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TABLE E-1 Long-Term Follow-up Studies of Total Knee Arthroplasty

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Ritter ²³ (2009)	Cemented anatomic graduated component	6726 total (36 at 20- yr follow- up)	96% had osteoarthritis; 3%, rheumatoid arthritis; and 1%, osteonecrosis	69.9 (23 to 93)	6.9 (2 to 22)	55 (0.8) had tibial and/or femoral component revised and 15 (0.2) had patellar component revised	94.6% at 20 yr (revision for aseptic loosening)		0 (0)
Ritter and Meneghini ²⁴ (in press)	Cementless anatomic graduated component	73 total (24 at 20- yr follow- up)	81% had osteoarthritis; 11%, rheumatoid arthritis; and 8%, osteonecrosis	59 (18 to 79)	19.9 (12.6 to 21.6)	2 (2.7) had tibial component revised and 12 (16.4), patellar component revised	76.4% at 20 yr (revision for aseptic loosing of any component) and 96.8% at 20 yr (revision for aseptic loosening of tibial component)	2 (2.7) with tibial component loosening and 12 (16.4) with patellar component loosening	
Rodriguez et al. ¹⁹ (2001)	Cemented total condylar knee	220 total (45 at 20- yr follow- up)	50% had osteoarthritis and 50% had rheumatoid arthritis	65 (31 to 83)	19 (18 to 24)	6 (3)	77% at 21 years (revision for any reason) and 85% at 21 yr (revision for mechanical failure)	6 (3)	0 (0)
Present study	Cemented LCS rotating platform	119 total (26 at 20- yr follow- up; all but 2 knees followed to 20 years or death)	88% had osteoarthritis; 10%, rheumatoid arthritis; and 2%, posttraumatic arthritis	70 (37 to 88)	20.6 (20 to 21)	0 (0)	96.5% at 20 yr (reoperation for any reason)	1 (0.8)	6 (5)