

TABLE E-1 Outcomes for Entire Study Cohort									
Study Authors (Publication Year)	Operative Period	Number of Knees at the Time of Follow-up	Average Patient Age (yr)	Average Follow-up Time (yr)	Preoperative Global Knee Score	Postoperative Global Knee Score	Outcome Rate		Revision Rate
							"Good"	"Poor"	
Total Knee Arthroplasty for Secondary Osteonecrosis									
Tannenbaum and Matthews (1997)	1968-1994	2	55.0	10.0	Not available	90.5	100.0%	0.0%	0.0%
Mont et al. (1997)	1974-1992	31	36.0	8.5	40.0	87.5	54.8%	45.2%	35.5%
Mont et al. (2000)	1974-1998	48	36.0	9.0	Not available	Not available	70.8%	29.2%	25.0%
Shah et al. (1993)	1975-1990	9	23.0	5.0	24.3	82.4	78.8%	11.1%	11.1%
Seldes et al. (1999)	1979-1994	31	46.0	5.3	42.0	75.5	Not available	16.1%	16.1%
Papagelopoulos et al. (1996)	1985-1991	2	51.5	4.5	35.3	97.0	100.0%	0.0%	0.0%
Mont et al. (2002)	1987-1996	24	44.0	9.0	54.0*	94.0*	95.8%	4.2%	4.2%
Levitsky et al. (2003)	1994-1995	3	41.7	4.2†	Not available	Not available	100.0%	0.0%	0.0%
Totals		150	39	8	39	82	74%	23%	20%
Total Knee Arthroplasty for Spontaneous Osteonecrosis of the Knee									
Lotke et al. (1982)	Not available	20	67.8	3.5	Not available	Not available	90.0%‡	Not available	0.0%
Aglietti et al. (1983)	1966-1980	32	66.0	4.2	51.0	87.0	100.0%‡	0.0%	0.0%
Aglietti et al. (1983) (Duo-condylar)	1966-1980	3	66.0	5.0	52.0	56.0	66.7%	33.3%	33.3%
Ritter et al. (1991)	1975-1986	32	74.9	3.9	60.2	86.0	Not available	12.5%	3.1%
Bergman and Rand (1991)	1979-1986	38	67.0	4.0	59.0	83.0	86.6%	7.9%	7.9%
Mont et al. (2002)	1987-1996	8	44.0	9.0	54.0*	98.0*	100.0%	0.0%	0.0%
Radke et al. (2005)	1988-2000	15	74.7	4.7	Not available	86.9	Not available	0.0%	0.0%
Totals		148	68	4	57	85	92%	6%	3%
Unicompartmental Knee Arthroplasty for Spontaneous Osteonecrosis of the Knee									
Lotke et al. (1982)	Not available	8	67.8	2.5	Not available	Not available	87.5%‡	12.5%	12.5%
Aglietti et al. (1983)	1966-1980	2	66.0	5.5	59.0	43.0	50.0%‡	50.0%	50.0%
Marmor (1993)	1975-1990	34	68.0	5.5	45.0	85.7	Not available	11.8%	8.8%
Radke et al. (2005)	1984-1988	10	70.2	4.7	Not available	79.4	Not available	40.0%	30.0%
Atsui et al. (1997)	1992-1995	10	70.5	3.5	50.6*	90.8*	100.0%	0.0%	0.0%
Totals		64	69	5	46	82	90%	16%	13%

*Only knee component of Knee Society score; value not included as value in means total. †Median treated as mean. ‡Radiographic criteria not available; value included in means total.