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THE RELATION BETWEEN TITANIUM TAPER CORROSION AND COBALT-CHROMIUM BEARING WEAR IN LARGE-HEAD METAL-ON-METAL TOTAL HIP ... http://dx.doi.org/10.2106/JBJS.M.01199 Page 1 of 3



Fig. E-1

Example of an adapter still connected to the stem after revision (left). After disassembly, severe corrosion was visible on the stem taper and the female adapter taper (right). The distal part of the female adapter taper (middle right) showed thicker oxide layers than the proximal part (bottom right).

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All thirteen female adapter taper samples with severe corrosion.

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TABLE E-1 Demographic and Surgical Data							
Case	Sex, Age at Revision <i>(yr)</i>	Duration in Vivo <i>(mo)</i>	Side	Approach*	Body Mass Index (kg/m²)	Reason for Revision†	Procedure*
1	F, 62	64	R	1	26	1	1
2	M, 69	57	L	1	28	2	2
3	F, 66	34	R	2	29	2	2
4	F, 64	46	R	1	27	1	3
5	M, 44	18	L	2	24	5	1
6	F, 70	37	L	1	19	2	3
7	F, 68	60	L	2	24	2	1
8	M, 63	38	R	2	29	2	3
9	F, 68	22	L	2	40	1	1
10	M, 50	31	R	2	28	1	3
11	F, 58	26	L	2	26	2	3
12	F, 65	25	R	2	29	2	3
13	F, 56	11	R	2	36	1	2
14	F, 52	40	R	2	31	2	3
15	M, 62	50	L	2	29	2	5
16	F, 59	62	R	2	25	2	2
17	F, 75	59	R	2	24	5	4
18	F, 70	15	L	2	29	2	2
19	F, 56	35	L	1	24	2	1
20	M, 65	56	L	1	30	1	3
21	F, 69	52	R	2	28	3	2
22	F, 67	53	L	2	32	5	1
23	F, 43	63	R	2	26	5	2
24	F, 58	35	L	2	40	2	3
25	F, 70	74	L	1	31	1	5
26	M, 66	29	L	1	22	2	1
27	M, 54	34	R	2	24	5	3
28	F, 62	17	R	1	31	1	1
29	F, 56	77	R	2	28	2	2
30	M, 65	58	R	2	30	2	1
31	F, 58	37	R	1	26	1	1
32	F, 64	47	R	1	24	1	3
33	M, 56	20	L	1	27	2	1
34	M, 46	26	L	2	27	4	3
35	M, 68	78	R	2	26	2	1
36	F, 63	34	R	1	23	2	1
37	F, 55	56	R	2	22	2	2
38	F, 67	44	R	2	43	1	1
39	F, 64	49	R	2	24	2	2
40	F, 60	38	R	2	28	1	2
41	M, 69	75	R	2	29	2	1
42	F, 64	59	R	2	31	2	2
43	F, 57	21	R	2	35	3	1

*1 indicates a lateral approach and 2, posterolateral approach. †1 indicates pain; 2, tumor; 3, other tissue reaction; 4, metallosis; and 5, loosening of stem or cup. †1 indicates metal-on-metal unilateral hip arthroplasty; 2, metal-on-metal bilateral hip arthroplasty; 3, metal-on-metal and conventional total hip arthroplasty; 4, metal-on-metal bilateral hip arthroplasty; and 5, metal-on-metal and conventional total hip arthroplasty.