

Supplemental table 1 Search Strategy for PubMed.

Search strategy for	Search Terms for	Search Terms for
prostheses of stem	Short Stem Study	Conventional Stem Study
#1	hip (MeSH terms)	hip (MeSH terms)
#2	hip (all fields)	hip (all fields)
#3	#1 OR #2	
#4	arthroplasty (MeSH terms)	arthroplasty (MeSH terms)
#5	arthroplasty (all terms)	arthroplasty (all terms)
#6	replacement (MeSH terms)	replacement (MeSH terms)
#7	replacement (all terms)	replacement (all terms)
#8	THA (all fields) OR THR(all fields)	THA (all fields) OR THR(all fields)
#9	#4 OR #5 OR #6 OR #7 OR #8	
#10	short stem (all fields)	conventional stem (all fields)
#11	short-stem (all fields)	standard stem (Title/Abstract)
#12	ultra-short stem (all fields)	long stem (all fields)
#13	SS (all fields)	CS (all fields)
#14	#10 OR #11 OR #12 OR #13	
#15	randomised control trial (all	randomised control trial (all

fields)

fields)

#16

RCT (all fields)

RCT (all fields)

#17 #15 AND #16

#18 #3 AND #9 AND #

14 AND #17
