

Appendix 1: Possible combinations of bearing surfaces, head sizes and fixation

Femoral head-on-acetabular surface bearing combination	Head size	Fixation
Ceramic-on-ceramic (CoC)	Large $\geq 36\text{mm}$	With cement
	Small $< 36\text{mm}$	Without cement Hybrid Reverse hybrid
Metal-on-metal (MoM)	Large $\geq 36\text{mm}$	With cement
	Small $< 36\text{mm}$	Without cement Hybrid Reverse hybrid
Metal-on-polyethylene (MoP, not HCL)	Large $\geq 36\text{mm}$	With cement
	Small $< 36\text{mm}$	Without cement Hybrid Reverse hybrid
Metal-on-polyethylene (MoP, HCL)	Large $\geq 36\text{mm}$	With cement
	Small $< 36\text{mm}$	Without cement Hybrid Reverse hybrid
Ceramic-on-polyethylene (CoP, not HCL)	Large $\geq 36\text{mm}$	With cement
	Small $< 36\text{mm}$	Without cement Hybrid Reverse hybrid
Ceramic-on-polyethylene (CoP, HCL)	Large $\geq 36\text{mm}$	With cement
	Small $< 36\text{mm}$	Without cement Hybrid Reverse hybrid
Metal-on-metal resurfacing	Large	

HCL: highly cross-linked