

Supplementary data

Table 4. Functional outcome

Outcome measure at	Cemented n	Cemented outcome	Uncemented n	Uncemented outcome	Mean difference (95% CI)
EQ-5D					
Baseline	35	0.9 (0.3)	32	0.8 (0.3)	-0.0 (-0.2 to 0.1)
3 months	34	0.7 (0.3)	30	0.7 (0.2)	-0.0 (-0.2 to 0.1)
12 months	33	0.8 (0.2)	29	0.8 (0.3)	-0.0 (-0.2 to 0.9)
24 months	30	0.7 (0.3)	26	0.8 (0.2)	-0.3 (-0.2 to 0.1)
Harris hip score					
Baseline	35	93 (10)	32	91 (11)	2 (-3.3 to 7.1)
3 months	34	73 (12)	31	72 (14)	1 (-6.0 to 7.2)
12 months	34	79 (19)	31	82 (15)	-3 (-11 to 5.7)
24 months	34	80 (17)	31	81 (16)	-1 (-9.0 to 10)
ADL					
Baseline		1		1	
3 months	34	1.1 (0.4)	31	1.1 (0.3)	0.2 (-0.1 to 0.2)
12 months	33	1.2 (0.7)	30	1.1 (0.6)	0.5 (-0.3 to 0.4)
24 months	31	1.1 (0.3)	28	1.1 (0.3)	-0.007 (-0.1 to 0.1)
Pain numerical rating scale (PNRS)					
Baseline	35	0.3 (1.5)	32	0.6 (1.6)	-0.3 (-1.1 to 0.4)
3 months	34	2.2 (1.0)	30	3.0 (2.4)	-0.9 (-1.9 to 0.2)
12 months	34	2.1 (2.4)	29	1.1 (1.5)	1 (-0.1 to 2)
24 months	30	2.1 (2.3)	26	1.3 (1.9)	1 (-0.3 to 1.8)

Table 5. Serological markers

Outcome measure at	Cemented n	Cemented outcome	Uncemented n	Uncemented outcome	Mean difference (95% CI)
D-dimer					
Preoperatively	29	3.9 (3.2)	27	3.4 (3.0)	0.5 (-1.1 to 2.2)
POD1	31	0.7 (0.84)	31	0.7 (0.86)	0.03 (-0.4 to 0.5)
POD4	25	1.4 (4.9)	25	0.5 (0.18)	0.9 (-1 to 2.8)
3 months	23	0.8 (0.7)	22	0.6 (0.3)	0.25 (-0.9 to 0.6)
CRP					
Preoperatively	35	14 (28)	33	29 (59)	-16 (-38 to 8)
POD1	32	120 (61)	31	122 (61)	-2 (-33 to 28)
POD4	28	202 (88)	27	235 (64)	-33 (-75 to 9)
3 months	26	10 (23)	24	5 (6)	5 (-5 to 15)

Table 6. Radiological outcome

Heterotopic ossification at 24 months follow-up	Cemented (n=33)	Uncemented (n=28)
Grade 0	4	4
Grade 1	16	13
Grade 2	8	4
Grade 3	2	7
Grade 4	3	0