

Supplementary File 1:

Search strategy used in PubMed database

Search Topic	#	Search Terms
Population: <i>Human subjects with knee osteoarthritis</i>	#1	("Osteoarthritis"[Mesh]) OR (osteoarthritis [All Fields]) OR (OA[All Fields])
	#2	("knee joint"[MeSH]) OR ("knee joint"[All Fields]) OR ("knee"[All Fields])
	#3	#1 AND #2
Intervention: <i>Cellular therapy, Injection, BM-MSC, AD- MSC, Bone marrow, Adipose tissue</i>	#4	("stem cell transplantation"[Mesh]) OR ("cell- and tissue-based therapy"[Mesh]) OR ("mesenchymal stem cells"[Mesh]) OR ("stem cell therapy"[All Fields]) OR ("cellular therapy"[All Fields]) OR ("stem cell therapy"[All Fields]) OR ("mesenchymal stem cell therapy"[All Fields])
	#5	("bone marrow"[Mesh]) OR ("adipose tissue"[Mesh]) OR ("bone marrow transplantation"[Mesh]) OR ("bone marrow"[All Fields]) OR ("adipose tissue"[All Fields]) OR ("bone marrow transplantation"[All Fields])

Study design:

RCTs

#6	#4 AND #5
#7	#3 AND #6
#8	("clinical trial"[All Fields] OR "clinical trials as topic"[MeSH Terms] OR "clinical trials"[All Fields] OR "randomized controlled trial"[All Fields] OR "randomized controlled trials as topic"[MeSH Terms] OR "randomized controlled trial"[pt] OR "controlled clinical trial"[pt] OR "randomized"[tiab] OR "randomly"[tiab] OR "trial"[ti] OR "randomised controlled trial"[All Fields] OR "randomized controlled trial"[pt] OR "prospective studies"[MeSH Terms] OR "prospective studies"[All Fields]
#9	#7 AND #8
#10	("retrospective studies"[MeSH Terms] OR "retrospective studies"[All Fields] OR "retrospective study"[All Fields] OR "biography"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lecture"[Publication Type] OR "legal case"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular work"[Publication Type] OR

		“congress”[Publication Type] OR “consensus development conference”[Publication Type] OR “consensus development conference, nih”[Publication Type] OR “practice guideline”[Publication Type]) OR “Review”[Publication Type])
	#11	#9 NOT #10