoperative Diagnoses

Diagnosis	No. of Patients	No. of Hips
Osteoarthritis	75	86
Posttraumatic arthritis	13	13
Developmental dysplasia	7	7
Slipped capital femoral epiphysis	3	4
Rheumatoid arthritis	3	3
Osteonecrosis	1	1
Legg-Calvé-Perthes	4	4
Morquio disease	1	1
Spastic hemiplegia with chronic dislocation	1	1
Total	108	120

TABLE E-2 Revisions and Reoperations

Case	Age at Index Procedure (yr)	Sex	Time to Revision (yr)	Component Revised	Reason for Revision
1	71.8	M	0.5	Liner	Dislocation
2	57.4	M	0.7	Liner	Dislocation
3	40.7	F	4.0	Stem and liner	Loose femoral component
4	31.2	M	4.4	Stem and liner	Loose femoral component
5	44.9	M	4.9	Stem and liner	Loose femoral component
6	51.9	M	5.2	Stem and liner	Loose femoral component
7	48.7	M	5.8	Liner	Dislocation
8	44.9	M	5.9	Stem and liner	Loose femoral component
9	61.5	M	6.1	Stem and liner	Loose femoral component
10	67.9	F	6.4	Stem and liner	Loose femoral component
11	67.4	M	6.5	Stem and liner	Loose femoral component
12	79.9	M	6.9	Stem and liner	Loose femoral component
13	58.5	M	7.9	Stem and liner	Loose femoral component
14	49.9	M	9.4	Stem and liner	Loose femoral component
15	35.2	M	10.6	Cup and liner	Wear and osteolysis
16	35.2	M	10.6	Cup and liner	Wear and osteolysis
17	38.0	M	11.9	Cup and liner	Wear and osteolysis
18	40.0	F	12.8	Cup and liner	Wear
19	57.2	M	12.9	Stem and liner	Loose femoral component
20	62.9	F	14.8	Liner	Wear
21	52.1	M	17.2	Stem and liner	Fractured femoral component
22	61.1	M	17.9	Cup and liner	Loose acetabular component

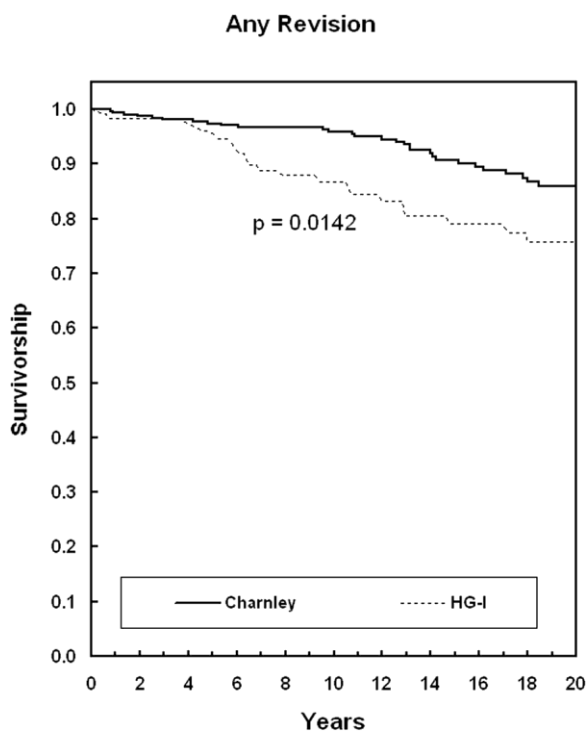


Fig. E-1A

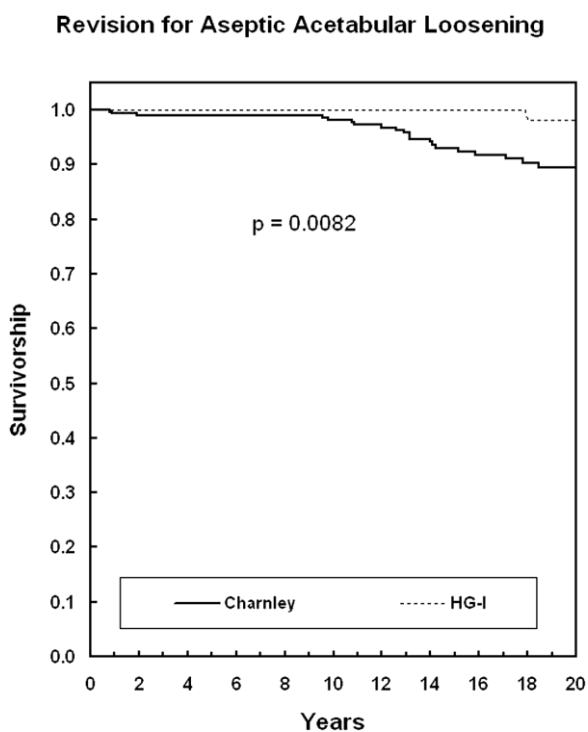


Fig. E-1B

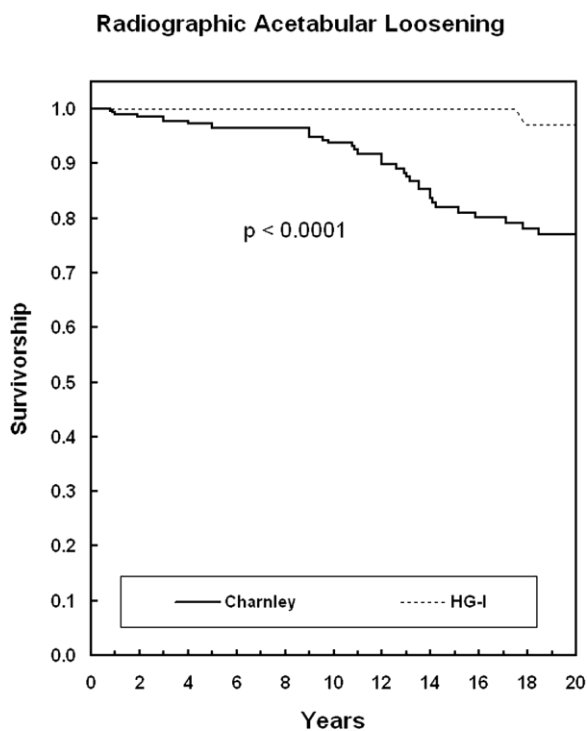


Fig. E-1C

Kaplan-Meier survivorship curves for the cementless (Harris-Galante I [HG-I]) and cemented Charnley (Zimmer) acetabular components, with revision for any reason (Fig. E-1A), revision for aseptic acetabular loosening (Fig. E-1B), and radiographic acetabular loosening (Fig. E-1C) as the end point.