

**Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations,  
Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <2000 to Present>**

Search date: 01.01.2000 - 27.06.2018.

Updated search: 28.06.2018 - 01.08.2019

1	Arthroplasty, Replacement, Knee/
2	(tkr or tjkr or tka or tjka).tw,kf.
3	(knee* adj3 (arthroplast* or replacement*)).tw,kf.
4	(total adj2 knee*).tw,kf.
5	(knee* adj2 prosthes*).tw,kf.
6	or/1-5
7	risk/ or risk factors/ or logistic models/ or protective factors/ or risk assessment/
8	prognosis/ or (prognos* or risk* or predict*).tw,kf.
9	(preoperative factor* or pre operative factor* or protective factor*).tw,kf.
10	or/7-9
11	and/6,10
12	(pain adj3 (post* or ongoing or on going or long* or persist* or prolong* or after or follow*)).tw,kw.
13	pain, postoperative/
14	(Pain/ or chronic pain/ or musculoskeletal pain/) and (post* or ongoing or on going or long* or persist* or prolonged or after or follow*).tw,kf.
15	cohort studies/ or follow-up studies/ or longitudinal studies/ or prospective studies/ or retrospective studies/
16	pain.tw,kf.
17	and/15-16
18	or/12-14,17
19	and/11,18
20	(function* or stiffness or contracture*).tw,kf.
21	(muscle adj3 (strength* or weakness or fatigue or tonus)).tw,kf.
22	Contracture/
23	"Recovery of Function"/
24	"Range of Motion, Articular"/
25	locomotion/ or walking/ or gait/ or walking speed/ or stair climbing/
26	"Activities of Daily Living"/ or (adl or (daily adj3 activit*)).tw,kf.
27	Movement/
28	muscle fatigue/ or muscle tonus/ or physical exertion/ or postural balance/ or Muscle Strength/

29	(sitting or lying or standing or balance or posture or rising or neeling or bend* or walk* or gait or stair* or extension* or stability or contracture* or movement* or motion* or locomotion* or mobility or twisting or pivoting or straighten* or swelling or grinding or clicking or squatting or running or jumping).tw,kf.
30	treatment outcome/ or treatment failure/ or outcome*.tw,kf.
31	patient reported outcome measures/
32	("Knee injury and Osteoarthritis Outcome Score" or womac or koos or "American Knee Society Score" or AKSS or Kellgren Lawrence).tw,kf.
33	or/20-32
34	cohort studies/ or follow-up studies/ or longitudinal studies/ or prospective studies/ or retrospective studies/
35	Postoperative Period/
36	(post* or after or follow* or cohort* or prospectiv* or longitudinal).tw,kf.
37	or/34-36
38	and/11,33,37
39	or/19,38
40	limit 39 to yr="2000 -Current"
41	limit 40 to "reviews (best balance of sensitivity and specificity)"
42	40 not 41

**Embase Classic+Embase 1947 to 2018 June 25**

Search date: 01.01.2000 - 27.06.2018.

Updated search: 28.06.2018 - 01.08.2019

#	Searches
1	knee replacement/ or total knee arthroplasty/
2	(tkr or tjkr or tka or tjka).tw,kw.
3	(knee adj3 (arthroplast* or replacement*)).tw,kw.
4	(total adj2 knee*).tw,kw.
5	(knee* adj2 prothes*).tw,kw.
6	or/1-5
7	risk factor/ or risk/ or protection/ or risk assessment/
8	prognosis/ or (prognos* or risk* or predict*).tw,kw.
9	"prediction and forecasting"/ or prediction/
10	(preoperative factor* or pre operative factor* or protective factor*).tw,kw.
11	or/7-10
12	and/6,11
13	(pain adj3 (post* or ongoing or on going or long* or persist* or prolong* or after or follow*)).tw,kw.
14	postoperative pain/
15	(pain/ or chronic pain/ or musculoskeletal pain/) and (post* or ongoing or on going or long* or persist* or prolonged or after or follow*).tw,kw.
16	cohort analysis/ or follow up/ or longitudinal study/ or prospective study/ or retrospective study/
17	pain.tw,kw.
18	and/16-17
19	or/13-15,18
20	and/12,19
21	knee function/ or muscle function/ or muscle rigidity/ or muscle contraction/ or muscle strength/ or muscle fatigue/ or muscle function/ or muscle stretching/ or muscle weakness/
22	contracture/ or flexion contracture/ or joint contracture/ or muscle contracture/
23	convalescence/
24	locomotion/ or climbing/ or stair climbing/ or jumping/ or walking/ or gait/ or walking speed/
25	daily life activity/ or (daily life activity or activities of daily living or adl).tw,kw.
26	exp musculoskeletal function/ or Movement/
27	joint swelling/ or grinding/
28	(function* or stiffness or contracture*).tw,kw.
29	(muscle adj3 (strength* or weakness or fatigue or tonus)).tw,kw.
30	(sitting or lying or standing or balance or posture or rising or neeling or bend* or walk* or gait or stair* or extension* or stability or contracture* or movement* or motion* or locomotion* or

	mobility or twisting or pivoting or straighten* or swelling or grinding or clicking or squatting or running or jumping).tw,kw.
31	treatment outcome/ or treatment failure/ or patient-reported outcome/ or clinical outcome/ or outcome*.tw,kw.
32	"knee injury and osteoarthritis outcome score"/ or "Western Ontario and McMaster Universities Osteoarthritis Index"/ or ("Knee injury and Osteoarthritis Outcome Score" or womac or koos or "American Knee Society Score" or AKSS or Kellgren Lawrence).tw,kw.
33	or/21-32
34	cohort analysis/ or follow up/ or longitudinal study/ or prospective study/ or retrospective study.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]
35	postoperative period/
36	(post* or after or follow* or cohort* or prospectiv* or longitudinal).tw,kw.
37	or/34-36
38	and/12,33,37
39	or/20,38
40	limit 39 to yr="2000 -Current"
41	limit 40 to conference abstract
42	40 not 41
43	limit 40 to "reviews (best balance of sensitivity and specificity)"
44	43 not 41
45	42 not 43

**CINAHL( Ebsco):**

Search date: 01.01.2000 - 27.06.2018.

Updated search: 28.06.2018 - 01.08.2019

#	Query	Limiters/Expanders
S1	(MH "Arthroplasty, Replacement, Knee+")	Search modes - Boolean/Phrase
S2	TX tkr or tjkr or tka or tjka	Search modes - Boolean/Phrase
S3	TX knee* N3 (arthroplast* or replacement*)	Search modes - Boolean/Phrase
S4	TX (total N2 knee*)	Search modes - Boolean/Phrase
S5	TX (knee* N2 prosthes*)	Search modes - Boolean/Phrase
S6	S1 OR S2 OR S3 OR S4 OR S5	Search modes - Boolean/Phrase
S7	(MH "Risk Factors")	Search modes - Boolean/Phrase
S8	(MH "Risk Assessment")	Search modes - Boolean/Phrase
S9	MH "Prognosis")	Search modes - Boolean/Phrase
S10	TX prognos* or risk* or predict* or preoperative factor* or protective factor*	Search modes - Boolean/Phrase
S11	S7 OR S8 OR S9 OR S10	Search modes - Boolean/Phrase
S12	S6 AND S11	Search modes - Boolean/Phrase
S13	( TX pain N2 (TX (post* or ongoing or "on going" or long* or persist* or prolong* or after or follow* ) ) OR (MH "Postoperative Pain") OR TX pain AND (MH "Prospective Studies+")	Search modes - Boolean/Phrase
S14	(MH "Pain+") OR (MH "Knee Pain+") OR (MH "Muscle Pain") AND TX post* or ongoing or "on going" or long* or persist* or prolong* or after or follow*	Search modes - Boolean/Phrase
S15	S13 OR S14	Search modes - Boolean/Phrase
S16	S12 AND S15	Search modes - Boolean/Phrase
S17	(MH "Movement") OR (MH "Hopping") OR (MH "Jumping") OR (MH "Kneeling+") OR (MH "Extension+") OR (MH "Locomotion") OR (MH "Walking+") OR (MH "Gait+") OR (MH	Search modes - Boolean/Phrase

	"Step") OR (MH "Range of Motion") OR (MH "Rising") OR (MH "Sitting") OR (MH "Squatting") OR (MH "Stair Climbing") OR (MH "Standing+") OR (MH "Stretching")	
S18	(MH "Muscle Fatigue") OR (MH "Muscle Strength+") OR (MH "Muscle Tonus")	Search modes - Boolean/Phrase
S19	TX (function* or stiffness or contracture*)	Search modes - Boolean/Phrase
S20	TX (muscle N3 (strength* or weakness or fatigue or tonus))	Search modes - Boolean/Phrase
S21	(MH "Contracture+")	Search modes - Boolean/Phrase
S22	(MH "Activities of Daily Living+")	Search modes - Boolean/Phrase
S23	TX (activities or daily living or adl)	Search modes - Boolean/Phrase
S24	(MH "Treatment Outcomes+") OR (MH "Fatal Outcome") OR (MH "Treatment Failure")	Search modes - Boolean/Phrase
S25	TX outcome*	Search modes - Boolean/Phrase
S26	TX "Knee injury and Osteoarthritis Outcome Score" or womac or koos or "American Knee Society Score" or AKSS or Kellgren Lawrence)	Search modes - Boolean/Phrase
S27	S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26	Search modes - Boolean/Phrase
S28	(MH "Postoperative Period") OR (MH "Prospective Studies+")	Search modes - Boolean/Phrase
S29	TX (post* or after or follow* or cohort* or prospectiv* or longitudinal)	Search modes - Boolean/Phrase
S30	S28 OR S29	Search modes - Boolean/Phrase
S31	S12 AND S27 AND S30	Search modes - Boolean/Phrase
S32	S16 OR S31	Search modes - Boolean/Phrase
S33	S16 OR S31	Limiters - Published Date: 20180601-20190831 Search modes - Boolean/Phrase
S34	S16 OR S31	Limiters - Published Date: 20000101-20180631; Clinical Queries: Review - Best Balance

		Search modes - Boolean/Phrase
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## The Cochrane Library

Search date: 01.01.2000 - 27.06.2018.

Updated search: 28.06.2018 - 01.08.2019

#1	MeSH descriptor: [Arthroplasty, Replacement, Knee] this term only
#2	tkr or tjkr or tka or tjka:ti,ab,kw (Word variations have been searched)
#3	knee near/3 (arthroplast* or replacement*):ti,ab,kw (Word variations have been searched)
#4	total near/2 knee*:ti,ab,kw (Word variations have been searched)
#5	knee near/2 prostheses:ti,ab,kw or knee near/2 prosthesis:ti,ab,kw (Word variations have been searched)
#6	#1 or #2 or #3 or #4 or #5
#7	MeSH descriptor: [Risk] explode all trees
#8	MeSH descriptor: [Prognosis] this term only
#9	prognos* or risk* or predict*:ti,ab,kw (Word variations have been searched)
#10	preoperative factor* or pre operative factor* or protective factor*:ti,ab,kw (Word variations have been searched)
#11	#7 or #8 or #9 or #10
#12	#6 and #11
#13	pain near/3 (post* or ongoing or "on going" or long* or persist* or prolong* or after or follow*):ti,ab,kw (Word variations have been searched)
#14	MeSH descriptor: [Pain, Postoperative] this term only
#15	MeSH descriptor: [Pain] this term only
#16	MeSH descriptor: [Chronic Pain] this term only
#17	MeSH descriptor: [Musculoskeletal Pain] this term only
#18	#14 or #15 or #16 or #17
#19	post* or ongoing or on going or long* or persist* or prolonged or after or follow*:ti,ab,kw (Word variations have been searched)
#20	#18 and #19
#21	MeSH descriptor: [Cohort Studies] explode all trees
#22	pain:ti,ab,kw (Word variations have been searched)
#23	#21 and #22
#24	#13 or #20 or #23
#25	#12 and #24
#26	function* or stiffness or contracture*:ti,ab,kw (Word variations have been searched)
#27	muscle near/3 (strength* or weakness or fatigue or tonus):ti,ab,kw (Word variations have been searched)
#28	MeSH descriptor: [Contracture] this term only
#29	MeSH descriptor: [Recovery of Function] this term only
#30	MeSH descriptor: [Range of Motion, Articular] this term only
#31	MeSH descriptor: [Locomotion] this term only
#32	MeSH descriptor: [Walking] explode all trees
#33	MeSH descriptor: [Activities of Daily Living] this term only
#34	"activities of daily living" or adl:ti,ab,kw (Word variations have been searched)
#35	MeSH descriptor: [Movement] this term only
#36	MeSH descriptor: [Muscle Fatigue] this term only
#37	MeSH descriptor: [Muscle Tonus] this term only
#38	MeSH descriptor: [Physical Exertion] this term only
#39	MeSH descriptor: [Postural Balance] this term only



#40	MeSH descriptor: [Muscle Strength] this term only
#41	sitting or lying or standing or balance or posture or rising or neeling or bend* or walk* or gait or stair* or extension* or stability or contracture* or movement* or motion* or locomotion* or mobility or twisting:ti,ab,kw or pivoting or straighten* or swelling or grinding or clicking or squatting or running or jumping:ti,ab,kw (Word variations have been searched)
#42	MeSH descriptor: [Treatment Outcome] this term only
#43	MeSH descriptor: [Treatment Failure] this term only
#44	outcome:ti,ab,kw (Word variations have been searched)
#45	MeSH descriptor: [Patient Reported Outcome Measures] this term only
#46	"Knee injury and Osteoarthritis Outcome Score" or womac or koos or "American Knee Society Score" or AKSS or "Kellgren Lawrence":ti,ab,kw (Word variations have been searched)
#47	#26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46
#48	MeSH descriptor: [Cohort Studies] explode all trees
#49	MeSH descriptor: [Postoperative Period] explode all trees
#50	post* or after or follow* or cohort* or prospectiv* or longitudinal:ti,ab,kw (Word variations have been searched)
#51	#48 or #49 or #50
#52	#47 and #51
#53	#12 and #52
#54	#25 or #53 with Publication Year from 2018 to 2019, with Cochrane Library publication date Between Jun 2018 and Aug 2019

**PRDro (Physiotherapy Evidence Database):**

Search date: 01.01.2000 - 27.06.2018.

Updated search: 28.06.2018 - 01.08.2019