

Appendix SI. Search strategies

Search terms

Theme	MeSH terms (uploaded)	Key words
Total knee arthroplasty, replacement	Total arthroplasty, replacement, knee	"Rehabilitation" AND "exercise" AND "Total knee arthroplasty" OR "replacement" AND "Physiotherapy" AND "2000–2020" AND Randomized control trial".

MEDLINE

Database(s): PubMed 2000 to 2020

Search strategy: accessed 1 December 2020

Search	Actions	Details	Query	Results	Time
#13	...	>	Search: (((Rehabilitation) AND (exercise)) OR (after knee arthroplasty)) AND (after knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication]))	12,956	08:03:34
#12	...	>	Search: (((Rehabilitation) AND (exercise)) OR (after knee arthroplasty)) AND (after knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication])) Filters: Full text	11,920	08:03:30
#11	...	>	Search: (((Rehabilitation) AND (exercise)) OR (after knee arthroplasty)) AND (after knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication])) Filters: Full text, Randomized Controlled Trial	1,454	08:03:06
#10	...	>	Search: (((Rehabilitation) AND (exercise)) OR (after knee arthroplasty)) AND (after knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication])) Filters: Randomized Controlled Trial	1,572	08:02:59
#7	...	>	Search: (((rehabilitation) AND (physiotherapy)) AND (total knee arthroplasty)) OR ((total knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication])) Filters: Full text, Randomized Controlled Trial Filters: Full text, Randomized Controlled Trial	0	07:59:08
#6	...	>	Search: (((rehabilitation) AND (exercise)) AND (total knee arthroplasty)) OR ((total knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication])) Filters: Full text, Randomized Controlled Trial	2,234	07:58:21
#5	...	>	Search: (((rehabilitation) AND (exercise)) AND (total knee arthroplasty)) OR ((total knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication])) Filters: Randomized Controlled Trial	2,397	07:58:18
#4	...	>	Search: (((rehabilitation) AND (exercise)) AND (total knee arthroplasty)) OR ((total knee replacement)) AND (("2000"[Date - Publication] : "2020"[Date - Publication]))	28,412	07:58:00
#3	...	>	Search: (((rehabilitation) AND (exercise)) OR (total knee arthroplasty)) AND (total knee replacement)	28,195	07:55:59
#2	...	>	Search: ((total arthroplasty[MeSH Terms]) AND (total knee replacement[MeSH Terms]) AND knee) AND (osteoarthritis[MeSH Terms])	5,493	07:54:40
#1	...	>	Search: (((total arthroplasty[MeSH Terms]) AND (total knee replacement[MeSH Terms])) AND (knee[MeSH Terms])) AND (osteoarthritis)	2,633	07:52:28

MEDLINE

Database(s): PMC 2000 to 2020

Search strategy: accessed 4 December 2020

History[Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#5	Add	Search (((((((((((Rehabilitation) OR physiotherapy) AND total knee replacement) OR total knee arthroplasty) AND full text) AND ("2000/01/01"[PDat] : "2020/12/31"[PDat]))) AND Randomized control trial) AND ("2000/01/01"[PDat] : "2020/12/31"[PDat])) Filters: Publication date from 2000/01/01 to 2020/12/31	1679	09:54:07
#4	Add	Search (((((((((((Rehabilitation) OR physiotherapy) AND total knee replacement) OR total knee arthroplasty) AND ("2000"[Publication Date] : "2020"[Publication Date])) AND ("2000/01/01"[PDat] : "2020/12/31"[PDat]))) AND full text) AND ("2000/01/01"[PDat] : "2020/12/31"[PDat]))) AND Randomized control trial Filters: Publication date from 2000/01/01 to 2020/12/31	1679	09:41:27
#3	Add	Search (((((((((((Rehabilitation) OR physiotherapy) AND total knee replacement) OR total knee arthroplasty) AND ("2000"[Publication Date] : "2020"[Publication Date])) AND ("2000/01/01"[PDat] : "2020/12/31"[PDat]))) AND full text Filters: Publication date from 2000/01/01 to 2020/12/31	2868	09:40:24
#2	Add	Search (((((((((((Rehabilitation) OR physiotherapy) AND total knee replacement) OR total knee arthroplasty) AND ("2000"[Publication Date] : "2020"[Publication Date])) Filters: Publication date from 2000/01/01 to 2020/12/31	34823	09:39:28
#1	Add	Search (((((((((((Rehabilitation) OR physiotherapy) AND total knee replacement) OR total knee arthroplasty) AND ("2000"[Publication Date] : "2020"[Publication Date]))	34823	09:36:02

Cochrane Library

Dates Covered: 2000 to 2020

Date searched: 8 December 2020

<input type="checkbox"/>	<input type="checkbox"/>	#1	(total arthroplasty):ti,ab,kw OR(total knee replacement):ti,ab,kw AND (knee):ti,ab,kw AND(osteoarthritis):ti,ab,kw	Limits	10072
<input type="checkbox"/>	<input type="checkbox"/>	#2	(rehabilitation):ti,ab,kw OR(total knee replacement):ti,ab,kw AND (knee):ti,ab,kw AND(osteoarthritis):ti,ab,kw	Limits	50829
<input type="checkbox"/>	<input type="checkbox"/>	#3	(rehabilitation):ti,ab,kw OR (exercise):ti,ab,kw AND (total knee replacement):ti,ab,kw AND (knee):ti,ab,kw AND(osteoarthritis):ti,ab,kw	Limits	49563
<input type="checkbox"/>	<input type="checkbox"/>	#4	(rehabilitation):ti,ab,kw OR (exercise):ti,ab,kw AND (total knee replacement):ti,ab,kw AND (knee):ti,ab,kw AND(osteoarthritis):ti,ab,kw	Limits	43966
with Publication Year from 2000 to 2020, with Cochrane Library publication date from Jan 2000 to Oct 2020, in Trials					
<input type="checkbox"/>	<input type="checkbox"/>	#5	(rehabilitation):ti,ab,kw OR (physiotherapy):ti,ab,kw AND (total knee replacement):ti,ab,kw AND (knee):ti,ab,kw AND(osteoarthritis):ti,ab,kw	Limits	49506
<input type="checkbox"/>	<input type="checkbox"/>	#6	(rehabilitation):ti,ab,kw OR (exercise):ti,ab,kw AND (total knee replacement):ti,ab,kw AND (knee):ti,ab,kw AND(randomized clinical trial):ti,ab,kw	Limits	49473
<input type="checkbox"/>	<input type="checkbox"/>	#7	(rehabilitation):ti,ab,kw AND (exercise):ti,ab,kw AND (total knee replacement):ti,ab,kw OR (total knee arthroplasty):ti,ab,kw AND(randomized clinical trial):ti,ab,kw	Limits	211
with Cochrane Library publication date from Jan 2000 to Oct 2020, in Trials					
<input type="checkbox"/>	<input type="checkbox"/>	#8	(rehabilitation):ti,ab,kw AND (Physiotherapy):ti,ab,kw AND (total knee replacement):ti,ab,kw OR (total knee arthroplasty):ti,ab,kw AND(randomized clinical	Limits	148
<input type="checkbox"/>	<input type="checkbox"/>	#9	Type a search term or use the S or MeSH buttons to compose	S	MeSH
				Limits	N/A

Highlight orphan lines