

## Supplementary data

Table 4. Femoral head penetration rate (mm/year) per head size after 6-year follow-up. Values are mean (SD)

Head size	Vitamin E blended HXLPE	UHMWPE
28 mm	0.023 (0.018)	0.033 (0.014)
32 mm	0.030 (0.013) <sup>a</sup>	0.036 (0.017)
36 mm	0.027 (0.013) <sup>a</sup>	

<sup>a</sup> 32 mm vs. 36 mm: p = 0.01.

Table 5. Numeric Rating Scale (NRS) and Harris Hip Scores (HHS) after 6-year follow-up. Values are mean (SD)

Category	Total n = 163	Vitamin E blended HXLPE		UHMWPE n = 80	p-value
		n = 85	n = 80		
NRS rest pain	0.3 (1)	0.2 (1)	0.3 (1)		0.7
NRS load pain	0.6 (1)	0.4 (1)	0.8 (2)		0.07
NRS satisfaction	8.6 (1)	8.8 (1)	8.5 (1)		0.06
HHS/10	9.3 (1)	9.4 (1)	9.1 (1)		0.09