

TABLE E-1 Demographic Variables—Entire Cohort

Variable	Polished	Precoated	Total	P Value
Age, mean years (standard deviation)	72.6 (8.4)	71.3 (7.8)	72.0 (8.1)	0.2550
Sex, # (%)				0.8909
Female	65 (57.5)	60 (56.6)	125 (57.1)	
Male	48 (42.5)	46 (43.4)	94 (42.9)	
Weight, mean kg (standard deviation)	78.2 (16.6)	81.1 (17.0)	79.6 (16.8)	0.2233
Body mass index, mean kg/m <sup>2</sup> (standard deviation)	27.6 (5.2)	28.4 (5.4)	28.0 (5.3)	0.2840
Diagnosis, # (%)				0.9193
Osteoarthritis	88 (77.9)	83 (78.3)	171 (78.1)	
Osteonecrosis	6 (5.3)	4 (3.8)	10 (4.6)	
Rheumatoid arthritis	4 (3.5)	3 (2.8)	7 (3.2)	
Other	15 (13.3)	16 (15.1)	31 (14.2)	
Side, # (%)				0.0041
Left	39 (34.5)	57 (53.8)	96 (43.8)	
Right	74 (65.5)	49 (46.2)	123 (56.2)	
Surgeon, # (%)				0.2528
A	74 (65.5)	77 (72.6)	151 (68.9)	
B	39 (34.5)	29 (27.4)	68 (31.1)	

TABLE E-2 Surgical Variables—Entire Cohort

Variable	Polished		Precoated		Total		P Value
	#	%	#	%	#	%	
Stem size							0.5201
11	4	(3.5)	1	(0.9)	5	(2.3)	
12	26	(23.0)	16	(15.1)	42	(19.2)	
13	33	(29.2)	36	(34.0)	69	(31.5)	
14	28	(24.8)	29	(27.4)	57	(26.0)	
15	15	(13.3)	13	(12.3)	28	(12.8)	
16	6	(5.3)	9	(8.5)	15	(6.8)	
17	1	(0.9)	2	(1.9)	3	(1.4)	
Stem offset							0.5761
Extended	37	(32.7)	31	(29.2)	68	(31.1)	
Standard	76	(67.3)	75	(70.8)	151	(68.9)	
Approach							0.3990
Anterior	36	(31.9)	28	(26.4)	64	(29.2)	
Posterior	74	(65.5)	77	(72.6)	151	(68.9)	
Transtrochanteric	3	(2.7)	1	(0.9)	4	(1.8)	
Cement grade							0.3224
A	32	(28.3)	29	(27.4)	61	(27.9)	
B	60	(53.1)	55	(51.9)	115	(52.5)	
C <sub>1</sub>	16	(14.2)	21	(19.8)	37	(16.9)	
C <sub>2</sub>	5	(4.4)	1	(0.9)	6	(2.7)	
Stem alignment							0.4123
5° varus	7	(6.2)	4	(3.8)	11	(5.0)	
Neutral	106	(93.8)	102	(96.2)	208	(95.0)	
Head size (mm)							0.1364
26	36	(31.9)	21	(19.8)	57	(26.0)	
28	46	(40.7)	56	(52.8)	102	(46.6)	
32	22	(19.5)	19	(17.9)	41	(18.7)	
36	9	(8.0)	8	(7.5)	17	(7.8)	
40	0	(0)	2	(1.9)	2	(0.9)	
Neck length							0.5760
-3.5	26	(23)	27	(25.5)	53	(24.2)	
0	44	(38.9)	42	(39.6)	86	(39.3)	
+3.5	38	(33.6)	33	(31.1)	71	(32.4)	
+7	5	(4.4)	4	(3.8)	9	(4.1)	