



## Supplementary Material

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**Table i.** Implants/techniques.

Variable	All (n = 1,004)	< 65 (n = 430)	> 65 (n = 574)	< 70 (n = 597)	≥ 70 (n = 407)
<b>Cup</b>					
Mean size (range)	51.9 (48 to 62)	51.9 (48 to 62)	51.9 (48 to 62)	51.8 (48 to 62)	52.0 (48 to 62)
Screws used, n (%)	131 (13.0)	54 (12.6)	77 (13.4)	70 (11.7)	61 (15.0)
Mean stem size (range)	11.2 (8 to 16)	10.9 (8 to 16)	11.3 (8 to 16)	11.1 (8 to 16)	11.3 (8 to 16)
<b>Offset, n (%)</b>					
Standard	602 (60.0%, 507F, 95M)	245 (8 without collar)	357 (7 without collar)	342 (13 without collar)	260 (2 without collar)
High	396 (39.4%, 87 F, 309 M)	181 (0 with collar)	215 (9 with collar)	251 (1 with collar)	145 (8 with collar)
Lateralized	6 (0.6%, 5 F, 1 M)	4	2	4	2
<b>Bearing, n (%)</b>					
28 mm head	425 (42.4)	177	248	247	178
32 mm head	437 (43.5)	204	233	279	158
36 mm head	142 (14.1)	49	93	71	71
Ceramic head	56 (5.6)	53 (12.3)	3 (0.5)	55 (8.9)	1 (0.3)
<b>Cut in situ</b>	19 (1.9)	1	18	4	15

**Table ii.** Cohort preoperative demographic details and diagnoses.

Variable	All	≤ 65 yrs	> 65 yrs	< 70 yrs	≥ 70 yrs
Total, n	1,004	430	574	597	407
Mean age (range)	65.9 (23 to 93)	55.0 (23 to 65)	74.0 (66 to 93)	59.0 (23 to 69)	76.0 (70 to 93)
Sex, F:M	598:406	242:188	356:218	346:251	252:155
Side, L:R	424:580	193:237	231:343	263:335	161:245
Mean ASA (range)	2.2 (1 to 4)	2.1 (1 to 4)	2.3 (1 to 4)	2.1 (1 to 4)	2.3 (1 to 4)
Mean BMI (range)	30.9 (15 to 60)	32.0 (20 to 60)	30.0 (15 to 50)	32.0 (17 to 60)	29.0 (15 to 46)
SUFE, n	6	6		6	
Still's disease, n	1		1	1	
AVN, n	15	8	7	10	5
Dysplasia, n	23	19	4	21	2
MED, n	1	1		1	
Perthes', n	7	7		7	
Inflammatory, n	4	2	2	2	2
Primary degenerative, n	947	387	560	549	398

ASA, American Society of Anesthesiologists; AVN, avascular necrosis; MED, multiple epiphyseal dysplasia; SUFE, slipped upper femoral epiphysis.

**Table iii.** Median Oxford Hip Score across the whole cohort.

Timepoint	n (%)	Median Oxford Score (IQR)	p-value	
			vs preop	vs 6/52
Preop	1,004	14 (9 to 19)		
6 wks	941 (93.7)	35 (28 to 41)	< 0.005	
4.5 mths	839 (83.6)	40 (33 to 46)	< 0.005	< 0.005
1 yr	745 (74.2)	42 (34 to 47)	< 0.005	< 0.005
2 yrs	538 (53.6)	43 (33 to 47)	< 0.005	< 0.01