

Cochrane RCT search filters:

Table x The Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE, PubMed format	
#1	randomized controlled trial [pt]
#2	controlled clinical trial [pt]
#3	randomized [tiab]
#4	placebo [tiab]
#5	randomly [tiab]
#6	trial [tiab]
#7	groups [tiab]
#8	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7

Table x The Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE, Ovid format	
#1	randomized controlled trial.pt.
#2	controlled clinical trial.pt.
#3	randomized.ab.
#4	placebo.ab.
#5	randomly.ab.
#6	trial.ab.
#7	groups.ab.
#8	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7

Pubmed/MEDLINE full search-string:

("randomized controlled trial"[Publication Type] OR "controlled clinical trial"[Publication Type] OR "randomized"[Title/Abstract] OR "placebo"[Title/Abstract] OR "randomly"[Title/Abstract] OR "trial"[Title/Abstract] OR "groups"[Title/Abstract]) AND ("knee arthroplast*" [Title/Abstract] OR "total knee arthroplast*" [Title/Abstract] OR "knee replacement*" [Title/Abstract] OR "total knee replacement*" [Title/Abstract] OR "arthroplasty, replacement, knee"[MeSH Terms]) AND ("exercise"[MeSH Terms] OR "exercise*" [Title/Abstract] OR "Resistance training"[Title/Abstract] OR "Resistance training"[MeSH Terms] OR "exercise therap*" [Title/Abstract] OR "Exercise therapy"[MeSH Terms] OR "rehabilitation*" [Title/Abstract] OR "rehabilitation"[MeSH Terms] OR "physical therap*" [Title/Abstract] OR "Physical therapy modalities"[MeSH Terms] OR "physiotherap*" [Title/Abstract]).

EMBase via OVID

(crossover procedure OR double-blind procedure OR randomized controlled trial OR single-blind procedure).hw. OR (random\$ OR factorial\$ OR crossover\$ OR cross over\$ OR placebo\$ OR doubl\$ blind\$ OR singl\$ blind\$ OR assign\$ OR allocate\$ OR volunteer\$).hw,ab,ti.

(Knee arthroplasty\$ OR Total knee arthroplasty\$ OR Knee replacement OR Total knee replacement\$).ab,ti.
OR exp Knee arthroplasty/

(Exercise\$ OR Resistance training OR Exercise therap\$ OR Rehabilitation\$ OR Physical therap\$ OR Physiotherap\$).ti,ab. OR exp resistance training/ OR exp kinesiotherapy/ OR exp Rehabilitation/ OR exp Physiotherapy/ OR exp exercise/

CiNAHL RCT filter:

Cochrane CiNAHL plus filter, animal trials portion omitted (Glanville et al. 2019)

S1 MH randomized controlled trials

S2 MH double-blind studies
 S3 MH single-blind studies
 S4 MH random assignment
 S5 MH pretest-posttest design
 S6 MH cluster sample
 S7 TI (randomised OR randomized)
 S8 AB (random*)
 S9 TI (trial)
 S10 MH (sample size) AND AB (assigned OR allocated OR control)
 S11 MH (placebos)
 S12 PT (randomized controlled trial)
 S13 AB (control W5 group)
 S14 (MH "crossover design") OR (MH "comparative studies")
 S15 AB (cluster W3 RCT)

CINAHL via EBSCO

S33 S6 AND S17 AND S32
 S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24
 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR
 S32 S31
 S31 AB (cluster W3 RCT)
 (MH "crossover design") OR (MH "comparative
 S30 studies")
 S29 AB (control W5 group)
 S28 PT randomized controlled trial
 S27 (MH "Placebos")
 (MH "sample size") AND AB (assigned OR
 S26 allocated OR control)
 S25 TI (trial)
 S24 AB (random*)
 S23 TI (randomised OR randomized)

S22 (MH "Cluster Sample+")

S21 (MH "Pretest-Posttest Design+")

S20 (MH "Random Assignment")

S19 (MH "Double-Blind Studies") OR (MH "Single-Blind Studies")

S18 (MH "Randomized Controlled Trials+")

S17 S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16

S16 TI physical therap* OR AB physical therap* OR TI physiotherap* OR AB physiotherap*

S15 (MH "Physical Therapy+")

S14 TI rehabilitation* OR AB rehabilitation*

S13 (MH "Rehabilitation+")

S12 TI exercise therapy* OR AB exercise therapy*

S11 (MH "Therapeutic Exercise+")

S10 TI resistance training* OR AB resistance training*

S9 (MH "resistance training+")

S8 TI exercise* OR AB exercise*

S7 (MH "exercise+")

S6 S1 OR S2 OR S3 OR S4 OR S5

S5 TI Total knee replacement* OR AB Total knee replacement*

S4 TI Knee replacement* OR AB Knee replacement*

S3 (MH "Arthroplasty, Replacement, Knee+")

S2 TI Total knee arthroplast* OR AB Total knee arthroplast*

S1 TI Knee arthroplast* OR AB Knee arthroplast*

Cochrane Central Register of Randomized Controlled Trials (CENTRAL)

ID Search Hits

#1 (Knee arthroplast*):ti,ab,kw

- #2 (Total knee arthroplast*):ti,ab,kw
- #3 (Knee replacement?):ti,ab,kw
- #4 (Total knee replacement?):ti,ab,kw
- #5 MeSH descriptor: [Arthroplasty, Replacement, Knee] explode all trees
- #6 #1 OR #2 OR #3 OR #4 OR #5
- #7 MeSH descriptor: [Exercise] explode all trees
- #8 (exercise? OR exercise*):ti,ab,kw
- #9 (resistance training):ti,ab,kw
- #10 MeSH descriptor: [Resistance Training] explode all trees
- #11 (exercise therap* OR exercise therap?):ti,ab,kw
- #12 MeSH descriptor: [Exercise Therapy] explode all trees
- #13 (rehabilitation* OR rehabilitation?):ti,ab,kw
- #14 MeSH descriptor: [Rehabilitation] explode all trees
- #15 (physical therap* OR physical therap?):ti,ab,kw
- #16 MeSH descriptor: [Physical Therapy Modalities] explode all trees
- #17 (physiotherap* OR physiotherap?):ti,ab,kw
- #18 #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17
- #19 #6 AND #18