

Supplementary article data

Metal release and metal allergy after total hip replacement with resurfacing versus conventional hybrid prosthesis

5-year follow-up of 52 patients

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Table 6. Implant composition in weight percentage

Implant name	(Metallic) composition	Element	Weight %
A1. ReCap femoral component	As Cast CoCrMo (ASTM - F75)	Cobalt (Co)	60.0
		Chromium (Cr)	31.0
		Molybdenum (Mo)	5.0
		Nickel (Ni)	2.0
		Ferric (Fe)	2.0
		See A1.	See A1.
A2. ReCap acetabular cup	As cast CoCrMo (ASTM – F75)	See A1.	See A1.
B1. Exeter femoral component	Orthinox Stainless Steel (ASTM F 1586)	Chromium (Cr)	19.5–22.0
		Nickel (Ni)	9.0–11.0
		Manganese (Mn)	2.0–4.25
		Molybdenum (Mo)	2.0–3.0
		Niobium (Nb)	0.25–0.8
		Silicon (Si)	0.75 Max
		Copper (Cu)	0.25 Max
		Phosphorous (P)	0.025 Max
		Sulfur (S)	0.01 Max
		Ferric (Fe)	Balance
		B2. Mallory/Head acetabular cup	Wrought Ti6Al4V alloy (ASTM F136)
		Aluminum (Al)	39.1
		Vanadium (V)	49.3
B3.1. Ceramic heads	Alumina Al ₂ O ₃ (ASTM F 603)	Aluminum (Al)	52.9
B3.2. Stainless steel head	Orthinox Stainless Steel (ASTM F 1586)	See B1.	See B1.