

Supplementary File - Table S1. Clinical information, design parameters, and DRF for the 148 retrieved implants clustered on the basis of the HNJ damage score.

Bearing couple	Ceramic on ceramic			Metal on metal		
Male taper material	Titanium alloy			Titanium alloy		
HNJ damage score	≥1 and <2	≥2 and <3	≥3 and ≤4	≥1 and <2	≥2 and <3	≥3 and ≤4
Number of cases	39	20	2	24	30	33
Age at implantation (years)	55.9 ± 14.7	54.4 ± 9.6	58.0 ± 4.2	53.2 ± 9.1	52.2 ± 15.7	56.7 ± 12.9
Weight (kg)	77 ± 18	83 ± 19	102 ± 11	71 ± 21	74 ± 20	79 ± 15
BMI (kg/m²)	26 ± 5	29 ± 6	30 ± 3	26 ± 5	26 ± 5	27 ± 4
Implantation time (years)	3.7 ± 3.0	8.7 ± 5.2	11.1 ± 3.6	4.8 ± 3.3	5.4 ± 3.0	6.8 ± 3.1
Contact length (mm)	11.5 ± 1.3	12.0 ± 2.1	9.8 ± 1.1	12.5 ± 2.0	12.4 ± 1.7	11.4 ± 1.0
Taper flexural rigidity (Nm²)	167 ± 6	160 ± 19	160 ± 1	168 ± 5	163 ± 16	162 ± 10
DRF (m⁻²)	1.8 ± 0.9	2.2 ± 1.3	3.7 ± 0.1	2.1 ± 1.3	1.9 ± 0.7	3.1 ± 1.3