

Table 1: Patient and implant characteristics

Number	Femoral Head	Patient age at primary	Patient gender	Indication for primary	Time in vivo (months)	Indication for revision	Stem Loose at Revision?	Cement obtained?	Blood Co (nmol/L)	Blood Cr (nmol/L)
1	BHR	64	M	OA	56	Aseptic loosening, lesser troch fracture	Yes	No	159	111
2	BHR	70	M	OA	86	Aseptic loosening. Raised metal ions	Yes	No	177	129
3	BHR	44	F	Dysplasia	80+	pain + raised metal ions	No	Yes	61	23
4	BHR	68	F	OA, dysplasia	85	pain + raised metal ions	Yes	Yes	218	191

5	BHR	68	M	OA	89	pain + raised metal ions	No	No	168	66
6	Adept	57	F	OA, dysplasia	52	pain + raised metal ions	No	No	72	113
7	Adept	60	M	AVN	81	pain + raised metal ions	Yes	Yes	191	256
8	BHR	74	F	OA	94	Pain + recurrent troch bursitis	No	Yes	79	40
9	BHR	56	F	OA	97	pain + raised metal ions	No	Yes	185	151
10	BHR	59	F	Unknown	96	Pain	No	Yes	159	111
11	BHR	79	F	Unknown	88	Pain + raised metal ions	Yes	Yes	177	129
12	BHR	69	F	Unknown	69	Pain	No	Yes	70	32