



Supplement to the Clinical Practice Guideline for the Surgical Management of Osteoarthritis of the Knee

e-Appendix 1

- PICO Questions
- Inclusion Criterion
- Search Strategy
- Excluded Articles
- AAOS Approval Bodies
- Review Organizations
- Letters of Endorsement from External Organizations

This supplementary material has been provided by the authors to give readers additional information about their work

Table of Contents

PICO Questions	3
Inclusion Criteria.....	4
Literature Search Strategy.....	5
Excluded Articles.....	12
AAOS Approval Bodies.....	57
Review Organizations	57
Letters of Endorsement from External Organizations.....	58

PICO Questions

PICO Topic	Full Question
1. Drains	In adult patients with osteoarthritis undergoing TKA who have a drain put in at the time of surgery, is there a reduction in complications or an improvement in outcomes compared with patients who do not have a drain placed?
2. Bone Cement Fixation	In adult patients with osteoarthritis undergoing KA (vs TKA?), does the use of bone cement fixation for one or more of the knee arthroplasty components improve outcomes or reduce complications when compared with use of bony ingrowth components (no use of bone cement).
3. Unicompartmental Arthroplasty	In adult patients with osteoarthritis undergoing unicompartmental KA for predominantly unicompartmental OA, are outcomes and/or implant survivorship improved compared to those patients undergoing osteotomy (distal femoral for lateral compartment involvement, proximal tibial for medial compartment involvement, and tibial tubercle for patellofemoral involvement) or TKA?
4. Neuraxial Anesthesia	In adult patients with osteoarthritis undergoing KA and with no known contraindications to specific anesthesia, does neuraxial anesthesia reduce complications or improve outcomes compared to general anesthesia?
5. Peripheral Nerve Blockade	In adult patients with osteoarthritis undergoing KA and with no known contraindications to specific anesthesia, does peri-operative peripheral nerve block for pain control reduce complications or improve outcomes compared to using no peripheral nerve block?
6. Tranexamic Acid	In adult patients with osteoarthritis undergoing KA and with no known contraindications to the use of tranexamic acid, does the use of topical, nasal, oral or intravenous tranexamic acid reduce complications and / or improve outcomes compared to not using tranexamic acid?
7. Bilateral Total Knee Arthroplasty	In adult patients with bilateral osteoarthritis undergoing TKA and with no known contraindications, does bilateral simultaneous KA (both knee surgeries during the same anesthetic) have improved outcomes or reduced complications compared with the combined complications of both individual KA (two knee surgeries, with two separate anesthetics) either within 90 days or within 6 months?
8. Surgical Navigation	In adult patients with osteoarthritis undergoing KA and with no known contraindications to surgical navigation, does intraoperative surgical navigation improve outcomes or decrease complications compared with not using surgical navigation?
9. Risk Stratification	In obese (WHO definition, BMI ≥ 30) adult patients with osteoarthritis undergoing KA, are outcomes diminished (?) or complications increased compared with non-obese patients (WHO definition, BMI < 30) undergoing KA? Smoking: In adult currently tobacco-smoking patients with osteoarthritis undergoing KA, are outcomes diminished or complications increased compared with non-currently tobacco-smoking patients undergoing KA? Depression: In depressed adult patients with osteoarthritis undergoing KA, are outcomes diminished or complications increased compared with non-depressed patients undergoing KA? Diabetes: In diabetic adult patients with osteoarthritis undergoing KA, are outcomes diminished or complications increased compared with non-diabetic patients undergoing KA?
10. Tourniquet	In adult patients with osteoarthritis undergoing TKA and with no known contraindications, does using a tourniquet during surgery improve outcomes or decrease complications compared with not using a tourniquet?
11. Patellar Resurfacing	In adult patients with osteoarthritis undergoing TKA, does patellar resurfacing improve outcomes or decrease complications when compared to patients without patellar resurfacing?
12. Cruciate Retaining Arthroplasty	In adult patients with osteoarthritis undergoing TKA, does the use of cruciate retaining arthroplasty design improve outcomes or decrease complications when compared to patients with posterior stabilized arthroplasty design?
13. Patient Specific Technology	In adult patients with osteoarthritis undergoing KA, does the use of patient specific technology improve outcomes and / or decrease complications when compared to standard knee replacement technique?
14. Periarticular Local Infiltration	In adult patients with osteoarthritis undergoing KA and with no known contraindications to specific medications used, does peri-articular local infiltration (anesthetic and/or anti-inflammatory and/or analgesic) reduce complications or improve outcomes compared to not injecting this mixture?
15. Poly-tibias	In adult patients with osteoarthritis undergoing KA, does use of an all-polyethylene tibial component increase complications or diminish outcomes compared to a modular (metal and polyethylene) tibial component?
16. Discharge Facilities	In adult patients with osteoarthritis undergoing KA, does discharge to an acute rehabilitation facility or skilled nursing facility improve outcomes and / or decrease complications compared with discharge to home, with or without home services?
17. Robotics in TKA	In adult patients with osteoarthritis undergoing KA, does robotic-assistance technology improve outcomes and / or decrease complications?

18. Robotics in UKA	In adult patients with osteoarthritis undergoing medial unicompartmental KA, does robotic-assistance technology improve outcomes and / or decrease complications?
19. Kinematic Alignment	In adult patients with osteoarthritis undergoing KA, does kinematic alignment improve outcomes and / or decrease complications?
20. Pre-operative Opioid Usage	In adult patients with osteoarthritis undergoing KA, does pre-operative opioid consumption leads to poor patient outcomes?

Inclusion Criteria

Surgical Management of Osteoarthritis of the Knee

1. Study must be of an osteoarthritis-related injury or prevention thereof
2. Study must be published in or after 1995 for surgical treatment, rehabilitation, bracing, prevention
3. Study must be published in or after 1995 for all others non specified
4. Study should have 20 or more patients per group (Work group may further define sample size)
5. For surgical treatment a minimum of collect all follow up times(refer to PICO questions for detailed follow up duration)
6. For *prevention* studies a minimum of N days/months/year (refer to PICO questions for detailed follow up duration)

Standard Criteria for all CPGs

Article must be a full article report of a clinical study.

Retrospective non-comparative case series, medical records review, meeting abstracts, historical articles, editorials, letters, and commentaries are **excluded**.

Confounded studies (i.e. studies that give patients the treatment of interest AND another treatment) are **excluded**.

Case series studies that have non-consecutive enrollment of patients are **excluded**.

Controlled trials in which patients were not stochastically assigned to groups AND in which there was either a difference in patient characteristics or outcomes at baseline AND where the authors did not statistically adjust for these differences when analyzing the results are **excluded**.

All studies of “Very Weak” strength of evidence are **excluded**. All studies evaluated as Level V will be **excluded**.

Composite measures or outcomes are **excluded** even if they are patient-oriented.

Study must appear in a peer-reviewed publication

For any included study that uses “paper-and-pencil” outcome measures (e.g., SF-36), only those outcome measures that have been validated will be included

For any given follow-up time point in any included study, there must be $\geq 50\%$ patient follow-up (if the follow-up is $>50\%$ but $<80\%$, the study quality will be downgraded by one Level)

Study must be of humans

Study must be published in English

Study results must be quantitatively presented Study must not be an in vitro study

Study must not be a biomechanical study

Study must not have been performed on cadavers

We will only evaluate surrogate outcomes when no patient-oriented outcomes are available.

Literature Search Strategy

Database:	MEDLINE
Interface:	Ovid MEDLINE® and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions ® 1946 to December 3, 2020
Date of Initial Search:	12/4/2020
Search	SMOAK 2020
Query #	Search
1	exp Osteoarthritis-Knee/ OR (gonitis OR gonarthritis OR gonarthros*).ti,ab,kf.
2	exp Knee-Joint/ OR Knee/ OR (knee OR knees).ti,ab,kf.
3	Osteoarthritis/ OR Arthritis/ OR (osteoartriti* OR osteoarthros* OR OA OR arthriti* OR arthrosis OR ((non-inflamm* OR noninflamm* OR degenerat* OR hypertropic) AND (joint? OR disease?))).ti,ab,kf.
4	(exp Animals/ NOT Humans/) OR exp Cadaver/ OR (animal? OR dog OR dogs OR canine OR cats OR feline OR horse? OR equine OR mouse OR mice OR rat OR rats OR rabbit? OR sheep OR porcine OR pig OR pigs OR rodent? OR monkey?).ti. OR (cadaver* OR in vitro).ti,ab. OR ((comment OR editorial OR letter OR historical article) NOT clinical trial).pt. OR address.pt. OR news.pt. OR newspaper article.pt. OR pmcbook.af. OR case reports.pt. OR (case report? OR abstracts OR editorial OR reply OR comment? OR commentary OR letter OR biomechanic*).ti.
5	(exp Infant/ OR exp Child/ OR exp Adolescent/ OR (pediatric* OR child OR children OR childhood OR adolescen* OR juvenile?).ti.) NOT (exp Adult/ OR adult*.ti.)
6	((1 OR (2 AND 3)) NOT (4 OR 5)) AND English.lg.
7	Arthroplasty-Replacement-Knee/ OR (arthroplast* OR replacement? OR TKA OR TKR).ti,ab,kf.
8	6 AND 7
9	exp Drainage/ OR drain*.ti,ab,kf.
10	Bone-Cements/ OR (cement* OR uncement* OR press-fit* OR (hybrid ADJ (arthroplast* OR replacement? OR TKA)) OR PMMA OR polymethylmethacrylate).ti,ab,kf.
11	(unicompartment* OR compartment* OR unicondylar OR (partial ADJ5 (arthroplast* OR replacement? OR TKA))).mp.
12	Anesthesia-Conduction/ OR exp Anesthesia-Epidural/ OR Anesthesia-Spinal/ OR exp Injections-Spinal/ OR ((neuraxial OR spinal OR epidural OR regional).ti,ab,kf. AND (exp Anesthetics/ OR exp Analgesics/ OR (anesthesia OR anesthetic? OR analgesi*).ti,ab,kf.))

13	Anesthesia-Local/ OR Anesthetics-Local/ OR exp Nerve-Block/ OR exp Injections-Intra-Articular/ OR ((nerve OR local OR peripheral OR periarticular OR intraarticular OR articular).ti,ab,kf. AND (exp Analgesics/ OR exp Adrenal-Cortex-Hormones/ OR (an?esthesia OR an?esthetic? OR analgesi* OR block* OR inject* OR corticosteroid* OR cortisone OR prednisolone OR methylprednisolone OR triamcinolone OR glucocorticoid* OR steroid* OR anti-inflammatory*).ti,ab,kf.))
14	Tranexamic-Acid/ OR tranexamic.ti,ab,kf.
15	(bilateral AND (simultaneous* OR sequential* OR ((one OR single) ADJ (stage? OR an?esthe*))).ti,ab,kf.
16	Surgery-Computer-Assisted/ OR exp Computer-Aided-Design/ OR ((computer ADJ (assist* OR aid*)) OR patient-specific OR patient-matched OR PSI).ti,ab,kf.
17	(kinematic* AND mechanical* AND align*).mp.
18	Risk-Factors/ OR Risk-Assessment/ OR exp Comorbidity/ OR exp Overweight/ OR Body-Mass-Index/ OR exp Diabetes-Mellitus/ OR exp Nervous-System-Diseases/ OR (obes* OR body-mass OR BMI OR comorbidit* OR co-morbidit* OR depressi* OR diabet* OR smok* OR hepatitis OR renal-insufficiency OR HIV OR Parkinson* OR neuropath* OR prognos* OR (predict* AND (outcome? OR factor?))).mp.
19	tourniquet?.mp.
20	(patell* AND (resurfac* OR re-surfac*)).mp.
21	((cruciate OR bicruciate OR condylar) ADJ5 (retain* OR retention OR preserv* OR spar* OR stabili*)).mp.
22	(polyethylene? OR poly).mp.
23	(postdischarg* OR discharg*).mp.
24	robo*.mp.
25	exp Narcotics/ OR (narcotic? OR opioid? OR opiate? OR oxycodone OR morphine OR Duramorph OR fentanyl OR meperidine OR tramadol).ti,ab,kf.
26	8 AND (9 OR 16 OR 22)

27	8 AND (10 OR 11 OR 12 OR 15 OR 18 OR 19 OR 21 OR 23)
28	8 AND (13 OR 14 OR 17 OR 24 OR 25)
29	randomized-controlled-trial.pt. OR exp Randomized-Controlled-Trials-as-Topic/ OR random-allocation/ OR random*.ti,ab.
30	(MEDLINE OR (systematic* AND review*) OR meta-analys*).ti,ab. OR (meta-analysis OR systematic-review).pt.
31	29 OR 30
32	31 OR registr*.mp.
33	26 AND 31
34	8 AND 20 AND 32
35	limit 33 to yr="2015-Current"
36	limit 34 to yr="2015-Current"
37	limit 27 to yr="2015-Current"
38	28 OR 35 OR 36 OR 37
39	limit 38 to ez=20201204-20210924

Database:	Embase
Interface:	Elsevier
Date:	12/4/2020
Search	SMOAK 2020
Query #	Search
1	knee-osteoarthritis/exp OR (gonitis OR gonarthritis OR gonarthros*):ti,ab,kw
2	knee/exp OR (knee OR knees):ti,ab,kw
3	osteoarthritis/de OR arthritis/de OR (osteoarthritis* OR osteoarthros* OR OA OR arthriti* OR arthrosis OR ((non-inflamm* OR noninflamm* OR degenerat* OR hypertropic) AND (joint\$ OR disease\$))):ti,ab,kw
4	abstract-report/de OR book/de OR editorial/de OR editorial:it OR note/de OR note:it OR letter/de OR letter:it OR case-study/de OR case-report/de OR chapter:it OR conference-paper/exp OR conference-paper:it OR conference-abstract:it OR conference-review:it OR (abstracts OR editorial OR reply OR comment\$ OR commentary OR letter OR biomechanic*):ti OR cadaver/de OR in-vitro-study/exp OR (cadaver* OR in-vitro):ti,ab OR animal-experiment/exp OR (animal\$ OR dog OR dogs OR canine OR cats OR feline OR horse\$ OR equine OR mouse OR mice OR rat OR rats OR rabbit\$ OR sheep OR porcine OR pig OR pigs OR rodent\$ OR monkey\$):ti
5	(Juvenile/exp OR (p\$ediatric* OR child OR children OR adolescen* OR juvenile\$):ti) NOT (adult/exp OR adult*:ti)
6	(#1 OR (#2 AND #3)) NOT (#4 OR #5) AND [english]/lim
7	knee-arthroplasty/exp OR (arthroplast* OR replacement\$ OR TKA OR TKR):ti,ab,kw
8	#6 AND #7
9	surgical-drainage/exp OR drain/exp OR drain*:ti,ab,kw
10	bone-cement/exp OR (cement* OR uncement* OR press-fit* OR (hybrid NEXT/1 (arthroplast* OR replacement\$ OR TKA)) OR PMMA OR polymethylmethacrylate):ti,ab,kw
11	unicompartmental-knee-prosthesis/de OR (unicompartment* OR compartment* OR unicondylar OR (partial NEAR/5 (arthroplast* OR replacement\$ OR TKA))):ti,ab,kw
12	spinal-anesthesia/de OR epidural-anesthesia/exp OR epidural-analgesia/de OR regional-anesthesia/de OR ((neuraxial OR spinal OR epidural OR regional):ti,ab,kw AND (anesthetic-agent/exp OR analgesic-agent/exp OR (an\$esthesia OR an\$esthetic? OR analgesi*):ti,ab,kw))
13	local-anesthesia/exp OR local-anesthetic-agent/exp OR nerve-block/exp OR periarticular-drug-administration/exp OR intraarticular-drug-administration/exp OR ((nerve OR local OR peripheral OR periarticular OR intraarticular OR articular):ti,ab,kw AND (analgesic-agent/exp OR (an\$esthesia OR an\$esthetic\$ OR analgesi* OR block* OR inject* OR corticosteroid* OR cortisone OR prednisolone OR methylprednisolone OR triamcinolone OR glucocorticoid* OR steroid* OR anti-inflammatory*):ti,ab,kw))
14	tranexamic-acid/de OR tranexamic:ti,ab,kw
15	(bilateral AND (simultaneous* OR sequential* OR ((one OR single) NEXT/1 (stage\$ OR an\$esthe*)))):ti,ab,kw
16	computer-assisted-surgery/de OR computer-aided-design/exp OR ((computer NEXT/1 (assist* OR aid*)) OR patient-specific OR patient-matched OR PSI):ti,ab,kw
17	(kinematic* AND mechanical* AND align*):ti,ab,kw

18	risk-factor/de OR risk-assessment/de OR comorbidity/de OR comorbidity-assessment/exp OR overweight/exp OR body-mass/de OR diabetes-mellitus/exp OR neurologic-disease/exp OR depression/exp OR (obes* OR body-mass OR BMI OR comorbidit* OR co-morbidit* OR depressi* OR diabet* OR smok* OR hepatitis OR renal-insufficiency OR HIV OR Parkinson* OR neuropath* OR prognos* OR (predict* AND (outcome\$ OR factor\$))):ti,ab,kw
19	tourniquet/exp OR tourniquet\$:ti,ab,kw
20	(patell* AND (resurfac* OR re-surfac*)):ti,ab,kw
21	((cruciate OR bicruciate OR condylar) NEAR/5 (retain* OR retention OR preserv* OR spar* OR stabili*)):ti,ab,kw
22	polyethylene/de OR (polyethylene\$ OR poly):ti,ab,kw
23	hospital-discharge/de OR (postdischarg* OR discharg*):ti,ab,kw
24	robot-assisted-surgery/exp OR robotics/exp OR robo*:ti,ab,kw
25	narcotic-agent/exp OR narcotic-analgesic-agent/exp OR (narcotic\$ OR opioid\$ OR opiate\$ OR oxycodone OR morphine OR Duramorph OR fentanyl OR meperidine OR tramadol):ti,ab,kw
26	#8 AND (#9 OR #16 OR #22)
27	#8 AND (#10 OR #11 OR #12 OR #15 OR #18 OR #19 OR #21 OR #23)
28	#8 AND (#13 OR #14 OR #17 OR #24 OR #25)
29	randomized-controlled-trial/exp OR randomized-controlled-trial-topic/exp OR randomization/de OR random*:ti,ab,kw
30	systematic-review/exp OR meta-analysis/exp OR ((systematic* NEAR/2 review*):ti,ab,kw) OR meta-analys*:ti,ab,kw
31	#29 OR #30
32	#31 OR (register/de OR registr*:ti,ab,kw)
33	#26 AND #31
34	#8 AND #20 AND #32
35	#33 AND [2015-3000]/py
36	#34 AND [2015-3000]/py
37	#27 AND [2015-3000]/py
38	#28 OR #35 OR #36 OR #37
39	(#28 OR #35 OR #36 OR #37) AND [4-12-2020]/sd NOT [25-9-2021]/sd

Database:	Cochrane Central Register of Controlled Trials (CENTRAL)
Interface:	Wiley (https://www.cochranelibrary.com/central)
Date:	12/4/2020
Search	SMOAK 2020
Query #	Search
1	[mh "Osteoarthritis, Knee"] OR (gonitis OR gonarthritis OR gonarthros*):ti,ab,kw
2	[mh "Knee Joint"] OR [mh Knee] OR (knee OR knees):ti,ab,kw
3	[mh ^Osteoarthritis] OR [mh ^Arthritis] OR (osteoarthriti* OR osteoarthros* OR OA OR arthriti* OR arthrosis OR ("non inflamm*" OR noninflamm* OR degenerat* OR hypertropic) AND (joint? OR disease?)):ti,ab,kw
4	"conference abstract":pt OR (abstracts OR editorial OR reply OR comment? OR commentary OR letter OR biomechanic*):ti OR (cadaver* OR "in vitro"):ti,ab OR (animal? OR dog OR dogs OR canine OR cats OR feline OR horse? OR equine OR mouse OR mice OR rat OR rats OR rabbit? OR sheep OR porcine OR pig OR pigs OR rodent? OR monkey?):ti
5	([mh Infant] OR [mh Child] OR [mh Adolescent] OR (pediatric* OR paediatric* OR child OR children OR childhood OR adolescen* OR juvenile?):ti) NOT ([mh Adult] OR adult*:ti)
6	(#1 OR (#2 AND #3)) NOT (#4 OR #5)
7	[mh "Arthroplasty, Replacement, Knee"] OR (arthroplast* OR replacement? OR TKA OR TKR):ti,ab,kw
8	#6 AND #7
9	[mh Drainage] OR drain*:ti,ab,kw
10	[mh "Bone Cements"] OR (cement* OR uncement* OR "press fit*" OR (hybrid NEXT/1 (arthroplast* OR replacement? OR TKA) OR PMMA OR polymethylmethacrylate):ti,ab,kw
11	(unicompartment* OR compartment* OR unicondylar OR (partial NEAR/5 (arthroplast* OR replacement? OR TKA))):ti,ab,kw
12	[mh ^"Anesthesia, Conduction"] OR [mh "Anesthesia, Epidural"] OR [mh "Anesthesia, Spinal"] OR [mh "Injections, Spinal"] OR ((neuraxial OR spinal OR epidural OR regional):ti,ab,kw AND ([mh Anesthetics] OR [mh Analgesics] OR (an?esthesia OR an?esthetic? OR analgesi*):ti,ab,kw))
13	[mh "Anesthesia, Local"] OR [mh "Anesthetics, Local"] OR [mh "Nerve Block"] OR [mh "Injections, Intra-Articular"] OR ((nerve OR local OR peripheral OR periarticular OR intraarticular OR articular):ti,ab,kw AND ([mh Analgesics] OR (an?esthesia OR an?esthetic? OR analgesi* OR block* OR inject* OR corticosteroid* OR cortisone OR prednisolone OR methylprednisolone OR triamcinolone OR glucocorticoid* OR steroid* OR "anti inflamat*"):ti,ab,kw))
14	[mh "Tranexamic Acid"] OR tranexamic:ti,ab,kw
15	(bilateral AND (simultaneous* OR sequential* OR ((one OR single) NEXT/1 (stage? OR an?esthe?))):ti,ab,kw
16	[mh ^"Surgery, Computer-Assisted"] OR [mh "Computer-Aided Design"] OR ((computer NEXT/1 (assist* OR aid*)) OR "patient specific" OR "patient matched" OR PSI):ti,ab,kw
17	(kinematic* AND mechanical* AND align*):ti,ab,kw

18	[mh "Risk Factors"] OR [mh ^"Risk Assessment"] OR [mh Comorbidity] OR [mh Overweight] OR [mh "Body Mass Index"] OR [mh "Diabetes Mellitus"] OR [mh "Nervous System Diseases"] OR (obes* OR "body mass" OR BMI OR comorbidit* OR "co morbidit*" OR depressi* OR diabet* OR smok* OR hepatitis OR "renal insufficiency" OR HIV OR Parkinson* OR neuropath* OR prognos* OR (predict* AND (outcome? OR factor?))):ti,ab,kw
19	tourniquet?:ti,ab,kw
20	(patell* AND (resurfac* OR "re surfac*")):ti,ab,kw
21	((cruciate OR bicruciate OR condylar) NEAR/5 (retain* OR retention OR preserv* OR spar* OR stabili*)):ti,ab,kw
22	(polyethylene? OR poly):ti,ab,kw
23	(postdischarg* OR discharg*):ti,ab,kw
24	robo*:ti,ab,kw
25	[mh Narcotics] OR (narcotic? OR opioid? OR opiate? OR oxycodone OR morphine OR Duramorph OR fentanyl OR meperidine OR tramadol):ti,ab,kw
26	#8 AND (#9 OR #16 OR #20 OR #22) <i>with Publication Year from 2015 to 2020, in Trials [with Cochrane Library publication date from Dec 2020 to Sep 2021, in Trials]</i> --> this last part is on update only
27	#8 AND (#10 OR #11 OR #12 OR #15 OR #18 OR #19 OR #21 OR #23) <i>with Publication Year from 2015 to 2020, in Trials [with Cochrane Library publication date from Dec 2020 to Sep 2021, in Trials]</i> --> this last part is on update only
28	#8 AND (#13 OR #14 OR #17 OR #24 OR #25) <i>[with Cochrane Library publication date from Dec 2020 to Sep 2021, in Trials]</i> --> this last part is on update only
29	#26 OR #27 OR #28

Excluded Articles

Authors	Article Title	Year	Reason for Exclusion
Ä‡avusoglu, A. T.; Ayanoglu, T.; Esen, E.; Atalar, H.; Turanli, S.	Is intraarticular administration of tranexamic acid efficient and safe as systemic administration in total knee arthroplasty? Single center, randomized, controlled trial	2015	not in English
Abdel, M. P.; Chalmers, B. P.; Taunton, M. J.; Pagnano, M. W.; Trousdale, R. T.; Sierra, R. J.; Lee, Y. Y.; Boettner, F.; Su, E. P.; Haas, S. B.; Figgie, M. P.; Mayman, D. J.	Intravenous Versus Topical Tranexamic Acid in Total Knee Arthroplasty: Both Effective in a Randomized Clinical Trial of 640 Patients	2018	irrelevant topic; topical vs IV
Abdel, M. P.; Ollivier, M.; Parratte, S.; Trousdale, R. T.; Berry, D. J.; Pagnano, M. W.	Effect of Postoperative Mechanical Axis Alignment on Survival and Functional Outcomes of Modern Total Knee Arthroplasties with Cement: A Concise Follow-up at 20 Years	2018	no comparison group
Abdulkarim, A.; Newton, A. C.; O'Donnell, T.; Neil, M. J.	The Influence of Patellofemoral Degenerative Changes on the Outcome of the Unicompartmental Knee Replacement: A Prospective Study	2020	irrelevant topic; patellofemoral arthroplasty
Abram, S. G. F.; Palmer, A. J. R.; Judge, A.; Beard, D. J.; Price, A. J.	Rates of knee arthroplasty in patients with a history of arthroscopic chondroplasty: results from a retrospective cohort study utilising the National Hospital Episode Statistics for England	2020	no comparison group
Ackermann, J.; Barbieri Mestriner, A.; Arango, D.; Ogura, T.; Gomoll, A. H.	Validation of the Oswestry Risk of Knee Arthroplasty Index (ORKA-1) for Patients Undergoing Autologous Chondrocyte Implantation	2020	irrelevant topic; Autologous chondrocyte implantation
Adams, A. J.; Kazarian, G. S.; Lonner, J. H.	Preoperative Patellofemoral Chondromalacia is Not a Contraindication for Fixed-Bearing Medial Unicompartmental Knee Arthroplasty	2017	irrelevant topic; bearing design
Adravanti, P.; Di Salvo, E.; Calafiore, G.; Vasta, S.; Ampollini, A.; Rosa, M. A.	A prospective, randomized, comparative study of intravenous alone and combined intravenous and intraarticular administration of tranexamic acid in primary total knee replacement	2018	irrelevant topic; dosage comparison
Adravanti, P.; Tecame, A.; de Girolamo, L.; Ampollini, A.; Papalia, R.	Patella Resurfacing in Total Knee Arthroplasty: A Series of 1280 Patients at Midterm Follow-Up	2018	no comparison group
Agarwala, S.; Jadia, C.; Vijayvargiya, M.	Is obesity A contra-indication for a successful total knee arthroplasty?	2020	no comparison group
Agarwala, S.; Menon, A.	Safety and efficacy of sequential simultaneous bilateral total knee arthroplasty: A single centre retrospective cohort study	2020	irrelevant topic; unilateral vs bilateral
Aggarwal, A. K.; Singh, N.; Sudesh, P.	Topical vs Intravenous Tranexamic Acid in Reducing Blood Loss After Bilateral Total Knee Arthroplasty: A Prospective Study	2016	irrelevant topic; topical vs IV
Ahmed, S.; Ahmed, A.; Ahmad, S.; Atiq uz, Zaman; Javed, S.; Aziz, A.	Blood loss after intraarticular and intravenous tranexamic acid in total knee arthroplasty	2018	irrelevant topic; IV vs IA of same drug
Ahn, J. H.; Kang, D. M.; Choi, K. J.	Bilateral simultaneous unicompartmental knee arthroplasty versus unilateral total knee arthroplasty: A comparison of the amount of blood loss and transfusion, perioperative complications, hospital stay, and functional recovery	2017	irrelevant topic; unilateral vs bilateral
Ahn, J. H.; Kang, H. W.; Yang, T. Y.; Lee, J. Y.	Risk factors of post-operative malalignment in fixed-bearing medial unicompartmental knee arthroplasty	2016	irrelevant topic; post op alignment
Akhbari, P.; Malak, T.; Dawson-Bowling, S.; East, D.; Miles, K.; Butler-Manuel, P. A.	The Avon Patellofemoral Joint Replacement: Mid-Term Prospective Results from an Independent Centre	2015	no comparison group
Akti, S.; Karakus, D.; Sezgin, E. A.; Cankaya, D.	No differences in clinical outcomes or isokinetic performance between cruciate-substituting ultra-congruent and posterior stabilized total knee arthroplasties: a randomized controlled trial	2020	irrelevant topic; torque
Al Azzam, S.; Alaskar, M. A.; Al Rabiah, B. K.; Al haqbani, N. M.; Al Faleh, A. F.; Al Mugren, T. S.; Al Azzam, A. S.; Al Qahtani, H. F.	Thirty Days' post-operative complications following total knee replacement in King Abdul-Aziz Medical City, Riyadh research (Allied Science)	2018	irrelevant topic; general post op data

Alameri, M. A.; Syed Sulaiman, S. A. B.; Ashour, A. M. T.; Al-Saati, M. F.	Venous thromboembolism prevention protocol for adapting prophylaxis recommendations to the potential risk post total knee replacement: A randomized controlled trial	2020	irrelevant topic; risk assessment tools
Albrecht, E.; Morfey, D.; Chan, V.; Gandhi, R.; Koshkin, A.; Chin, K. J.; Robinson, S.; Frascarolo, P.; Brull, R.	Single-injection or continuous femoral nerve block for total knee arthroplasty?	2014	irrelevant topic; single injection vs continuous FNB
Aletto, C.; Zara, A.; Notarfrancesco, D.; Maffulli, N.	Computer assisted total knee arthroplasty: 2.5 years follow-up of 200 cases	2021	No control group
Alghadir, A. H.; Iqbal, Z. A.; Anwer, S.; Anwar, D.	Comparison of simultaneous bilateral versus unilateral total knee replacement on pain levels and functional recovery	2020	irrelevant topic; unilateral vs bilateral
Ali, A. M.; Pandit, H.; Liddle, A. D.; Jenkins, C.; Mellon, S.; Dodd, C. A.; Murray, D. W.	Does activity affect the outcome of the Oxford unicompartmental knee replacement?	2016	no comparison group
Ali, A.; Lindstrand, A.; Sundberg, M.; Flivik, G.	Preoperative Anxiety and Depression Correlate With Dissatisfaction After Total Knee Arthroplasty: A Prospective Longitudinal Cohort Study of 186 Patients, With 4-Year Follow-Up	2017	irrelevant topic; satisfied vs unsatisfied
Allen, W.; Eichinger, J.; Friedman, R.	Resurfaced versus Non-Resurfaced Patella in Total Knee Arthroplasty	2019	review
Allsop, S.; Fairhall, R.; Morphet, J.	The impact of pre-operative telephone support and education on symptoms of anxiety, depression, pain and quality of life post total knee replacement: An exploratory case study	2019	<20 patients per group
Alnachoukati, O. K.; Barrington, J. W.; Berend, K. R.; Kolczun, M. C.; Emerson, R. H.; Lombardi, A. V., Jr.; Mauerhan, D. R.	Eight Hundred Twenty-Five Medial Mobile-Bearing Unicompartmental Knee Arthroplasties: The First 10-Year US Multi-Center Survival Analysis	2018	no comparison group
Alnachoukati, O. K.; Emerson, R. H.; Diaz, E.; Ruchaud, E.; Ennin, K. A.	Modern Day Bicruciate-Retaining Total Knee Arthroplasty: A Short-Term Review of 146 Knees	2018	no comparison group
Al-Otaibi, M. L.	Total knee replacement at Southwestern Saudi Arabia: A single-center experience	2021	irrelevant topic; RA, trauma
Alshryda, S.; Mason, J.; Vaghela, M.; Sarda, P.; Nargol, A.; Maheswaran, S.; Tulloch, C.; Anand, S.; Logishetty, R.; Stothart, B.; Hungin, A. P. S.	Topical (intra-articular) tranexamic acid reduces blood loss and transfusion rates following total knee replacement: A randomized controlled trial (TRANX-K)	2013	<90% OA
Altinel, L.; Er, M. S.; Kacar, E.; Erten, R. A.	Diagnostic efficacy of standard knee magnetic resonance imaging and radiography in evaluating integrity of anterior cruciate ligament before unicompartmental knee arthroplasty	2015	irrelevant topic; diagnostic efficacy
Amin, M. S.; Habib, M. K.; Rehman, A. U.	Comparison of blood loss between intra-articular and intra-venous administration of tranexamic acid in primary total knee arthroplasty	2020	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Amundsen, S.; Lee, Y. Y.; Gonzalez Della Valle, A.	Algorithmic pie-crusting of the medial collateral ligament guided by sensing technology affects the use of constrained inserts during total knee arthroplasty	2017	irrelevant topic; constrained inserts
Andersen, M. R.; Winther, N. S.; Lind, T.; Schroder, H. M.; Mork Petersen, M.	Bone Remodeling of the Distal Femur After Uncemented Total Knee Arthroplasty-A 2-Year Prospective DXA Study	2018	no comparison group
Ang, C. L.; Yeo, S. J.	Quality of cementation in conventional versus minimally invasive total knee arthroplasty	2016	Irrelevant outcome-doesn't involve information requested for PICO
Ang, J. E.; Bin Abd Razak, H. R.; Howe, T. S.; Tay, B. K.; Yeo, S. J.	Obesity Does Not Affect Outcomes in Hybrid Versus Cemented Total Knee Arthroplasty in Asians	2017	no OA or unclear OA
Antoniadis, A.; Dimitriou, D.; Canciani, J. P.; Helmy, N.	A novel preoperative scoring system for the indication of unicompartmental knee arthroplasty, as predictor of clinical outcome and satisfaction	2019	irrelevant topic; scoring system
Antony, J.; Tetsworth, K.; Hohmann, E.	Influence of sagittal plane component alignment on kinematics after total knee arthroplasty	2017	irrelevant topic; component alignment

Arienti, C.; Pollet, J.; Buraschi, R.; Piovanelli, B.; Villafañe, J. H.; Galeri, S.; Negrini, S.	Fast-track rehabilitation after total knee arthroplasty reduces length of hospital stay: A prospective, case-control clinical trial	2021	No at home control group
Arnholdt, J.; Kamawal, Y.; Horas, K.; Holzapfel, B. M.; Gilbert, F.; Ripp, A.; Rudert, M.; Steinert, A. F.	Accurate implant fit and leg alignment after cruciate-retaining patient-specific total knee arthroplasty	2020	not RCT
Artz, N. J.; Hassaballa, M. A.; Robinson, J. R.; Newman, J. H.; Porteous, A. J.; Murray, J. R.	Patient Reported Kneeling Ability in Fixed and Mobile Bearing Knee Arthroplasty	2015	irrelevant topic; bearing design
Asada, S.; Inoue, S.; Tsukamoto, I.; Mori, S.; Akagi, M.	Obliquity of tibial component after unicompartmental knee arthroplasty	2019	no comparison group
Aslam, M. A.; Sabir, A. B.; Tiwari, V.; Abbas, S.; Tiwari, A.; Singh, P.	Approach to Total Knee Replacement: A Randomized Double Blind Study between Medial Parapatellar and Midvastus Approach in the Early Postoperative Period in Asian Population	2017	irrelevant topic; medial parapatellar approach vs midvastus approach
Aso, K.; Izumi, M.; Sugimura, N.; Okanoue, Y.; Kamimoto, Y.; Yokoyama, M.; Ikeuchi, M.	Additional benefit of local infiltration of analgesia to femoral nerve block in total knee arthroplasty: double-blind randomized control study	2019	irrelevant topic; FNB vs LIA + FNB
Augart, M. A.; Plate, J. F.; Bracey, D. N.; Jinnah, A.; Poehling, G. G.; Jinnah, R. H.	Robotic Lateral and Medial Unicompartmental Knee Arthroplasty	2015	review
Ayan, N. R. S.; Akalin, Y.; Cevik, N.; Saglicak, H.; Guler, B. O.; Ozturk, A.	Does Not Use of Closed Suction Drainage in Total Knee Arthroplasty with Tranexamic Acid Reduce Blood Loss?	2020	not RCT
Babazadeh, S.; Spelman, T. D.; Dowsey, M. M.; Choong, P. F. M.	Low grade of radiographic osteoarthritis predicts unsatisfactory response of the contralateral knee replacement in two-stage bilateral total knee arthroplasty	2021	irrelevant topic; patient satisfaction
Badawy, M.; Espehaug, B.; Fenstad, A. M.; Indrekvam, K.; Dale, H.; Havelin, L. I.; Furnes, O.	Patient and surgical factors affecting procedure duration and revision risk due to deep infection in primary total knee arthroplasty	2017	irrelevant topic; surgical duration
Badawy, M.; Fenstad, A. M.; Bartz-Johannessen, C. A.; Indrekvam, K.; Havelin, L. I.; Robertsson, O.; W. Dahl A; Eskelinen, A.; Makela, K.; Pedersen, A. B.; Schroder, H. M.; Furnes, O.	Hospital volume and the risk of revision in Oxford unicompartmental knee arthroplasty in the Nordic countries -an observational study of 14,496 cases	2017	irrelevant topic; hospital volume
Bae, J. H.; Kim, J. G.; Lee, S. Y.; Lim, H. C.; In, Y.; Muka Study group	Epidemiology of Bearing Dislocations After Mobile-Bearing Unicompartmental Knee Arthroplasty: Multicenter Analysis of 67 Bearing Dislocations	2020	irrelevant topic; bearing dislocations
Bae, K. C.; Cho, C. H.; Lee, K. J.; Son, E. S.; Lee, S. W.; Lee, S. J.; Lim, K. H.	Efficacy of intra-articular injection of thrombin-based hemostatic agent in the control of bleeding after primary total knee arthroplasty	2014	irrelevant topic; intra-articular injection
Bagsby, D.; Pierson, J. L.	Functional outcomes of simultaneous bilateral versus unilateral total knee arthroplasty	2015	irrelevant topic; unilateral vs bilateral
Baier, C.; Adelmund, S.; Schwab, F.; Lassahn, C.; Chaberny, I. F.; Gosse, F.; Vonberg, R. P.; Ebadi, E.	Incidence and risk factors of surgical site infection after total knee arthroplasty: Results of a retrospective cohort study	2019	irrelevant topic; surgical site infection
Balachandar, G.; Abuzakuk, T.	Is there an optimal timing of administration of single-dose intravenous tranexamic acid in bilateral total knee arthroplasty? A comparison between preoperative and intraoperative dose	2019	irrelevant topic; pre op vs intraop
Balci, H. I.; Saglam, Y.; Pehlivanoglu, T.; Sen, C.; Eralp, L.; Koçoğlu, M.	Knee Arthrodesis in Persistently Infected Total Knee Arthroplasty	2016	irrelevant topic; Knee Arthrodesis
Banger, M. S.; Johnston, W. D.; Razii, N.; Doonan, J.; Rowe, P. J.; Jones, B. G.; MacLean, A. D.; Blyth, M. J. G.	Robotic arm-assisted bi unicompartmental knee arthroplasty maintains natural knee joint anatomy compared with total knee arthroplasty: A prospective randomized controlled trial	2020	irrelevant topic; joint anatomy outcomes
Bao, M. H.; Keeney, B. J.; Moschetti, W. E.; Paddock, N. G.; Jevsevar, D. S.	Resident Participation is Not Associated With Worse Outcomes After TKA	2018	no comparison group
Barker, K. L.; Room, J.; Knight, R.; Dutton, S. J.; Toye, F.; Leal, J.; Kent, S.; Kenealy, N.; Schussel, M. M.; Collins, G.; Beard, D. J.; Price, A.; Underwood, M.; Drummond, A.; Cook, E.; Lamb, S. E.	Outpatient physiotherapy versus home-based rehabilitation for patients at risk of poor outcomes after knee arthroplasty: CORKA RCT	2020	irrelevant topic; outpatient PT vs home-based rehab

Bashaireh, K.; Aljararhah, O.; Alawneh, K.	Impact of body mass index on hemoglobin level and blood transfusion in total knee arthroplasty: A retrospective case control study	2020	irrelevant topic; transfusion vs no transfusion
Baskan, S.; Kayar, D.; Ornek, D.; Aytac, I.; Gamli, M.; Baydar, M.	Comparison of femoral nerve block and fascia iliaca compartment block for postoperative analgesia following total knee arthroplasty	2020	irrelevant topic; femoral vs fascia iliaca blocks
Basso, M.; Arnaldi, E.; Bruno, A. A. M.; Formica, M.	Outcomes of cementless fixation in medial unicompartmental knee arthroplasty: review of recent literature	2020	review
Baur, J.; Zwicky, L.; Hirschmann, M. T.; Ilchmann, T.; Clauss, M.	Metal backed fixed-bearing unicondylar knee arthroplasties using minimal invasive surgery: a promising outcome analysis of 132 cases	2015	irrelevant topic; bearing design
Beard, D. J.; Davies, L. J.; Cook, J. A.; MacLennan, G.; Price, A.; Kent, S.; Hudson, J.; Carr, A.; Leal, J.; Campbell, H.; Fitzpatrick, R.; Arden, N.; Murray, D.; Campbell, M. K.	Total versus partial knee replacement in patients with medial compartment knee osteoarthritis: the TOPKAT RCT	2020	Does not contain Conventional Instrumentation control group
Bennett, D.; Hill, J.; Beverland, D.; Kee, F.	The influence of area level social deprivation on preoperative disease severity and postoperative outcomes following unicompartmental knee joint replacement	2015	no comparison group
Berend, K. R.; Lombardi, A. V., Jr.; Jacobs, C. A.	The Combination of Preoperative Bone Marrow Lesions and Partial-Thickness Cartilage Loss Did Not Result in Inferior Outcomes After Medial Unicompartmental Knee Arthroplasty	2017	irrelevant topic; bone marrow lesions
Berger, Y.; Ftaita, S.; Thienpont, E.	Does Medial Patellofemoral Osteoarthritis Influence Outcome Scores and Risk of Revision After Fixed-bearing Unicompartmental Knee Arthroplasty?	2019	irrelevant topic; low grade vs high grade OA
Berninger, M. T.; Friederichs, J.; Leidinger, W.; Augat, P.; Buhren, V.; Fulghum, C.; Reng, W.	Effect of local infiltration analgesia, peripheral nerve blocks, general and spinal anesthesia on early functional recovery and pain control in unicompartmental knee arthroplasty	2018	irrelevant topic; LIA vs nerve block, vs epidural vs spinal anesthesia
Besiris, G. T.; Koutserimpas, C.; Karamitros, A.; Karaiskos, I.; Tsakalou, D.; Raptis, K.; Kourelis, K.; Paxinos, O.; Kotsirakis, A.; Vlasis, K.	Topical use of tranexamic acid in primary total knee arthroplasty: a comparative study	2020	irrelevant topic; same drug different administration technique
Bezerra, M. J. C.; Barbosa, I. M.; Sousa, T. G.; Fernandes, L. M.; Maia, D. L. M.; Holanda, L. M.	Profile of Patients Receiving Total Knee Arthroplasty: A Cross-Sectional Study	2017	irrelevant topic; diabetes and hypertension
Biazzo, A.; D'Ambrosi, R.; Staals, E.; Masia, F.; Izzo, V.; Verde, F.	Early results with a bicruciate-retaining total knee arthroplasty: a match-paired study	2020	irrelevant topic; cruciate vs bicruciate
Bierke, S.; Haner, M.; Karpinski, K.; Hees, T.; Petersen, W.	Midterm Effect of Mental Factors on Pain, Function, and Patient Satisfaction 5 Years After Uncomplicated Total Knee Arthroplasty	2020	irrelevant topic; pre op vs post op
Bierke, S.; Haner, M.; Petersen, W.	Influence of somatization and depressive symptoms on the course of pain within the first year after uncomplicated total knee replacement: a prospective study	2016	no comparison group
Bin Abd Razak, H. R.; Acharyya, S.; Tan, S. M.; Pang, H. N.; Tay, K. D.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Predictors of Midterm Outcomes after Medial Unicompartmental Knee Arthroplasty in Asians	2017	no comparison group
Bini, S. A.; Cafri, G.; Khatod, M.	Midterm-Adjusted Survival Comparing the Best Performing Unicompartmental and Total Knee Arthroplasties in a Registry	2017	irrelevant topic; uneven groups; 2% vs 98%
Blakeney, W. G.; Vendittoli, P. A.	Restricted Kinematic Alignment: The Ideal Compromise?	2020	case series
Blakeney, W.; Beaulieu, Y.; Puliero, B.; Kiss, M. O.; Vendittoli, P. A.	Bone resection for mechanically aligned total knee arthroplasty creates frequent gap modifications and imbalances	2020	irrelevant topic; varus vs valgus
Blaney, J.; Harty, H.; Doran, E.; O'Brien, S.; Hill, J.; Dobie, I.; Beverland, D.	Five-year clinical and radiological outcomes in 257 consecutive cementless Oxford medial unicompartmental knee arthroplasties	2017	no comparison group

Bлом, A. W.; Artz, N.; Beswick, A. D.; Burston, A.; Dieppe, P.; Elvers, K. T.; Gooberman-Hill, R.; Horwood, J.; Jepson, P.; Johnson, E.; Lenguerrand, E.; Marques, E.; Noble, S.; Pyke, M.; Sackley, C.; Sands, G.; Sayers, A.; Wells, V.; Wyld, V.	(untitled)	2016	irrelevant topic; post op TKA/THA therapy
Bohl, D. D.; Wetters, N. G.; Del Gaizo, D. J.; Jacobs, J. J.; Rosenberg, A. G.; Della Valle, C. J.	Repair of intraoperative injury to the medial collateral ligament during primary total knee arthroplasty	2016	no comparison group
Bonnefoy-Mazure, A.; L'Abbe, A.; Miozzari, H. H.; Armand, S.; Sagawa, Y.; Turcot, K.; Poncet, A.	Walking Speed and Maximal Knee Flexion During Gait After Total Knee Arthroplasty: Minimal Clinically Important Improvement Is Not Determinable; Patient Acceptable Symptom State Is Potentially Useful	2020	irrelevant topic; pre op vs post op
Boonen, B.; Schotanus, M. G. M.; Kerens, B.; van der Weegen, W.; Hoekstra, H. J.; Kort, N. P.	No difference in clinical outcome between patient-matched positioning guides and conventional instrumented total knee arthroplasty two years post-operatively	2016	duplicate
Borys, M.; Domagala, M.; Wenclaw, K.; Jarczynska-Domagala, J.; Czuczwar, M.	Continuous femoral nerve block is more effective than continuous adductor canal block for treating pain after total knee arthroplasty: A randomized, double-blind, controlled trial	2019	irrelevant topic; ACB vs FNB
Bottomley, N.; Jones, L. D.; Rout, R.; Alvand, A.; Rombach, I.; Evans, T.; Jackson, W. F.; Beard, D. J.; Price, A. J.	A survival analysis of 1084 knees of the Oxford unicompartmental knee arthroplasty: a comparison between consultant and trainee surgeons	2016	no comparison group
Bove, J. C.; Clave, A.	Navigated total knee arthroplasty: Retrospective study of 600 continuous cases	2021	irrelevant topic; not RCT
Bradley, A. T.; Cohen, J. R.; Lieberman, J. R.	Preoperative Interventions and Charges in the 2-Year Period Before Unicompartmental Knee Arthroplasty: What Happens Before Surgery	2017	irrelevant topic; UKA only
Bradley, B.; Middleton, S.; Davis, N.; Williams, M.; Stocker, M.; Hockings, M.; Isaac, D. L.	Discharge on the day of surgery following unicompartmental knee arthroplasty within the United Kingdom NHS	2017	irrelevant topic; discharge readiness
Brennan, P. T.; Villa, J. M.; Rossi, M. D.; Sanchez-Gonzalez, M. A.; Lavernia, C. J.	Rehabilitation Outcomes for Total Knee Arthroplasties: Continuous Adductor Canal Block Versus Continuous Femoral Nerve Block	2018	irrelevant topic; canal block vs nerve block
Brisbane, Orthopaedic; Sports Medicine Centre Writing Committee; McMeniman, T. J.; McMeniman, P. J.; Myers, P. T.; Hayes, D. A.; Cavdarski, A.; Wong, M. S.; Wilson, A. J.; Jones, M. A.; Watts, M. C.	Femoral nerve block vs fascia iliaca block for total knee arthroplasty postoperative pain control: a prospective, randomized controlled trial	2010	irrelevant topic; Femoral nerve block vs fascia iliaca block
Brockman, B. S.; Maupin, J. J.; Thompson, S. F.; Hollabaugh, K. M.; Thakral, R.	Complication Rates in Total Knee Arthroplasty Performed for Osteoarthritis and Post-Traumatic Arthritis: A Comparison Study	2020	irrelevant topic; traumatic arthritis vs OA
Brown, M. J. C.; Vella-Baldacchino, M.; O'Flaherty, E.; Jenkins, P. J.	Predicting patient reported outcome in total knee arthroplasty using body mass index and limb measurements	2018	no comparison group
Bruce, D. J.; Hassaballa, M.; Robinson, J. R.; Porteous, A. J.; Murray, J. R.; Newman, J. H.	Minimum 10-year outcomes of a fixed bearing all-polyethylene unicompartmental knee arthroplasty used to treat medial osteoarthritis	2020	no comparison group
Bruni, D.; Gagliardi, M.; Akkawi, I.; Raspugli, G. F.; Bignozzi, S.; Marko, T.; Bragonzoni, L.; Grassi, A.; Marcacci, M.	Good survivorship of all-polyethylene tibial component UKA at long-term follow-up	2016	irrelevant topic; UKA only
Bruni, D.; Zaffagnini, S.; Iacono, F.; Bragonzoni, L.; Lo Presti, M.; Neri, M. P.; Muccioli, G. M.; Nitri, M.; Raspugli, G.; Marcacci, M.	High rate of implant loosening for uncemented resurfacing-type medial unicompartmental knee arthroplasty	2016	no comparison group
Budhiparama, N. C.; Hidayat, H.; Novito, K.; Utomo, D. N.; Lumban-Gaol, I.; Nelissen, Rghh	Does Circumferential Patellar Denervation Result in Decreased Knee Pain and Improved Patient-reported Outcomes in Patients Undergoing Nonresurfaced, Simultaneous Bilateral TKA?	2020	editorial
Budhiparama, N. C.; Hidayat, H.; Novito, K.; Utomo, D. N.; Lumban-Gaol, I.; Nelissen, Rghh	Does Circumferential Patellar Denervation Result in Decreased Knee Pain and Improved Patient-reported Outcomes in Patients Undergoing Non-resurfaced, Simultaneous Bilateral Total Knee Arthroplasty?	2019	editorial

Buller, L. T.; Rao, V.; Chiu, Y. F.; Nam, D.; McLawhorn, A. S.	Primary Total Knee Arthroplasty Performed Using High-Viscosity Cement is Associated With Higher Odds of Revision for Aseptic Loosening	2020	irrelevant topic; cement type
Burger, J. A.; Dooley, M. S.; Kleeblad, L. J.; Zuiderbaan, H. A.; Pearle, A. D.	What is the impact of patellofemoral joint degeneration and malalignment on patient-reported outcomes after lateral unicompartmental knee arthroplasty?	2020	no comparison group
Burger, J. A.; Kleeblad, L. J.; Laas, N.; Pearle, A. D.	Mid-term survivorship and patient-reported outcomes of robotic-arm assisted partial knee arthroplasty	2020	irrelevant topic; medial vs lateral UKA
Burger, J. A.; Kleeblad, L. J.; Laas, N.; Pearle, A. D.	The Influence of Preoperative Radiographic Patellofemoral Degenerative Changes and Malalignment on Patellofemoral-Specific Outcome Scores Following Fixed-Bearing Medial Unicompartmental Knee Arthroplasty	2019	no comparison group
Burger, J. A.; Kleeblad, L. J.; Sierevelt, I. N.; Horstmann, W. G.; van Geenen, R. C. I.; van Steenbergen, L. N.; Nolte, P. A.	A Comprehensive Evaluation of Lateral Unicompartmental Knee Arthroplasty Short to Mid-Term Survivorship, and the Effect of Patient and Implant Characteristics: An Analysis of Data From the Dutch Arthroplasty Register	2020	irrelevant topic; lateral vs media UKA
Burn, E.; Weaver, J.; Morales, D.; Prats-Uribe, A.; Delmestri, A.; Strauss, V. Y.; He, Y.; Robinson, D. E.; Pinedo-Villanueva, R.; Kolovos, S.; Duarte-Salles, T.; Sproviero, W.; Yu, D.; Van Speybroeck, M.; Williams, R.; John, L. H.; Hughes, N.; Sena, A. G.; Costello, R.; Birlie, B.; Culliford, D.; O'Leary, C.; Morgan, H.; Burkard, T.; Prieto-Alhambra, D.; Ryan, P.	Opioid use, postoperative complications, and implant survival after unicompartmental versus total knee replacement: a population-based network study	2019	no comparison group
Bush, A. N.; Ziembka-Davis, M.; Deckard, E. R.; Meneghini, R. M.	An Experienced Surgeon Can Meet or Exceed Robotic Accuracy in Manual Unicompartmental Knee Arthroplasty	2019	no comparison group
Cabuk, H.; Imren, Y.; Tekin, A. C.; Dedeoglu, S. S.; Gurbuz, H.	High Varus Angle and Lower Posterior Tibial Slope Associated with PCL Injury in Cruciate Retaining Total Knee Arthroplasty: An MRI Study	2018	irrelevant topic; varus alignment
Camarasa, M. A.; Oliñ, G.; Serra-Prat, M.; Martín, A.; Sánchez, M.; Ricart, P.; Párez, A.; Opisso, L.	Efficacy of aminocaproic, tranexamic acids in the control of bleeding during total knee replacement: a randomized clinical trial	2006	irrelevant topic; tranexamic acid dose comparison
Campi, S.; Pandit, H. G.; Oosthuizen, C. R.	The Oxford Medial Unicompartmental Knee Arthroplasty: The South African Experience	2018	no comparison group
Campi, S.; Pandit, H.; Hooper, G.; Snell, D.; Jenkins, C.; Dodd, C. A. F.; Maxwell, R.; Murray, D. W.	Ten-year survival and seven-year functional results of cementless Oxford unicompartmental knee replacement: A prospective consecutive series of our first 1000 cases	2018	no comparison group
Canakci, E.; Unal, D.; Guzel, Y.	The effect of unilateral spinal anaesthesia & psoas compartment with sciatic block on the postoperative pain management in total knee arthroplastic surgery	2017	irrelevant topic; psoas compartment block and sciatic nerve block vs spinal anaesthesia
Cankaya, D.; Akti, S.; Unal, S. B.; Sezgin, E. A.	Unicompartmental knee arthroplasty results in a better gait pattern than total knee arthroplasty: Gait analysis with a smartphone application	2021	<20 patients per group
Cankaya, D.; Dasar, U.; Satilmis, A. B.; Basaran, S. H.; Akkaya, M.; Bozkurt, M.	The combined use of oral and topical tranexamic acid is a safe, efficient and low-cost method in reducing blood loss and transfusion rates in total knee arthroplasty	2017	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Cao, G.; Huang, Z.; Huang, Q.; Zhang, S.; Xu, B.; Pei, F.	Incidence and Risk Factors for Blood Transfusion in Simultaneous Bilateral Total Joint Arthroplasty: A Multicenter Retrospective Study	2018	irrelevant topic; transfusion vs no transfusion
Cao, Q.; He, Z.; Fan, Y.; Meng, J.; Yuan, T.; Zhao, J.; Bao, N.	Effects of tourniquet application on enhanced recovery after surgery (ERAS) and ischemia-reperfusion post-total knee arthroplasty: Full- versus second half-course application	2020	irrelevant topic; tourniquet vs selective tourniquet use

Carter, J.; Springer, B.; Curtin, B. M.	Early complications of revision total knee arthroplasty in morbidly obese patients	2019	irrelevant topic; ankle fractures
Chalmers, B. P.; Mehrotra, K. G.; Sierra, R. J.; Pagnano, M. W.; Taunton, M. J.; Abdel, M. P.	Reliable outcomes and survivorship of primary total knee arthroplasty for osteonecrosis of the knee	2019	irrelevant topic; osteonecrosis survivorship
Chalmers, B. P.; Mehrotra, K. G.; Sierra, R. J.; Pagnano, M. W.; Taunton, M. J.; Abdel, M. P.	Reliable outcomes and survivorship of unicompartmental knee arthroplasty for isolated compartment osteonecrosis	2018	no comparison group
Chan, C. P. K.; Lee, Q. J.; Wong, Y. C.; Wai, Y. L.	Bilateral Sequential Total Knee Replacement Versus Unilateral Total Knee Replacement in a High Volume Hospital	2018	irrelevant topic; unilateral vs bilateral
Chan, V. W. K.; Chan, P. K.; Woo, Y. C.; Fu, H.; Cheung, A.; Cheung, M. H.; Yan, C. H.; Chiu, K. Y.	Universal haemoglobin A1c screening reveals high prevalence of dysglycaemia in patients undergoing total knee arthroplasty	2020	irrelevant topic; A1c screening vs no screening
Chan, W. C.; Pinder, E.; Loeffler, M.	Patient-specific instrumentation versus conventional instrumentation in total knee arthroplasty	2016	not RCT
Chanalithichai, N.; Tammachote, N.; Jitapunkul, C.; Kanitnate, S.	Rotational component alignment in patient-specific total knee arthroplasty compared with conventional cutting instrument	2019	secondary analysis
Chang, S. H.; Lee, C. C.; Lin, C. Y.; Kuo, Y. F.; Jiang, C. C.; Chen, Y. C.	Analysis of the following Related Surgeries of Unicompartmental Knee Arthroplasty and Total Knee Arthroplasty: A Taiwanese National Health Insurance Research Database Population-Based Study	2020	irrelevant topic; bilateral completion rates
Cheah, J. W.; Sing, D. C.; Hansen, E. N.; Aleshi, P.; Vail, T. P.	Does Intrathecal Morphine in Spinal Anesthesia Have a Role in Modern Multimodal Analgesia for Primary Total Joint Arthroplasty?	2018	irrelevant topic; bupivacaine vs bupivacaine + ITM; <80% TKA
Chen, A. T.; Bronsther, C. I.; Stanley, E. E.; Paltiel, A. D.; Sullivan, J. K.; Collins, J. E.; Neogi, T.; Katz, J. N.; Losina, E.	The Value of Total Knee Replacement in Patients With Knee Osteoarthritis and a Body Mass Index of 40 kg/m ² or Greater : A Cost-Effectiveness Analysis	2021	irrelevant topic; age groups in obese patients
Chen, C.; Shi, Y. Y.; An, X.; Gong, L.; Tan, M. S.; Fang, Z. Y.	Personality Traits Affect the Cost-Effectiveness of Total Knee Arthroplasty	2021	irrelevant topic; personality traits
Chen, F.; Gao, W.; Hu, J.; Yang, X.; Chai, X.; Wang, D.	Preoperative angiotensin II type 2 receptor is a predictor for developing chronic post-surgical pain after total knee arthroplasty surgery	2021	irrelevant topic; biomarkers
Chen, J. Y.; Chin, P. L.; Moo, I. H.; Pang, H. N.; Tay, D. K.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Intravenous versus intra-articular tranexamic acid in total knee arthroplasty: A double-blinded randomised controlled noninferiority trial	2016	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Chen, J. Y.; Chin, P. L.; Tay, D. K. J.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Functional Outcome and Quality of Life after Patient-Specific Instrumentation in Total Knee Arthroplasty	2015	not RCT
Chen, J. Y.; Lee, W. C.; Chan, H. Y.; Chang, P. C. C.; Lo, N. N.; Yeo, S. J.	Drain use in total knee arthroplasty is neither associated with a greater transfusion rate nor a longer hospital stay	2016	not RCT
Chen, J. Y.; Loh, B.; Woo, Y. L.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Fixed Flexion Deformity After Unicompartmental Knee Arthroplasty: How Much Is Too Much	2016	irrelevant topic; fixed flexion deformity
Cheng, J.; Feng, M.; Cao, G.; Li, Z.; An, S.; Lu, S.	Patient outcomes in Anteromedial osteoarthritis patients over 80 years old undergoing Oxford Unicompartmental knee Arthroplasty in China	2020	irrelevant topic; groups divided by age
Cheng, K. Y.; Feng, B.; Peng, H. M.; Bian, Y. Y.; Zhang, L. J.; Han, C.; Qiu, G. X.; Weng, X.	The analgesic efficacy and safety of peri-articular injection versus intra-articular injection in one-stage bilateral total knee arthroplasty: A randomized controlled trial	2020	peri-articular vs intra-articular
Cheng, Y. C.; Wu, P. K.; Chen, C. F.; Chen, C. M.; Tsai, S. W.; Chang, M. C.; Chen, W. M.	Analysis of learning curve of minimally invasive total knee arthroplasty: A single surgeon's experience with 4017 cases over a 9-year period	2019	irrelevant topic; tourniquet use duration
Cher, E. W. L.; Tay, K. S.; Zhang, K.; Tan, S. B.; Howe, T. S.; Koh, J. S. B.	The Effect of Comorbidities and Age on Functional Outcomes After Total Knee Arthroplasty in the Octogenarian: A Matched Cohort Study	2018	irrelevant topic; age
Cherian, J. J.; Issa, K.; Robinson, K.; Bhowmik-Stoker, M.; Harwin, S. F.; Mont, M. A.	Differences in readmission rates for two total knee arthroplasty prostheses	2015	no comparison group

Cho, B. W.; Hong, H. T.; Koh, Y. G.; Choi, J.; Park, K. K.; Kang, K. T.	Analysis of Gender Differences in the Rotational Alignment of the Distal Femur in Kinematically Aligned and Mechanically Aligned Total Knee Arthroplasty	2021	irrelevant topic; gender differences
Cho, W. J.; Kim, J. M.; Kim, W. K.; Kim, D. E.; Kim, N. K.; Bin, S. I.	Mobile-bearing unicompartmental knee arthroplasty in old-aged patients demonstrates superior short-term clinical outcomes to open-wedge high tibial osteotomy in middle-aged patients with advanced isolated medial osteoarthritis	2018	<20 patients per group
Choi, J. H.; Kim, B. R.; Kim, S. R.; Nam, K. W.; Lee, S. Y.; Kim, W. B.; Kim, Y. J.	Physical performance correlates with self-reported physical function and quality of life in patients at 3 months after total knee arthroplasty	2020	no comparison group
Chowdhry, M.; Khakha, R. S.; Norris, M.; Kheiran, A.; Chauhan, S. K.	Improved Survival of Computer-Assisted Unicompartmental Knee Arthroplasty: 252 Cases With a Minimum Follow-Up of 5 Years	2017	no comparison group
Choy, W. S.; Lee, K. W.; Kim, H. Y.; Kim, K. J.; Chun, Y. S.; Yang, D. S.	Mobile bearing medial unicompartmental knee arthroplasty in patients whose lifestyles involve high degrees of knee flexion: A 10-14-year follow-up study	2017	no comparison group
Christensen, J. C.; Brothers, J.; Stoddard, G. J.; Anderson, M. B.; Pelt, C. E.; Gililand, J. M.; Peters, C. L.	Higher Frequency of Reoperation With a New Bicruciate-retaining Total Knee Arthroplasty	2017	irrelevant topic; cruciate vs bicruciate
Clave, A.; Gauthier, E.; Nagra, N. S.; Fazilleau, F.; Le Sant, A.; Dubrana, F.	Single-stage bilateral medial Oxford Unicompartmental Knee Arthroplasty: A case-control study of perioperative blood loss, complications and functional results	2018	irrelevant topic; unilateral vs bilateral
Clement, N. D.; Afzal, I.; Demetriou, C.; Deehan, D. J.; Field, R. E.; Kader, D. F.	The preoperative Oxford Knee Score is an independent predictor of achieving a postoperative ceiling score after total knee arthroplasty	2020	no comparison group
Clement, N. D.; Bardgett, M.; Weir, D.; Holland, J.; Gerrand, C.; Deehan, D. J.	Three groups of dissatisfied patients exist after total knee arthroplasty: early, persistent, and late	2018	irrelevant topic; patient satisfaction grouped by year
Clement, N. D.; Merrie, K. L.; Weir, D. J.; Holland, J. P.; Deehan, D. J.	Asynchronous Bilateral Total Knee Arthroplasty: Predictors of the Functional Outcome and Patient Satisfaction for the Second Knee Replacement	2019	irrelevant topic; first vs second TKA
Cobb, J.; Henckel, J.; Gomes, P.; Harris, S.; Jakopec, M.; Rodriguez, F.; Barrett, A.; Davies, B.	Hands-on robotic unicompartmental knee replacement: a prospective, randomised controlled study of the acrobot system	2006	<20 patients per group
Cooper, N. A.; Rakel, B. A.; Zimmerman, B.; Tonelli, S. M.; Herr, K. A.; Clark, C. R.; Noiseux, N. O.; Callaghan, J. J.; Sluka, K. A.	Predictors of multidimensional functional outcomes after total knee arthroplasty	2017	irrelevant topic; healthy controls
Coory, J. A.; Tan, K. G.; Whitehouse, S. L.; Hatton, A.; Graves, S. E.; Crawford, R. W.	The Outcome of Total Knee Arthroplasty With and Without Patellar Resurfacing up to 17 Years: A Report From the Australian Orthopaedic Association National Joint Replacement Registry	2020	irrelevant topic; minimally stabilized
Cremeans-Smith, J. K.; Greene, K.; Delahanty, D. L.	Physiological Indices of Stress Prior to and Following Total Knee Arthroplasty Predict the Occurrence of Severe Post-Operative Pain	2016	irrelevant topic; stress hormones
Cucchi, D.; Menon, A.; Aliprandi, A.; Soncini, G.; Zanini, B.; Ragone, V.; Compagnoni, R.; Ferrua, P.; Fossati, C.; Randelli, P.	Patient-specific Instrumentation Affects Rotational Alignment of the Femoral Component in Total Knee Arthroplasty: A Prospective Randomized Controlled Trial	2019	<20 patients per group
Curtis, G. L.; Chughtai, M.; Khlopas, A.; Newman, J. M.; Sultan, A. A.; Sodhi, N.; Barsoum, W. K.; Higuera, C. A.; Mont, M. A.	Perioperative Outcomes and Short-Term Complications Following Total Knee Arthroplasty in Chronically, Immunosuppressed Patients	2018	irrelevant topic; immunosuppressed
Curtis, G. L.; Newman, J. M.; George, J.; Klika, A. K.; Barsoum, W. K.; Higuera, C. A.	Perioperative Outcomes and Complications in Patients With Heart Failure Following Total Knee Arthroplasty	2018	irrelevant topic; control vs post op heart failure
Dahuja, A.; Dahuja, G.; Jaswal, V.; Sandhu, K.	A prospective study on role of tranexamic acid in reducing postoperative blood loss in total knee arthroplasty and its effect on coagulation profile	2014	irrelevant topic; patients receive both types of treatment
Dai, X.; Fang, J.; Jiang, L.; Xiong, Y.; Zhang, M.; Zhu, S.	How does the inclination of the tibial component matter? A three-dimensional finite element analysis of medial mobile-bearing unicompartmental arthroplasty	2018	no comparison group
Dai, Y. K.; Lin, W.; Yang, G. M.; Lu, J. F.; Wang, F.	Joint Awareness after Unicompartmental Knee Arthroplasty Evaluated with the Forgotten Joint Score	2020	irrelevant topic; UKA only

D'Apuzzo, M.; Westrich, G.; Hidaka, C.; Pan, T. J.; Lyman, S.	All-cause versus complication-specific readmission following total knee arthroplasty	2017	irrelevant topic; TKA vs all-cause readmissions
Davidson, I. U.; Brigati, D. P.; Faour, M.; UdoInyang, I. J.; Ibrahim, M.; Murray, T. G.	Same-Day Bilateral Total Knee Arthroplasty Candidacy Criteria Decrease Length of Stay and Facility Discharge	2018	irrelevant topic; ideal patients vs non-ideal patients
Davies, A. P.	High early revision rate with the FPV patello-femoral unicompartmental arthroplasty	2013	no comparison group
Davis, A. M.; Ibrahim, S.; Hogg-Johnson, S.; Beaton, D. E.; Chesworth, B. M.; Gandhi, R.; Mahomed, N. N.; Perruccio, A. V.; Rajgopal, V.; Wong, R.; Waddell, J. P.	Presurgery osteoarthritis severity over 10 years in 2 Ontario prospective total knee replacement cohorts: a cohort study	2018	irrelevant topic; comparing 2 cohorts
De Faoite, D.; Ries, C.; Foster, M.; Boese, C. K.	Indications for bi-cruciate retaining total knee replacement: An international survey of 346 knee surgeons	2020	no comparison group
de Jesus, C.; Stacey, D.; Dervin, G. F.	Evaluation of a Patient Decision Aid for Unicompartmental or Total Knee Arthroplasty for Medial Knee Osteoarthritis	2017	<20 patients per group
Deckard, E. R.; Jansen, K.; Ziembka-Davis, M.; Sonn, K. A.; Meneghini, R. M.	Does Patellofemoral Disease Affect Outcomes in Contemporary Medial Fixed-Bearing Unicompartmental Knee Arthroplasty?	2020	irrelevant topic; patellofemoral disease
Deese, J. M.; Gratto-Cox, G.; Carter, D. A.; Sasser, T. M., Jr.; Brown, K. L.	Patient reported and clinical outcomes of robotic-arm assisted unicondylar knee arthroplasty: Minimum two year follow-up	2018	no comparison group
DeMik, D. E.; Carender, C. N.; Shamrock, A. G.; Callaghan, J. J.; Bedard, N. A.	Opioid Use After Total Knee Arthroplasty: Does Tramadol Have Lower Risk Than Traditional Opioids?	2020	Irrelevant outcome-doesn't involve information requested for PICO
Deroche, E.; Batailler, C.; Lording, T.; Neyret, P.; Servien, E.; Lustig, S.	High Survival Rate and Very Low Wear of Lateral Unicompartmental Arthroplasty at Long Term: A Case Series of 54 Cases at a Mean Follow-Up of 17 Years	2019	no comparison group
Dhurve, K.; Scholes, C.; El-Tawil, S.; Shaikh, A.; Weng, L. K.; Levin, K.; Fritsch, B.; Parker, D.; Coolican, M.	Multifactorial analysis of dissatisfaction after primary total knee replacement	2017	irrelevant topic; satisfied vs unsatisfied
Dimitriou, D.; Tsai, T. Y.; Park, K. K.; Hosseini, A.; Kwon, Y. M.; Rubash, H. E.; Li, G.	Weight-bearing condyle motion of the knee before and after cruciate-retaining TKA: In-vivo surgical transepicondylar axis and geometric center axis analyses	2016	<20 patients per group
Dincel, Y. M.; Sari, A.; Cetin, M. U.; Gunaydin, B.; Agca, E.; Dogan, A. H.; Varol, R.	The Effect of Tranexamic Acid and Tourniquet Use on Tibial Cement Penetration in Primary Total Knee Arthroplasties	2020	irrelevant topic; tranexamic acid vs tourniquet use
Dion, C. B.; Howard, J. L.; Lanting, B. A.; McAuley, J. P.	Does Recession of the Posterior Cruciate Ligament Influence Outcome in Total Knee Arthroplasty?	2019	no comparison group
Diwakar, M.; Baumann, D.	Periarticular regional analgesia in total knee arthroplasty – Efficacy and outcome of single posterior capsular vs multiple site injections	2019	irrelevant topic; number of injections
Dorado-Velasco, F. C.; SatizÁbal-PadridÁn, N.	Efficacy of different multimodal analgesia techniques to prevent moderate to severe pain in primary total knee arthroplasty	2018	irrelevant topic; comparing combined treatments
Dorji, Y.; Singh, C. M.; Mishra, A. K.; Sud, A. D.	Efficacy of combined use of intravenous and intra-articular versus intra-articular tranexemic acid in blood loss in primary total knee arthroplasty: A randomized controlled study	2021	No control group without TXA
Dossett, H. G.; Swartz, G. J.; Estrada, N. A.; LeFevre, G. W.; Kwasman, B. G.	Kinematically versus mechanically aligned total knee arthroplasty	2012	confounding variables; KA vs MA and PT specific tech vs non
Dowsey, M. M.; Spelman, T.; Choong, P. F.	Development of a Prognostic Nomogram for Predicting the Probability of Nonresponse to Total Knee Arthroplasty 1 Year After Surgery	2016	irrelevant topic; responders vs non-responders
Dretakis, K.; Igoumenou, V. G.	Outcomes of robotic-arm-assisted medial unicompartmental knee arthroplasty: minimum 3-year follow-up	2019	no comparison group

Dubin, J. A.; Westrich, G. H.	A matched cohort study between cementless TKA and cemented TKA shows a reduction in tourniquet time and manipulation rate	2020	irrelevant topic; valgus deformities
Dunbar, N. J.; Roche, M. W.; Park, B. H.; Branch, S. H.; Conditt, M. A.; Banks, S. A.	Accuracy of dynamic tactile-guided unicompartmental knee arthroplasty	2012	no comparison group
Dyrhovden, G. S.; Fenstad, A. M.; Furnes, O.; Gothesen, O.	Survivorship and relative risk of revision in computer-navigated versus conventional total knee replacement at 8-year follow-up	2016	irrelevant topic; not RCT
Dyrhovden, G. S.; Lygre, S. H. L.; Badawy, M.; Gothesen, O.; Furnes, O.	Have the Causes of Revision for Total and Unicompartmental Knee Arthroplasties Changed During the Past Two Decades?	2017	irrelevant topic; time period of procedure
Eachempati, K. K.; Gurava Reddy, A. V.; Apsangi, S.; Sankineani, S. R.; Shaheed, J.; Dannana, C.	A comparative analysis of the role of Tranexamic acid as an independent variable in reducing intraoperative blood loss in patients undergoing conventional total knee arthroplasty versus computer-assisted total knee arthroplasty	2017	not RCT
Eccles, C. J.; Swiergosz, A. M.; Smith, A. F.; Bhimani, S. J.; Smith, L. S.; Malkani, A. L.	Decreased Opioid Consumption and Length of Stay Using an IPACK and Adductor Canal Nerve Block following Total Knee Arthroplasty	2021	irrelevant topic; nerve block vs nerve block
Edmiston, T. A.; Manista, G. C.; Courtney, P. M.; Sporer, S. M.; Della Valle, C. J.; Levine, B. R.	Clinical Outcomes and Survivorship of Lateral Unicompartmental Knee Arthroplasty: Does Surgical Approach Matter?	2018	irrelevant topic; lateral vs media UKA
Edmondson, M.; Atrey, A.; East, D.; Ellens, N.; Miles, K.; Goddard, R.; Apthorp, H.; Butler-Manuel, A.	Survival analysis and functional outcome of the Oxford unicompartmental knee replacement up to 11 years follow up at a District General Hospital	2015	irrelevant topic; UKA only
Ejaz, A.; Laursen, A. C.; Jakobsen, T.; Rasmussen, S.; Nielsen, P. T.; Laursen, M. B.	Absence of a Tourniquet Does Not Affect Fixation of Cemented TKA: A Randomized RSA Study of 70 Patients	2015	Irrelevant outcome-anatomical measurement not requested in PICO
El-Galaly, A.; Kappel, A.; Nielsen, P. T.; Jensen, S. L.	Revision Risk for Total Knee Arthroplasty Converted from Medial Unicompartmental Knee Arthroplasty: Comparison with Primary and Revision Arthroplasties, Based on Mid-Term Results from the Danish Knee Arthroplasty Registry	2019	irrelevant topic; revisions
Elmallah, R. D.; Jauregui, J. J.; Cherian, J. J.; Pierce, T. P.; Harwin, S. F.; Mont, M. A.	Effect of Age on Postoperative Outcomes Following Total Knee Arthroplasty	2016	irrelevant topic; age differences in TKA
Elsharydah, A.; Embabi, A. S.; Minhajuddin, A.; Joshi, G. P.	Racial Disparity in the Perioperative Care for Patients Undergoing Total Knee and Hip Arthroplasty: A Retrospective Propensity-Matched Cohort Study	2018	<80% TKA
Emara, A. K.; Santana, D.; Grits, D.; Klika, A. K.; Krebs, V. E.; Molloy, R. M.; Piuzzi, N. S.	Exploration of Overdose Risk Score and Postoperative Complications and Health Care Use After Total Knee Arthroplasty	2021	no comparison group
Emerson, R. H.; Alnachoukati, O.; Barrington, J.; Ennin, K.	The results of Oxford unicompartmental knee arthroplasty in the United States: a mean ten-year survival analysis	2016	no comparison group
Erdem, Y.; Neyisci, C.; Yildiz, C.	Mid-term Clinical and Radiological Results of Oxford Phase 3 Medial Unicompartmental Knee Arthroplasty	2019	no comparison group
Escudier, J. C.; Jacquet, C.; Flecher, X.; Parratte, S.; Ollivier, M.; Argenson, J. N.	Better Implant Positioning and Clinical Outcomes With a Morphometric Unicompartmental Knee Arthroplasty. Results of a Retrospective, Matched-Controlled Study	2019	irrelevant topic; implant position
Eshnazarov, K. E.; Seon, J. K.; Song, E. K.	Comparison of Radiological Assessments Patellar Resurfacing with Retention for Grade IV Osteoarthritis in Patellofemoral Joint accomplished Total Knee Arthroplasty	2016	irrelevant topic; irrelevant outcomes
Etter, K.; Lerner, J.; Kalsekar, I.; de Moor, C.; Yoo, A.; Swank, M.	Comparative Analysis of Hospital Length of Stay and Discharge Status of Two Contemporary Primary Total Knee Systems	2018	irrelevant topic; length of stay
Fan, J. C.	Intra-operative periaricular multimodal injection in total knee arthroplasty: a local hospital experience in Hong Kong	2018	OA + RA combined
Fang, M.; Hume, E.; Ibrahim, S.	Race, Bundled Payment Policy, and Discharge Destination After TKA: The Experience of an Urban Academic Hospital	2018	irrelevant topic; racial differences

Faour Martin, O.; Valverde Garcia, J. A.; Martin Ferrero, M. A.; Vega Castrillo, A.; Zuil Acosta, P.; Suarez De Puga, C. C.	The young patient and the medial unicompartmental knee replacement	2015	no comparison group
Farrow, L.; Gardner, W. T.; Tang, C. C.; Low, R.; Forget, P.; Ashcroft, G. P.	Impact of COVID-19 on opioid use in those awaiting hip and knee arthroplasty: a retrospective cohort study	2021	irrelevant topic; covid-19 and opioid use
Feczko, P. Z.; Jutten, L. M.; van Steyn, M. J.; Deckers, P.; Emans, P. J.; Arts, J. J.	Comparison of fixed and mobile-bearing total knee arthroplasty in terms of patellofemoral pain and function: a prospective, randomised, controlled trial	2017	irrelevant topic; bearing type
Feczko, P.; Engelmann, L.; Arts, J. J.; Campbell, D.	Computer-assisted total knee arthroplasty using mini midvastus or medial parapatellar approach technique: A prospective, randomized, international multicentre trial	2016	Does not contain control group
Fehring, T. K.; Fehring, K. A.; Anderson, L. A.; Otero, J. E.; Springer, B. D.	Catastrophic Varus Collapse of the Tibia in Obese Total Knee Arthroplasty	2017	no comparison group
Fein, A. W.; Figgie, C. A.; Dodds, T. R.; Wright-Chisem, J.; Parks, M. L.; Mandl, L. A.; Su, E. P.; Salmon, J. E.; Mayman, D. J.; Lee, Y. Y.; Figgie, M. P.; Goodman, S. M.	Systemic Lupus Erythematosus Does Not Increase Risk of Adverse Events in the First 6 Months After Total Knee Arthroplasty	2016	irrelevant topic; lupis vs OA
Fernandez-Fernandez, R.; Rodriguez-Merchan, E. C.	Better survival of total knee replacement in patients older than 70 years: a prospective study with 8 to 12 years follow-up	2015	irrelevant topic; age differences in TKA
Ferrer, T.; Hinarejos, P.; Goicoechea, N.; Leal-Blanquet, J.; Sanchez-Soler, J.; Torres-Claramunt, R.; Monllau, J. C.	Anxiety is the cause of the worse outcomes of allergic patients after total knee arthroplasty	2020	irrelevant topic; allergies
Figueroa, D.; Calvo, R.; Figueroa, F.; AvilÃ©s, C.; GarÃ¡n, A.; Cancino, J.	Clinical and functional outcomes of primary total knee arthroplasty: a South American perspective	2019	no comparison group
Fleeton, G.; Harmer, A. R.; Nairn, L.; Crosbie, J.; March, L.; Crawford, R.; van der Esch, M.; Fransen, M.	Self-Reported Knee Instability Before and After Total Knee Replacement Surgery	2016	no comparison group
Flury, A.; Hasler, J.; Dimitriou, D.; Antoniadis, A.; Finsterwald, M.; Helmy, N.	Midterm clinical and radiographic outcomes of 115 consecutive patient-specific unicompartmental knee arthroplasties	2019	no comparison group
Forlenza, E. M.; Lavoie-Gagne, O.; Lu, Y.; Cohn, M. R.; Chang, E.; Yanke, A. B.; Cole, B. J.; Verma, N. N.; Forsythe, B.	Preoperative Opioid Use Predicts Prolonged Postoperative Opioid Use and Inferior Patient Outcomes Following Anterior Cruciate Ligament Reconstruction	2020	ACL surgery, not KA
Fornell, S.; Prada, E.; Barrena, P.; Garcia-Mendoza, A.; Borrego, E.; Domecq, G.	Mid-term outcomes of mobile-bearing lateral unicompartmental knee arthroplasty	2018	no comparison group
Forster-Horvath, C.; Artz, N.; Hassaballa, M. A.; Robinson, J. R.; Porteous, A. J.; Murray, J. R.; Newman, J. H.	Survivorship and clinical outcome of the minimally invasive Uniglide medial fixed bearing, all-polyethylene tibia, unicompartmental knee arthroplasty at a mean follow-up of 7.3years	2016	no comparison group
Fournier, G.; Yener, C.; Gaillard, R.; Kenney, R.; Lustig, S.; Servien, E.	Increased survival rate in extension stemmed TKA in obese patients at minimum 2 years follow-up	2020	irrelevant topic; implant type
Franck, F.; Ouanezar, H.; Jacquel, A.; Pibarot, V.; Wegryn, J.	The predictive factors of secondary patellar resurfacing in computer-assisted total knee arthroplasty. A prospective cohort study	2018	<20 patients per group
Franklin, P. D.; Karbassi, J. A.; Li, W.; Yang, W.; Ayers, D. C.	Reduction in narcotic use after primary total knee arthroplasty and association with patient pain relief and satisfaction	2010	Irrelevant outcome-doesn't involve information requested for PICO
Frassanito, L.; Vergari, A.; Messina, A.; Pitoni, S.; Puglisi, C.; Chierichini, A.	Anaesthesia for total knee arthroplasty: Efficacy of single-injection or continuous lumbar plexus associated with sciatic nerve blocks - A randomized controlled study	2009	irrelevant topic; single shot vs catheter
Frassanito, L.; Vergari, A.; Zanghi, F.; Messina, A.; Bitondo, M.; Antonelli, M.	Post-operative analgesia following total knee arthroplasty: Comparison of low-dose intrathecal morphine and single-shot ultrasound-guided femoral nerve block: A randomized, single blinded, controlled study	2010	irrelevant topic; intrathecal morphine vs FNB
Freigang, V.; Rupp, M.; Pfeifer, C.; Worlicek, M.; Radke, S.; Deckelmann, S.; Alt, V.; Baumann, F.	Patient-reported outcome after patient-specific unicondylar knee arthroplasty for unicompartmental knee osteoarthritis	2020	no comparison group

French, S. R.; Munir, S.; Brighton, R.	A Single Surgeon Series Comparing the Outcomes of a Cruciate Retaining and Medially Stabilized Total Knee Arthroplasty Using Kinematic Alignment Principles	2020	irrelevant topic; medial stabilized
Fritzsche, H.; Beyer, F.; Postler, A.; Lutzner, J.	Different intraoperative kinematics, stability, and range of motion between cruciate-substituting ultracongruent and posterior-stabilized total knee arthroplasty	2018	number of participants per group not specified
Frohlich, V.; Johandl, S.; De Zwart, P.; Stockle, U.; Ochs, B. G.	Navigated TKA After Osteotomy Versus Primary Navigated TKA: A Matched-Pair Analysis	2016	not RCT
Fujita, M.; Hiranaka, T.; Kamenaga, T.; Tsubosaka, M.; Nakano, N.; Hayashi, S.; Kuroda, R.; Matsumoto, T.	Preoperative Condition of the Patellofemoral Joint Does Not Negatively Impact Surgical Outcomes of Lateral Unicompartmental Knee Arthroplasty in the Short Term	2020	irrelevant topic; alignment methods
Fujito, T.; Tomita, T.; Yamazaki, T.; Oda, K.; Yoshikawa, H.; Sugamoto, K.	Influence of Posterior Tibial Slope on Kinematics After Cruciate-Retaining Total Knee Arthroplasty	2018	irrelevant topic; tibial slope
Fullard, M.; Thibault, D.; Zisling, H.; Crispo, J. A.; Willis, A.	Parkinson Disease Associated Differences in Elective Orthopedic Surgery Outcomes: A National Readmissions Database Analysis	2020	irrelevant topic; Parkinson's disease
GÄYzel, I.; GÄYL, D.; Akpancar, S.; Lyftogt, J.	Effectiveness of perineural injections combined with standard postoperative total knee arthroplasty protocols in the management of chronic postsurgical pain after total knee arthroplasty	2021	irrelevant topic; post op TKA pain management
Gaba, S.; Wahal, N.; Gautam, D.; Pandit, H.; Kumar, V.; Malhotra, R.	Early Results of Oxford Mobile Bearing Medial Unicompartmental Knee Replacement (UKR) with the Microplasty Instrumentation: An Indian Experience	2018	no comparison group
Gademan, M. G. J.; Van Steenbergen, L. N.; Cannegieter, S. C.; Nelissen, Rghh; Marang-Van De Mheen, P. J.	Population-based 10-year cumulative revision risks after hip and knee arthroplasty for osteoarthritis to inform patients in clinical practice: a competing risk analysis from the Dutch Arthroplasty Register	2021	Irrelevant topic; Age stratification and cement use
Gaillard, R.; Cerciello, S.; Lustig, S.; Servien, E.; Neyret, P.	Risk factors for tibial implant malpositioning in total knee arthroplasty-consecutive series of one thousand, four hundred and seventeen cases	2017	irrelevant topic; varus vs valgus
Gao, G.; Li, Z.; Wang, Y.; Yang, G.; Huang, J.; An, S.; Qiao, J.; Cao, G.	Effect of vertical cut on coronal coverage and rotation of tibial component in Oxford unicompartmental knee arthroplasty	2020	irrelevant topic; surgical cut method
Garceau, S. P.; Harris, N. H.; Felberbaum, D. L.; Teo, G. M.; Weinblatt, A. I.; Long, W. J.	Reduced Aseptic Loosening With Fully Cemented Short-Stemmed Tibial Components in Primary Cemented Total Knee Arthroplasty	2020	no comparison group
Garg, P.; Verma, N.; Jain, A.; Thomas, S.; Agarwal, S.	Intermittent adductor canal block for post-operative pain management and faster rehabilitation following unilateral total knee replacement	2021	no comparison group
Gaudin, G.; Butcher, C.; Lustig, S.; Darwish, N.; Neyret, P.	Screw and cement augmentation of tibial defects in primary total knee arthroplasty: Satisfactory midterm outcomes	2018	<20 patients per group; no comparison group
Gauthier-Kwan, O. Y.; Dobrinsky, J. S.; Dervin, G. F.	Quality of Recovery, Postdischarge Hospital Utilization, and 2-Year Functional Outcomes After an Outpatient Total Knee Arthroplasty Program	2018	irrelevant topic; both groups received home health and physiotherapy
Gejo, R.; Mine, H.; Nogami, M.; Kawaguchi, Y.	Is it possible to predict the final component gap in flexion before femoral posterior condylar osteotomy in cruciate-retaining and posterior-stabilized total knee arthroplasty?	2021	irrelevant topic; gap balancing
Geng, X.; Wang, X.; Zhou, G.; Li, F.; Li, Y.; Zhao, M.; Chu, H.; Li, J.; Si, T.; Liu, Z.; Tian, H.	A Randomized Controlled Trial of Psychological Intervention to Improve Satisfaction for Patients with Depression Undergoing TKA: A 2-Year Follow-up	2021	irrelevant topic; psychosocial intervention vs TKA
Georgaklis, V. A.; Karachalias, T.; Makridis, K. G.; Badras, S. L.; Palaiochorlidis, I. S.; Malizos, K. N.; Badras, L. S.	Genesis 1 posterior cruciate-retaining total knee arthroplasty with asymmetric tibial tray: An 18-to-26-year long-term clinical outcome study	2019	no comparison group
Gharaibeh, M. A.; Solayar, G. N.; Harris, I. A.; Chen, D. B.; MacDessi, S. J.	Accelerometer-Based, Portable Navigation (KneeAlign) vs Conventional Instrumentation for Total Knee Arthroplasty: A Prospective Randomized Comparative Trial	2017	irrelevant topic; joint angles
Gill, J. R.; Nicolai, P.	Clinical results and 12-year survivorship of the Physica ZUK unicompartmental knee replacement	2019	no comparison group

Goh, G. S.; Liow, M. H. L.; Tay, D. K.; Lo, N. N.; Yeo, S. J.; Tan, M. H.	Accelerometer-Based and Computer-Assisted Navigation in Total Knee Arthroplasty: A Reduction in Mechanical Axis Outliers Does Not Lead to Improvement in Functional Outcomes or Quality of Life When Compared to Conventional Total Knee Arthroplasty	2018	not RCT
Goh, G. S.; Liow, M. H. L.; Tay, Y. W. A.; Chen, J. Y.; Xu, S.; Pang, H. N.; Tay, D. K. J.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	The long-term impact of preoperative psychological distress on functional outcomes, quality of life, and patient satisfaction after total knee arthroplasty: A ten-year follow-up study	2020	irrelevant topic; MCS
Goh, G. S.; Zeng, G. J.; Chen, J. Y.; Lo, N. N.; Yeo, S. J.; Liow, M. H. L.	Ten-Year Results of Unicompartmental Knee Arthroplasty in Patients With Psychological Distress	2020	irrelevant topic; UKA only
Golparvar, M.; Pooladchang, M.	The effect of adductor canal block on hemodynamic variables and pain after total knee arthroplasty under spinal anesthesia in comparison with control group	2017	not in English
Gomez-Barrena, E.; Ortega-Andreu, M.; Padilla-Eguiluz, N. G.; PÃ©rez-Chzanowska, H.; Figueiredo-Zalve, R.	Topical intra-articular compared with intravenous tranexamic acid to reduce blood loss in primary total knee replacement: a double-blind, randomized, controlled, noninferiority clinical trial	2014	irrelevant topic; topical vs IV
Gordon, A. C.; Conditt, M. A.; Verstraete, M. A.	Achieving a Balanced Knee in Robotic TKA	2021	No control group
Goudarz Mehdikhani, K.; Morales Moreno, B.; Reid, J. J.; de Paz Nieves, A.; Lee, Y. Y.; Gonzalez Della Valle, A.	An Algorithmic, Pie-Crusting Medial Soft Tissue Release Reduces the Need for Constrained Inserts Patients With Severe Varus Deformity Undergoing Total Knee Arthroplasty	2016	irrelevant topic; pie-crusting technique
Goudie, E. B.; Robinson, C.; Walmsley, P.; Brenkel, I.	Changing trends in total knee replacement	2017	irrelevant topic; groups divided by year of surgery
Gould, D.; Dowsey, M.; Jo, I.; Choong, P.	Patient-related risk factors for unplanned 30-day readmission following total knee arthroplasty: a narrative literature review	2020	review
Goyal, N.; McKenzie, J.; Sharkey, P. F.; Parvizi, J.; Hozack, W. J.; Austin, M. S.	Intra-articular infusion with bupivacaine decreased pain and opioid consumption after total knee arthroplasty	2013	comment
Grant, A. L.; Doma, K. D.; Hazratwala, K.	Determination of the Accuracy of Navigated Kinematic Unicompartmental Knee Arthroplasty: A 2-Year Follow-Up	2017	no comparison group
Gray, A.; Ramos, S.; Howard, K.; Bryson, B.; Ellis, H. B.	The Pain Disability Questionnaire (PDQ): Evaluating the efficacy of the psychosocial and functional subscales for 12-month post-treatment outcomes after total knee arthroplasty	2017	irrelevant topic; psychosocial and functional subscales
Greco, N. J.; Cook, G. J. E.; Lombardi, A. V., Jr.; Adams, J. B.; Berend, K. R.	Lateral Unicompartmental Knee Arthroplasty Utilizing a Modified Surgical Technique and Specifically Adapted Fixed-Bearing Implant	2019	no comparison group
Greco, N. J.; Lombardi, A. V., Jr.; Price, A. J.; Berend, M. E.; Berend, K. R.	Medial Mobile-Bearing Unicompartmental Knee Arthroplasty in Young Patients Aged Less Than or Equal to 50 Years	2018	no comparison group
Grieco, T. F.; Sharma, A.; Komistek, R. D.; Cates, H. E.	Single Versus Multiple-Radii Cruciate-Retaining Total Knee Arthroplasty: An In Vivo Mobile Fluoroscopy Study	2016	irrelevant topic; Single radius versus multiple radius prosthesis
Gunst, S.; Villa, V.; Magnussen, R.; Servien, E.; Lustig, S.; Neyret, P.	Equivalent results of medial and lateral parapatellar approach for total knee arthroplasty in mild valgus deformities	2016	irrelevant topic; lateral vs medial UKA
Hadlandsmyth, K.; Zimmerman, M. B.; Wajid, R.; Sluka, K. A.; Herr, K.; Clark, C. R.; Noiseux, N. O.; Callaghan, J. J.; Rakel, B. A.	Longitudinal Postoperative Course of Pain and Dysfunction Following Total Knee Arthroplasty	2018	no comparison group
Hamilton, T. W.; Choudhary, R.; Jenkins, C.; Mellon, S. J.; Dodd, C. A. F.; Murray, D. W.; Pandit, H. G.	Lateral osteophytes do not represent a contraindication to medial unicompartmental knee arthroplasty: a 15-year follow-up	2017	irrelevant topic; osteophytes
Hamilton, T. W.; Pandit, H. G.; Inabathula, A.; Ostlere, S. J.; Jenkins, C.; Mellon, S. J.; Dodd, C. A.; Murray, D. W.	Unsatisfactory outcomes following unicompartmental knee arthroplasty in patients with partial thickness cartilage loss: a medium-term follow-up	2017	no comparison group
Hamilton, T. W.; Pandit, H. G.; Jenkins, C.; Mellon, S. J.; Dodd, C. A. F.; Murray, D. W.	Evidence-Based Indications for Mobile-Bearing Unicompartmental Knee Arthroplasty in a Consecutive Cohort of Thousand Knees	2017	no comparison group

Hamilton, T. W.; Pandit, H. G.; Lombardi, A. V.; Adams, J. B.; Oosthuizen, C. R.; Clave, A.; Dodd, C. A.; Berend, K. R.; Murray, D. W.	Radiological Decision Aid to determine suitability for medial unicompartmental knee arthroplasty: development and preliminary validation	2016	irrelevant topic; suitability for UKA
Hamilton, T. W.; Pandit, H. G.; Maurer, D. G.; Ostlere, S. J.; Jenkins, C.; Mellon, S. J.; Dodd, C. A. F.; Murray, D. W.	Anterior knee pain and evidence of osteoarthritis of the patellofemoral joint should not be considered contraindications to mobile-bearing unicompartmental knee arthroplasty: a 15-year follow-up	2017	no comparison group
Hamilton, T. W.; Pistrutto, C.; Jenkins, C.; Mellon, S. J.; Dodd, C. A.; Pandit, H. G.; Murray, D. W.	Unicompartmental knee replacement: Does the macroscopic status of the anterior cruciate ligament affect outcome?	2016	irrelevant topic; ACL status
Hamilton, W. G.; Reeves, J. D.; Fricka, K. B.; Goyal, N.; Engh, G. A.; Parks, N. L.	Mechanical thromboembolic prophylaxis with risk stratification in total knee arthroplasty	2015	no comparison group
Han, H. S.; Lee, M. C.	Cementing technique affects the rate of femoral component loosening after high flexion total knee arthroplasty	2017	irrelevant topic; cement technique
Han, Y. H.; Huang, H. T.; Pan, J. K.; Zeng, L. F.; Liang, G. H.; Liang, H. D.; Yang, W. Y.; Guo, D.; Liu, J.	Is the combined application of both drain-clamping and tranexamic acid superior to the single use of either application in patients with total-knee arthroplasty?: A meta-analysis of randomized controlled trials	2018	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Hanada, M.; Furuhashi, H.; Matsuyama, Y.	Investigation of the control of rotational alignment in the tibial component during total knee arthroplasty	2019	not RCT
Hansen, E. N.; Ong, K. L.; Lau, E.; Kurtz, S. M.; Lonner, J. H.	Unicondylar Knee Arthroplasty Has Fewer Complications but Higher Revision Rates Than Total Knee Arthroplasty in a Study of Large United States Databases	2019	irrelevant topic; TKA UKA conversion
Hansen, E. N.; Ong, K. L.; Lau, E.; Kurtz, S. M.; Lonner, J. H.	Unicondylar Knee Arthroplasty in the U.S. Patient Population: Prevalence and Epidemiology	2018	no comparison group
Harato, K.; Kobayashi, S.; Nagashima, M.; Hasegawa, T.; Tanikawa, H.; Maeno, S.; Nomoto, S.	Factors Affecting Longer Surgical Times in Total Knee Arthroplasty for Obese Patients-A Comparative Study between High- and Nonhigh-Volume Surgeons	2018	irrelevant topic; intraop outcomes
Harato, K.; Tanikawa, H.; Morishige, Y.; Kaneda, K.; Niki, Y.	What are the important surgical factors affecting the wound healing after primary total knee arthroplasty?	2016	no comparison group
Harbourne, A. D.; Sanchez-Santos, M. T.; Arden, N. K.; Filbay, S. R.	Predictors of return to desired activity 12 months following unicompartmental and total knee arthroplasty	2019	irrelevant topic; predicting factors
Harnik, A.; Boughanem, J.; Hart, P.; Margolin, O.; Collins, L.; Hilton, R.	The Evaluation of Single-Sided Total Knee Arthroplasty Versus Simultaneous Bilateral Total Knee Arthroplasty Improvements and Postoperative Progression Based on Patient-Based Outcome Scoring: A Rural Retrospective Clinical Orthopaedic Study	2019	<20 patients per group
Harper, R. A.; Sucher, M. G.; Giordani, M.; Nedopil, A. J.	Topically applied epsilon-aminocaproic acid reduces blood loss and length of hospital stay after total knee arthroplasty	2017	irrelevant topic; Epsilon-aminocaproic acid
Hartrick, C.; Van Hove, I.; Stegmann, J. U.; Oh, C.; Upmalis, D.	Efficacy and tolerability of tapentadol immediate release and oxycodone HCl immediate release in patients awaiting primary joint replacement surgery for end-stage joint disease: a 10-day, phase III, randomized, double-blind, active- and placebo-controlled study	2009	irrelevant topic; patients undergoing TKA
Harwin, S. F.; Elmallah, R. K.; Jauregui, J. J.; Cherian, J. J.; Mont, M. A.	Outcomes of a Newer-Generation Cementless Total Knee Arthroplasty Design	2015	no comparison group
Hasan, S.; van Hamersveld, K. T.; Marang-van de Mheen, P. J.; Kaptein, B. L.; Nelissen, Rghh; Toksvig-Larsen, S.	Migration of a novel 3D-printed cementless versus a cemented total knee arthroplasty: two-year results of a randomized controlled trial using radiostereometric analysis	2020	irrelevant topic; cement vs 3D-printed cement
Hasanain, M. S.; Apostu, D.; Alrefae, A.; Tarabichi, S.	Comparing the Effect of Tourniquet vs Tourniquet-Less in Simultaneous Bilateral Total Knee Arthroplasties	2018	irrelevant topic; tourniquet vs selective tourniquet use
Hasegawa, M.; Miyazaki, S.; Yamaguchi, T.; Wakabayashi, H.; Sudo, A.	Comparison of Midterm Outcomes of Minimally Invasive Computer-Assisted vs Minimally Invasive Jig-Based Total Knee Arthroplasty	2017	not RCT
Hasegawa, M.; Tone, S.; Naito, Y.; Wakabayashi, H.; Sudo, A.	Prevalence of Persistent Pain after Total Knee Arthroplasty and the Impact of Neuropathic Pain	2019	irrelevant topic; neuropathic pain
Hatayama, K.; Terauchi, M.; Hashimoto, S.; Saito, K.; Higuchi, H.	Factors Associated With Posterior Cruciate Ligament Tightness During Cruciate-Retaining Total Knee Arthroplasty	2018	RA, and traumatic arthritis

Hatayama, K.; Terauchi, M.; Saito, K.; Higuchi, H.	Does Residual Varus Alignment Cause Increasing Varus Laxity at a Minimum of Five Years After Total Knee Arthroplasty?	2017	irrelevant topic; varus alignment
Hauer, G.; Sadoghi, P.; Bernhardt, G. A.; Wolf, M.; Ruckenstuhl, P.; Fink, A.; Leithner, A.; Gruber, G.	Greater activity, better range of motion and higher quality of life following unicompartmental knee arthroplasty: a comparative case-control study	2019	repeat
Hawi, N.; Plutat, J.; Kendoff, D.; Suero, E. M.; Cross, M. B.; Gehrke, T.; Citak, M.	Midterm results after unicompartmental knee replacement with all-polyethylene tibial component: a single surgeon experience	2016	no comparison group
He, Y.; Xiao, L.; Zhai, W.; Kasparek, M. F.; Ouyang, G.; Boettner, F.	What Percentage of Patients is a Candidate for Unicompartmental Knee Replacement at a Chinese Arthroplasty Center?	2018	irrelevant topic; candidate population
Heesterbeek, P. J. C.; Haffner, N.; Wymenga, A. B.; Stifter, J.; Ritschl, P.	Patient-related factors influence stiffness of the soft tissue complex during intraoperative gap balancing in cruciate-retaining total knee arthroplasty	2017	no comparison group
Hefny, M. H.; Smith, N. A.; Waite, J.	Cementless medial Oxford unicompartmental knee replacement. Five-year results from an independent series	2020	no comparison group
Heligman, J. L.	The Effect of a Discharge Disposition Algorithm on Patient Outcomes and Satisfaction	2021	Irrelevant topic; Review article
Henzell, I. S.; Zhou, L.; Frampton, C.; Hooper, G.; Ackerman, I.; Young, S. W.	Lifetime risk of primary total knee replacement surgery in New Zealand from 2000 to 2015	2019	irrelevant topic; irrelevant comparison
Hernandez, N. M.; Ryan, S. P.; Wu, C. J.; Hinton, Z. W.; Wellman, S. S.; Bolognesi, M. P.; Seyler, T. M.	Same-day Bilateral Total Knee Arthroplasty Did Not Increase 90-day Hospital Returns	2020	10% vs 90% groups
Hernigou, P.; Bouthors, C.; Bastard, C.; Flouzat Lachaniette, C. H.; Rouard, H.; Dubory, A.	Subchondral bone or intra-articular injection of bone marrow concentrate mesenchymal stem cells in bilateral knee osteoarthritis: what better postpone knee arthroplasty at fifteen years? A randomized study	2020	irrelevant topic; Subchondral bone vs intra-articular injection
Herry, Y.; Batailler, C.; Lording, T.; Servien, E.; Neyret, P.; Lustig, S.	Improved joint-line restitution in unicompartmental knee arthroplasty using a robotic-assisted surgical technique	2017	irrelevant topic; medial vs lateral
Heyse, T. J.; Haas, S. B.; Drinkwater, D.; Lyman, S.; Kim, H. J.; Kahn, B. A.; Figgie, M. P.	Intraarticular fibrinogen does not reduce blood loss in TKA: a randomized clinical trial	2014	irrelevant treatment; topical human fibrinogen
Hill, D. S.; Kinsella, D.; Toms, A. D.	Three-phase Technetium-99m bone scanning in patients with pain in the knee region after cemented total knee arthroplasty	2019	no comparison group
Hilton, M. E.; Gioe, T.; Noorbaloochi, S.; Singh, J. A.	Increasing comorbidity is associated with worsening physical function and pain after primary total knee arthroplasty	2016	no comparison group
Hiranaka, T.; Yoshikawa, R.; Yoshida, K.; Michishita, K.; Nishimura, T.; Nitta, S.; Takashiba, K.; Murray, D.	Tibial shape and size predicts the risk of tibial plateau fracture after cementless unicompartmental knee arthroplasty in Japanese patients: A multicentre study	2020	irrelevant topic; fractures
Ho, J. C.; Stitzlein, R. N.; Green, C. J.; Stoner, T.; Froimson, M. I.	Return to Sports Activity following UKA and TKA	2016	irrelevant topic; outcomes only pertain to return to sport
Holz, J.; Spalding, T.; Boutefnouchet, T.; Emans, P.; Eriksson, K.; Brittberg, M.; Konradsen, L.; Kosters, C.; Verdonk, P.; Hogstrom, M.; Lind, M.	Patient-specific metal implants for focal chondral and osteochondral lesions in the knee; excellent clinical results at 2 years	2020	not RCT
Hommel, H.; Abdel, M. P.; Perka, C.	Kinematic femoral alignment with gap balancing and patient-specific instrumentation in total knee arthroplasty: a randomized clinical trial	2017	irrelevant topic; gap balancing
Hoogendoorn, T. J.; van Meeteren, N. L.; Schank, K.; Kim, R. H.; Miner, T.; Stevens-Lapsley, J. E.	Risk factors for delayed inpatient functional recovery after total knee arthroplasty	2015	no comparison group
Hooper, N.; Snell, D.; Hooper, G.; Maxwell, R.; Frampton, C.	The five-year radiological results of the uncemented Oxford medial compartment knee arthroplasty	2015	irrelevant topic; uncemented TKA
Horikawa, A.; Miyakoshi, N.; Shimada, Y.; Kodama, H.	Comparison of clinical outcomes between total knee arthroplasty and unicompartmental knee arthroplasty for osteoarthritis of the knee: a retrospective analysis of preoperative and postoperative results	2015	uneven groups; 50 vs 28

Hourlier, H.; Reina, N.; Fennema, P.	Single dose intravenous tranexamic acid as effective as continuous infusion in primary total knee arthroplasty: a randomised clinical trial	2015	irrelevant topic; dosage comparison
Howard, J. L.; Morcos, M. W.; Lanting, B. A.; Somerville, L. E.; McAuley, J. P.	Reproducing the Native Posterior Tibial Slope in Cruciate-Retaining Total Knee Arthroplasty: Technique and Clinical Implications	2020	irrelevant topic; pre op vs post op; group 1 and 2 unclear
Howell, S. M.; Papadopoulos, S.; Kuznik, K. T.; Hull, M. L.	Accurate alignment and high function after kinematically aligned TKA performed with generic instruments	2013	no comparison group
Hu, Y.; Li, Q.; Wei, B. G.; Zhang, X. S.; Torsha, T. T.; Xiao, J.; Shi, Z. J.	Blood loss of total knee arthroplasty in osteoarthritis: an analysis of influential factors	2018	not RCT
Huang, S.; Li, X.; Tang, Y.; Stephan, S.; Yan, B.; He, P.; Xu, D.	Different patient satisfaction levels between the first and second knee in the early stage after simultaneous bilateral total knee arthroplasty (TKA): a comparison between subjective and objective outcome assessments	2017	no comparison group
Huang, T. W.; Chuang, P. Y.; Lee, C. Y.; Lin, S. J.; Huang, K. C.; Shen, S. H.; Tsai, Y. H.; Lee, M. S.; Hsu, R. W.	Total knee arthroplasty in patients with Ranawat type-II valgus arthritic knee with a marked coronal femoral bowing deformity: comparison between computer-assisted surgery and intra-articular resection	2016	irrelevant topic; valgus knee
Huang, Z.; Ma, J.; Shen, B.; Pei, F.	Combination of intravenous and topical application of tranexamic acid in primary total knee arthroplasty: A prospective randomized controlled trial	2014	irrelevant topic; IV vs combined
Hunt, L. P.; Matharu, G. S.; Blom, A. W.; Howard, P. W.; Wilkinson, J. M.; Whitehouse, M. R.	Patellar resurfacing during primary total knee replacement is associated with a lower risk of revision surgery	2021	irrelevant topic; revision probability
Hurst, J. M.; Ranieri, R.; Berend, K. R.; Morris, M. J.; Adams, J. B.; Lombardi, A. V., Jr.	Outcomes After Arthroscopic Evaluation of Patients With Painful Medial Unicompartmental Knee Arthroplasty	2018	irrelevant topic; post op UKA arthroscopy
Hussain, S. M.; Wang, Y.; Giles, G. G.; Graves, S.; Wluka, A. E.; Cicuttini, F. M.	Female Reproductive and Hormonal Factors and Incidence of Primary Total Knee Arthroplasty Due to Osteoarthritis	2018	irrelevant topic; female reproductive hormones and TKA incidence
Husted, H.; Troelsen, A.; Otte, K. S.; Kristensen, B. B.; Holm, G.; Kehlet, H.	Fast-track surgery for bilateral total knee replacement	2011	irrelevant topic; unilateral vs bilateral
Hutt, J. R.; Farhadnia, P.; Masse, V.; LaVigne, M.; Vendittoli, P. A.	A randomised trial of all-polyethylene and metal-backed tibial components in unicompartmental arthroplasty of the knee	2015	irrelevant topic; implant type
Iacono, F.; Raspagli, G. F.; Akkawi, I.; Bruni, D.; Filardo, G.; Budeyri, A.; Bragonzoni, L.; Presti, M. L.; Bonanzinga, T.; Marcacci, M.	Unicompartmental knee arthroplasty in patients over 75 years: a definitive solution?	2016	no comparison group
Ilfeld, B. M.; Meyer, R. S.; Le, L. T.; Mariano, E. R.; Williams, B. A.; Vandenborne, K.; Duncan, P. W.; Sessler, D. I.; Enneking, F. K.; Shuster, J. J.; Maldonado, R. C.; Gearn, P. F.	Health-related quality of life after tricompartment knee arthroplasty with and without an extended-duration continuous femoral nerve block: a prospective, 1-year follow-up of a randomized, triple-masked, placebo-controlled study	2009	<20 patients per group after first week follow-up
Ilfeld, B. M.; Shuster, J. J.; Theriaque, D. W.; Mariano, E. R.; Girard, P. J.; Loland, V. J.; Meyer, S.; Donovan, J. F.; Pugh, G. A.; Le, L. T.; Sessler, D. I.; Ball, S. T.	Long-term pain, stiffness, and functional disability after total knee arthroplasty with and without an extended ambulatory continuous femoral nerve block: a prospective, 1-year follow-up of a multicenter, randomized, triple-masked, placebo-controlled trial	2011	irrelevant topic; extended vs overnight FNB
Indelli, P. F.; Pipino, G.; Johnson, P.; Graceffa, A.; Marcucci, M.	Posterior-stabilized total knee arthroplasty: a matched pair analysis of a classic and its evolutional design	2016	irrelevant topic; implant design
Indelli, P. F.; Risitano, S.; Hall, K. E.; Leonardi, E.; Migliore, E.	Effect of polyethylene conformity on total knee arthroplasty early clinical outcomes	2019	irrelevant topic; implant type
Inneh, I. A.	The Combined Influence of Sociodemographic, Preoperative Comorbid and Intraoperative Factors on Longer Length of Stay After Elective Primary Total Knee Arthroplasty	2015	no comparison group
Inoue, A.; Arai, Y.; Nakagawa, S.; Inoue, H.; Yoshihara, Y.; Yamazoe, S.; Kubo, T.	Differences in patellofemoral alignment as a result of patellar shape in cruciate-retaining total knee arthroplasty without patellar resurfacing at a minimum three-year follow-up	2017	irrelevant topic; patellar facet angle

Inui, H.; Taketomi, S.; Yamagami, R.; Kawaguchi, K.; Nakazato, K.; Tanaka, S.	Necessary Factors to Achieve Deep Flexion for Asian Populations after Oxford Unicompartmental Knee Arthroplasty	2020	irrelevant topic; flexion angle
Inui, H.; Taketomi, S.; Yamagami, R.; Kawaguchi, K.; Nakazato, K.; Tanaka, S.	The relationship between anteroposterior stability and medial-lateral stability of the bi-cruciate stabilized total knee arthroplasty	2018	no comparison group
Inui, H.; Taketomi, S.; Yamagami, R.; Kono, K.; Kawaguchi, K.; Nakazato, K.; Takagi, K.; Kage, T.; Tanaka, S.	Appropriate Timing for Evaluation of the Short-Term Effectiveness of Unicompartmental Knee Arthroplasty	2019	no comparison group
Inui, H.; Taketomi, S.; Yamagami, R.; Kono, K.; Kawaguchi, K.; Takagi, K.; Kage, T.; Tanaka, S.	Comparison of intraoperative kinematics and their influence on the clinical outcomes between posterior stabilized total knee arthroplasty and bi-cruciate stabilized total knee arthroplasty	2020	irrelevant topic; joint angle
Inui, H.; Taketomi, S.; Yamagami, R.; Kono, K.; Kawaguchi, K.; Takagi, K.; Kage, T.; Tanaka, S.	Femorotibial rotational mismatch of the Oxford unicompartmental knee in the flexion position is a risk for poor outcomes	2020	no comparison group
Inui, H.; Taketomi, S.; Yamagami, R.; Sanada, T.; Tanaka, S.	Twice cutting method reduces tibial cutting error in unicompartmental knee arthroplasty	2016	irrelevant topic; cutting methods
Inui, H.; Yamagami, R.; Kono, K.; Kawaguchi, K.; Taketomi, S.; Tanaka, S.	Prosthetic Alignment and Clinical Outcomes of Navigation-Assisted Unicompartmental Knee Arthroplasty by an Experienced Surgeon Compared With Inexperienced Surgeons	2021	Irrelevant topic; Retrospective Study
Irisson, E.; Hemon, Y.; Pauly, V.; Parratte, S.; Argenson, J. N.; Kerbaul, F.	Tranexamic acid reduces blood loss and financial cost in primary total hip and knee replacement surgery	2012	<80% TKA
Iriuchishima, T.; Ryu, K.	Bicruciate Substituting Total Knee Arthroplasty Improves Stair Climbing Ability When Compared with Cruciate-Retain or Posterior Stabilizing Total Knee Arthroplasty	2019	irrelevant topic; cruciate vs bicruciate
Irmola, T.; Pölkilainen, V.; Mäkelä, K. T.; Robertsson, O.; W-Dahl, A.; Furnes, O.; Fenstad, A. M.; Pedersen, A. B.; Schräder, H. M.; Eskelinen, A.; Niemeläinen, M. J.	Association between fixation type and revision risk in total knee arthroplasty patients aged 65 years and older: a cohort study of 265,877 patients from the Nordic Arthroplasty Register Association 2000–2016	2020	repeat
Ishibashi, K.; Sasaki, E.; Otsuka, H.; Kazushige, K.; Yamamoto, Y.; Ishibashi, Y.	Valgus Correctability and Meniscal Extrusion Were Associated With Alignment After Unicompartmental Knee Arthroplasty	2020	irrelevant topic; pre op vs post op
Ishida, K.; Shibamura, N.; Takayama, K.; Kurosaka, M.; Kuroda, R.; Matsumoto, T.	Posterior Reference Position Affects Intraoperative Kinematic and Soft Tissue Balance in Navigated Posterior-Stabilized Total Knee Arthroplasty	2018	irrelevant topic; center reference vs medial reference
Ito, H.; Ichihara, K.; Tamari, K.; Amano, T.; Tanaka, S.; Uchida, S.	Factors characterizing gait performance of patients before and soon after knee arthroplasty	2021	irrelevant topic; gait performance
Ito, H.; Ichihara, K.; Tamari, K.; Amano, T.; Tanaka, S.; Uchida, S.; Morikawa, S.	Determination of reference intervals for knee motor functions specific to patients undergoing knee arthroplasty	2021	healthy controls
Jacobs, C. A.; Berend, K. R.; Lombardi, A. V., Jr.; Christensen, C. P.	The Location and Severity of Preoperative Subchondral Bone Marrow Lesions Were Not Associated With Inferior Postoperative Outcomes After Medial Unicompartmental Knee Arthroplasty or Total Knee Arthroplasty	2016	irrelevant topic; bone marrow lesions
Jacobs, C. A.; Christensen, C. P.; Karthikeyan, T.	Subchondral Bone Marrow Edema Had Greater Effect on Postoperative Pain After Medial Unicompartmental Knee Arthroplasty Than Total Knee Arthroplasty	2016	irrelevant topic; bone marrow edema
Jacobs, C. A.; Christensen, C. P.; Karthikeyan, T.	Chronic Non-Orthopedic Conditions More Common in Patients with Less Severe Degenerative Changes That Have Elected to Undergo Total Knee Arthroplasty	2015	no comparison group
Jacobs, W. C.; Christen, B.; Wymenga, A. B.; Schuster, A.; van der Schaaf, D. B.; ten Ham, A.; Wehrli, U.	Functional performance of mobile versus fixed bearing total knee prostheses: a randomised controlled trial	2012	irrelevant topic; bearing type
Jacquet, C.; Ros, F.; Guy, S.; Parratte, S.; Ollivier, M.; Argenson, J. N.	Trabecular Metal Cones Combined With Short Cemented Stem Allow Favorable Outcomes in Aseptic Revision Total Knee Arthroplasty	2020	irrelevant topic; stem types
Jahnke, A.; Mende, J. K.; Maier, G. S.; Ahmed, G. A.; Ishaque, B. A.; Schmitt, H.; Rickert, M.; Clarius, M.; Seeger, J. B.	Sports activities before and after medial unicompartmental knee arthroplasty using the new Heidelberg Sports Activity Score	2015	irrelevant topic; sports after UKA

Jain, N. P.; Nisthane, P. P.; Shah, N. A.	Combined Administration of Systemic and Topical Tranexamic Acid for Total Knee Arthroplasty: Can It Be a Better Regimen and Yet Safe? A Randomized Controlled Trial	2016	irrelevant topic; IV vs combined
Jain, S.; Wasnik, S.; Mittal, A.; Sohoni, S.; Kasture, S.	Simultaneous bilateral total knee replacement: a prospective study of 150 patients	2013	no comparison group
Jameson, S. S.; Asaad, A.; Diamant, M.; Kasim, A.; Bigirumurame, T.; Baker, P.; Mason, J.; Partington, P.; Reed, M.	Antibiotic-loaded bone cement is associated with a lower risk of revision following primary cemented total knee arthroplasty: an analysis of 731,214 cases using National Joint Registry data	2019	irrelevant topic; cement type
Jang, S. W.; Kim, M. S.; Koh, I. J.; Sohn, S.; Kim, C.; In, Y.	Comparison of Anterior-Stabilized and Posterior-Stabilized Total Knee Arthroplasty in the Same Patients: A Prospective Randomized Study	2019	irrelevant topic; implant type
Jansen, M. P.; Besselink, N. J.; van Heerwaarden, R. J.; Custers, R. J. H.; Emans, P. J.; Spruijt, S.; Mastbergen, S. C.; Lafeber, Fpjg	Knee Joint Distraction Compared with High Tibial Osteotomy and Total Knee Arthroplasty: Two-Year Clinical, Radiographic, and Biochemical Marker Outcomes of Two Randomized Controlled Trials	2019	irrelevant topic; knee joint distraction
Jawhar, A.; Hutter, K.; Scharf, H. P.	Outcome in total knee arthroplasty with a medial-lateral balanced versus unbalanced gap	2016	irrelevant topic; gap balancing
Jawhar, A.; Hutter, K.; Scharf, H. P.	Are joint line changes after primary navigated total knee arthroplasty predictable?	2015	irrelevant topic; joint line differences
Jenny, J. Y.	Minimally invasive unicompartmental knee arthroplasty	2018	no comparison group
Jeschke, E.; Gehrke, T.; Gunster, C.; Hassenpflug, J.; Malzahn, J.; Niethard, F. U.; Schrader, P.; Zacher, J.; Halder, A.	Five-Year Survival of 20,946 Unicondylar Knee Replacements and Patient Risk Factors for Failure: An Analysis of German Insurance Data	2016	no comparison group
Jhurani, A.; Agarwal, P.; Aswal, M.; Rasquinha, C.; Srivastava, M.	Subvastus Exposure Compared to Parapatellar Approach in Navigated Sequential Bilateral Total Knee Arthroplasty (SBTKA): A Prospective Randomized Study	2019	irrelevant topic; surgical approach
Ji, H. M.; Han, J.; Jin, D. S.; Seo, H.; Won, Y. Y.	Kinematically aligned TKA can align knee joint line to horizontal	2016	Irrelevant outcome - joint line alignment
Jiang, L.; Chen, J. Y.; Chong, H. C.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Early Outcomes of Unicompartmental Knee Arthroplasty in Patients With Preoperative Genu Recurvatum of Non-neurological Origin	2016	irrelevant topic; UKA with non-neurological origin
Jing, W.; Long, G.; Yan, Z.; Ping, Y.; Mingsheng, T.	Subclinical Hypothyroidism Affects Postoperative Outcome of Patients Undergoing Total Knee Arthroplasty	2021	irrelevant topic; thyroid
Johnson, W. B., Jr.; Engh, C. A., Jr.; Parks, N. L.; Hamilton, W. G.; Ho, P. H.; Fricka, K. B.	A lower threshold for revision of aseptic unicompartmental vs total knee arthroplasty	2020	irrelevant topic; revisions
Jones, A. R.; Al-Naseer, S.; Bodger, O.; James, E. T. R.; Davies, A. P.	Does pre-operative anxiety and/or depression affect patient outcome after primary knee replacement arthroplasty?	2018	no comparison group
Jorgensen, P. B.; Bogh, S. B.; Kierkegaard, S.; Sorensen, H.; Odgaard, A.; Soballe, K.; Mechlenburg, I.	The efficacy of early initiated, supervised, progressive resistance training compared to unsupervised, home-based exercise after unicompartmental knee arthroplasty: a single-blinded randomized controlled trial	2017	irrelevant topic; resistance training
Jules-Elysee, K. M.; Tseng, A.; Sculco, T. P.; Baaklini, L. R.; McLawhorn, A. S.; Pickard, A. J.; Qin, W.; Cross, J. R.; Su, E. P.; Fields, K. G.; Mayman, D. J.	Comparison of Topical and Intravenous Tranexamic Acid for Total Knee Replacement: A Randomized Double-Blinded Controlled Study of Effects on Tranexamic Acid Levels and Thrombogenic and Inflammatory Marker Levels	2019	irrelevant topic; topical vs IV
Kagan, R.; Anderson, M. B.; Bailey, T.; Hofmann, A. A.; Pelt, C. E.	Ten-Year Survivorship, Patient-Reported Outcomes, and Satisfaction of a Fixed-Bearing Unicompartmental Knee Arthroplasty	2020	irrelevant topic; medial vs lateral
Kahn, T. L.; Snir, N.; Schwarzkopf, R.	Does Body Mass Index Decrease Over Time Among Patients Who Undergo Total Knee Arthroplasty Compared to Patients With Osteoarthritis? Data From the Osteoarthritis Initiative	2016	irrelevant topic; TKA pts vs non-TKA pts
Kakar, R. S.; Fu, Y. C.; Kinsey, T. L.; Brown, C. N.; Mahoney, O. M.; Simpson, K. J.	Lower limb kinematics of unicompartmental knee arthroplasty individuals during stair ascent	2020	irrelevant topic; UKA only

Kalaai, S.; Bemelmans, Y. F. L.; Scholtes, M.; Boonen, B.; van Haaren, E. H.; Schotanus, M. G. M.	A short-term radiological and clinical comparison between the bi-cruciate and cruciate retaining total knee arthroplasty A retrospective case controlled study	2021	irrelevant topic; bicruciate vs cruciate
Kalaai, S.; Scholtes, M.; Borghans, R.; Boonen, B.; van Haaren, E.; Schotanus, M.	Comparable level of joint awareness between the bi-cruciate and cruciate retaining total knee arthroplasty with patient-specific instruments: a case-controlled study	2020	irrelevant topic; bicruciate vs cruciate
Kalbian, I. L.; Tan, T. L.; Rondon, A. J.; Bonaddio, V. A.; Klement, M. R.; Foltz, C.; Lonner, J. H.	Reduced opioid requirements following unicompartmental knee arthroplasty compared with total knee arthroplasty	2019	irrelevant topic; post op TKA/UKA opioid usage
Kaloul, I.; Guay, J.; CÃ'tÃ©, C.; Fallaha, M.	The posterior lumbar plexus (psos compartment) block and the three-in-one femoral nerve block provide similar postoperative analgesia after total knee replacement	2004	irrelevant topic; block vs PCA vs posterior block
Kamaraju, A.; Feinn, R.; Myrick, K.; Halawi, M. J.	Total Versus Unicondylar Knee Arthroplasty: Does Race Play a Role in the Treatment Selection?	2021	irrelevant topic; treatment selection
Kamenaga, T.; Hida, Y.; Hiranaka, T.; Tanaka, T.; Okimura, K.; Tsubosaka, M.; Kuroda, Y.; Nakano, N.; Hayashi, S.; Niikura, T.; Kuroda, R.; Matsumoto, T.	Extent of in vivo sagittal bearing movement and its relationship with tibial posterior slopes in Oxford mobile-bearing unicompartmental knee arthroplasty	2020	irrelevant topic; UKA only
Kamenaga, T.; Hiranaka, T.; Hida, Y.; Fujishiro, T.; Okamoto, K.	Effect of tibial component position on short-term clinical outcome in Oxford mobile bearing unicompartmental knee arthroplasty	2018	irrelevant topic; bearing type
Kamenaga, T.; Hiranaka, T.; Hida, Y.; Fujishiro, T.; Okamoto, K.	Rotational position of the tibial component can decrease bony coverage of the tibial component in Oxford mobile-bearing unicompartmental knee arthroplasty	2019	irrelevant topic; rotational position
Kamenaga, T.; Hiranaka, T.; Kikuchi, K.; Hida, Y.; Fujishiro, T.; Okamoto, K.	Influence of tibial component rotation on short-term clinical outcomes in Oxford mobile-bearing unicompartmental knee arthroplasty	2018	no comparison group
Kamenaga, T.; Hiranaka, T.; Takayama, K.; Tsubosaka, M.; Kuroda, R.; Matsumoto, T.	Adequate Positioning of the Tibial Component Is Key to Avoiding Bearing Impingement in Oxford Unicompartmental Knee Arthroplasty	2019	irrelevant topic; implant position
Kamenaga, T.; Muratsu, H.; Kanda, Y.; Miya, H.; Kuroda, R.; Matsumoto, T.	The Influence of Postoperative Knee Stability on Patient Satisfaction in Cruciate-Retaining Total Knee Arthroplasty	2018	no comparison group
Kamenaga, T.; Takayama, K.; Ishida, K.; Hayashi, S.; Kuroda, R.; Matsumoto, T.	Central Implantation of the Femoral Component Relative to the Tibial Insert Improves Clinical Outcomes in Fixed-Bearing Unicompartmental Knee Arthroplasty	2020	irrelevant topic; implant position
Kaneko, T.; Kono, N.; Mochizuki, Y.; Hada, M.; Sunakawa, T.; Ikegami, H.; Musha, Y.	The influence of compressive forces across the patellofemoral joint on patient-reported outcome after bi-cruciate stabilized total knee arthroplasty	2018	no comparison group
Kaneko, T.; Mochizuki, Y.; Hada, M.; Toyoda, S.; Takada, K.; Ikegami, H.; Musha, Y.	Greater postoperative relatively medial loose gap at 90degree of flexion for varus knees improves patient-reported outcome measurements in anatomical bi-cruciate retaining total knee arthroplasty	2020	no comparison group
Kang, B. X.; Li, Y. L.; Xu, H.; Gao, C. X.; Zhong, S.; Zhang, J.; Xie, J.; Sun, S. T.; Xu, X. R.; Zhao, C.; Ma, Y. H.; Zhai, W. T.; Xiao, L. B.; Hu, X. X.	Effect of Multiple Doses of Intravenous Tranexamic Acid on Perioperative Blood Loss in Total Knee Arthroplasty: A Randomized Controlled Study	2021	No control group without TXA
Kang, S. W.; Kim, K. T.; Hwang, Y. S.; Park, W. R.; Shin, J. K.; Song, M. H.	Is Mobile-Bearing Medial Unicompartmental Knee Arthroplasty Appropriate for Asian Patients With the Risk of Bearing Dislocation?	2020	irrelevant topic; UKA dislocation
Kaptein, B. L.; Hollander, P. D.; Thomassen, B.; Fiocco, M.; Nelissen, R. G. H. H.	A randomized controlled trial comparing tibial migration of the ATTUNE cemented cruciate-retaining knee prosthesis with the PFC-sigma design	2020	irrelevant topic; cemented ATTUNE vs cemented Press- Fit Condylar
Kapurral, L.; Lee, N.; Neal, K.; Burchell, M.	Long-Term Retrospective Assessment of Clinical Efficacy of Radiofrequency Ablation of the Knee Using a Cooled Radiofrequency System	2019	no comparison group
Karaca, S.; Erdem, M. N.; Oztermeli, A.; Bal, E.; Gogus, A.; Hamzaoglu, A.	Clinical and Radiological Results of Oxford Phase-3 Medial Unicompartmental Knee Arthroplasty	2019	no comparison group
Karachalios, T.; Komnos, G.; Hantes, M.; Varitimidis, S.	Evaluating the "Patella-Friendly" Concept in Total Knee Arthroplasty: A Minimum 15-Year Follow-Up Outcome Study Comparing Constant Radius, Multiradius Cruciate-	2021	irrelevant topic; implant type

	Retaining, and Nonanatomical Cruciate-Retaining Implants		
Karaduman, Z. O.	Decreased blood loss with systemic and intraarticular tranexamic acid administration after total knee	2020	irrelevant topic; all groups receive tranexamic acid; irrelevant comparison group
Katchy, A. U.; Katchy, S. C.; Ekwedigwe, H. C.; Ezeobi, I.	Total knee replacement in Nigeria: An assessment of early functional outcome of 68 consecutive knees	2018	no comparison group
Kayani, B.; Konan, S.; Horriat, S.; Ibrahim, M. S.; Haddad, F. S.	Posterior cruciate ligament resection in total knee arthroplasty: the effect on flexion-extension gaps, mediolateral laxity, and fixed flexion deformity	2019	irrelevant topic; pre vs post PCL resection
Kayani, B.; Konan, S.; Pietrzak, J. R. T.; Haddad, F. S.	Iatrogenic Bone and Soft Tissue Trauma in Robotic-Arm Assisted Total Knee Arthroplasty Compared With Conventional Jig-Based Total Knee Arthroplasty: A Prospective Cohort Study and Validation of a New Classification System	2018	no outcomes of interest
Kayani, B.; Konan, S.; Pietrzak, J. R. T.; Huq, S. S.; Tahmassebi, J.; Haddad, F. S.	The learning curve associated with robotic-arm assisted unicompartmental knee arthroplasty: a prospective cohort study	2018	no relevant outcomes
Kayani, B.; Konan, S.; Pietrzak, J. R. T.; Tahmassebi, J.; Haddad, F. S.	Robotic-arm assisted total knee arthroplasty is associated with improved early functional recovery and reduced time to hospital discharge compared with conventional jig-based total knee arthroplasty	2018	Repeat paper, same as 1789
Kayani, B.; Konan, S.; Tahmassebi, J.; Oussédik, S.; Moriarty, P. D.; Haddad, F. S.	A prospective double-blinded randomised control trial comparing robotic arm-assisted functionally aligned total knee arthroplasty versus robotic arm-assisted mechanically aligned total knee arthroplasty	2020	No Data - Study will complete 12/31/2022
Kennedy, J. A.; Matharu, G. S.; Hamilton, T. W.; Mellon, S. J.; Murray, D. W.	Age and Outcomes of Medial Meniscal-Bearing Unicompartmental Knee Arthroplasty	2018	irrelevant topic; age differences in TKA
Kennedy, J. A.; Mohammad, H. R.; Mellon, S. J.; Dodd, C. A. F.; Murray, D. W.	Age stratified, matched comparison of unicompartmental and total knee replacement	2020	groups divided by age
Kennedy, J. A.; Mohammad, H. R.; Yang, I.; Mellon, S. J.; Dodd, C. A. F.; Pandit, H. G.; Murray, D. W.	Oxford domed lateral unicompartmental knee arthroplasty	2020	no comparison group
Kennedy, J. A.; Molloy, J.; Jenkins, C.; Mellon, S. J.; Dodd, C. A. F.; Murray, D. W.	Functional Outcome and Revision Rate Are Independent of Limb Alignment Following Oxford Medial Unicompartmental Knee Replacement	2019	irrelevant topic; limb alignment
Khaliid, S.; Mohammad, H. R.; Gooberman-Hill, R.; Garriga, C.; Pinedo-Villanueva, R.; Arden, N.; Price, A.; Wyld, V.; Peters, T. J.; Blom, A.; Judge, A.	Post-operative determinants of chronic pain after primary knee replacement surgery: Analysis of data on 258,386 patients from the National Joint Registry for England, Wales, Northern Ireland and the Isle of Man (NJR)	2021	irrelevant topic; post op TKA pain
Khamaisy, S.; Zuiderbaan, H. A.; van der List, J. P.; Nam, D.; Pearle, A. D.	Medial unicompartmental knee arthroplasty improves congruence and restores joint space width of the lateral compartment	2016	irrelevant topic; joint space width of lateral compartment
Khatib, Y.; Badge, H.; Xuan, W.; Naylor, J. M.; Harris, I. A.	Patient satisfaction and perception of success after total knee arthroplasty are more strongly associated with patient factors and complications than surgical or anaesthetic factors	2020	irrelevant topic; patient satisfaction
Kia, M.; Warth, L. C.; Lipman, J. D.; Wright, T. M.; Westrich, G. H.; Cross, M. B.; Mayman, D. J.; Pearle, A. D.; Imhauser, C. W.	Fixed-bearing medial unicompartmental knee arthroplasty restores neither the medial pivoting behavior nor the ligament forces of the intact knee in passive flexion	2018	no comparison group
Kim, A. D.; Shah, V. M.; Scott, R. D.	The Effect of Patellar Thickness on Intraoperative Knee Flexion and Patellar Tracking in Patients With Arthrobiosis Undergoing Total Knee Arthroplasty	2016	<20 patients per group
Kim, C. W.; Lee, C. R.; Seo, S. S.; Gwak, H. C.; Kim, J. H.; Park, J. H.	Clinical and Radiologic Outcomes of Partial Lateral Patellar Facetectomy in Total Knee Arthroplasty	2017	irrelevant topic; not registry or RCT
Kim, J. T.; Han, J.; Lim, S.; Shen, Q. H.; Won, Y. Y.	Kinematically Aligned TKA Aligns the Ankle Joint Line Closer to Those of the Native Ankle than Mechanically Aligned TKA in Bipedal Stance	2019	irrelevant topic; ankle alignment

Kim, K. T.; Lee, S.; Kim, J. H.; Hong, S. W.; Jung, W. S.; Shin, W. S.	The Survivorship and Clinical Results of Minimally Invasive Unicompartmental Knee Arthroplasty at 10-Year Follow-up	2015	no comparison group
Kim, K. T.; Lee, S.; Lee, J. I.; Kim, J. W.	Analysis and Treatment of Complications after Unicompartmental Knee Arthroplasty	2016	no comparison group
Kim, K. T.; Lee, S.; Lee, J. S.; Kang, M. S.; Koo, K. H.	Long-Term Clinical Results of Unicompartmental Knee Arthroplasty in Patients Younger than 60 Years of Age: Minimum 10-Year Follow-up	2018	no comparison group
Kim, M. S.; Koh, I. J.; Kim, C. K.; Choi, K. Y.; Baek, J. W.; In, Y.	Comparison of implant position and joint awareness between fixed- and mobile-bearing unicompartmental knee arthroplasty: a minimum of five year follow-up study	2020	irrelevant topic; bearing design
Kim, S. M.; Jang, S. W.; Seo, J. G.; Lee, S. S.; Moon, Y. W.	Comparison of cruciate retaining and PCL sacrificing TKA with respect to medial and lateral gap differences in varus knees after medial release	2015	irrelevant topic; varus knee
Kim, S. M.; Seo, J. G.; Lim, S. J.; Lim, H. T.; Cho, C. H.; Moon, Y. W.	Clinical performance and survivorship of navigated floating platform mobile-bearing total knee arthroplasty: A minimum 10-year follow-up	2017	no comparison group
Kim, S. Y.; An, Y. J.; Kim, S. H.; Kim, H. K.; Park, J. S.; Shin, Y. S.	The effect of postoperative pain on postoperative blood loss after sequential bilateral total knee arthroplasty	2011	no comparison group
Kim, T. K.; Bamne, A. B.; Sim, J. A.; Park, J. H.; Na, Y. G.	Is lower tourniquet pressure during total knee arthroplasty effective? A prospective randomized controlled trial	2019	irrelevant topic; tourniquet pressure
Kim, Y. H.; Choi, Y.; Kwon, O. R.; Kim, J. S.	Functional outcome and range of motion of high-flexion posterior cruciate-retaining and high-flexion posterior cruciate-substituting total knee prostheses. A prospective, randomized study	2009	irrelevant topic; implant type
Kim, Y. H.; Park, J. W.; Kim, J. S.	Clinical Outcome of Medial Pivot Compared With Press-Fit Condylar Sigma Cruciate-Retaining Mobile-Bearing Total Knee Arthroplasty	2017	irrelevant topic; patients receive both types of treatment
Kim, Y. H.; Park, J. W.; Kim, J. S.	The Long-Term Results of Simultaneous High-Flexion Mobile-Bearing and Fixed-Bearing Total Knee Arthroplasties Performed in the Same Patients	2019	no comparison group
Kim, Y. H.; Park, J. W.; Kim, J. S.; Lee, J. H.	Highly Crosslinked-remelted versus Less-crosslinked Polyethylene in Posterior Cruciate-retaining TKAs in the Same Patients	2015	each patient received both treatments
Kim, Y. J.; Kim, B. H.; Yoo, S. H.; Kang, S. W.; Kwack, C. H.; Song, M. H.	Mid-Term Results of Oxford Medial Unicompartmental Knee Arthroplasty in Young Asian Patients Less than 60 Years of Age: A Minimum 5-Year Follow-up	2017	no comparison group
King, L. K.; Waugh, E. J.; Jones, C. A.; Bohm, E.; Dunbar, M.; Woodhouse, L.; Noseworthy, T.; Marshall, D. A.; Hawker, G. A.; B. EST-Knee Study Team	Comorbidities do not limit improvement in pain and physical function after total knee arthroplasty in patients with knee osteoarthritis: the BEST-Knee prospective cohort study	2021	irrelevant topic; comorbidities
Kinsey, T. L.; Anderson, D. N.; Phillips, V. M.; Mahoney, O. M.	Disease Progression After Lateral and Medial Unicondylar Knee Arthroplasty	2018	irrelevant topic; lateral vs media UKA
Kittelson, A. J.; Loyd, B. J.; Gruber, J.; Himawan, M. A.; Waugh, D.; Davenport, J.; Hoogeboom, T. J.; Stevens-Lapsley, J.	Examination of exclusion criteria in total knee arthroplasty rehabilitation trials: influence on the application of evidence in day-to-day practice	2021	Irrelevant topic; Exclusion Criteria on research generalizability
Klasan, A.; Luger, M.; Hochgatterer, R.; Young, S. W.	Measuring appropriate need for unicompartmental knee arthroplasty: results of the MANUKA study	2021	irrelevant topic; investigating indications for UKA/osteotomy
Kleebald, L. J.; Borus, T. A.; Coon, T. M.; Dounchis, J.; Nguyen, J. T.; Pearle, A. D.	Midterm Survivorship and Patient Satisfaction of Robotic-Arm-Assisted Medial Unicompartmental Knee Arthroplasty: A Multicenter Study	2018	irrelevant topic; TKA revisions, no comparison group
Kleebald, L. J.; van der List, J. P.; Pearle, A. D.; Fragomen, A. T.; Rozbruch, S. R.	Predicting the Feasibility of Correcting Mechanical Axis in Large Varus Deformities With Unicompartmental Knee Arthroplasty	2018	irrelevant topic; mechanical axis angle
Kleebald, L. J.; van der List, J. P.; Zuiderbaan, H. A.; Pearle, A. D.	Regional Femoral and Tibial Radiolucency in Cemented Unicompartmental Knee Arthroplasty and the Relationship to Functional Outcomes	2017	no comparison group

Klutzny, M.; Singh, G.; Hameister, R.; Goldau, G.; Awiszus, F.; Feuerstein, B.; Starke, C.; Lohmann, C. H.	Screw Track Osteolysis in the Cementless Total Knee Replacement Design	2019	irrelevant topic; implant type
Knifsund, J.; Hatakka, J.; Keemu, H.; Makela, K.; Koivisto, M.; Niinimaki, T.	Unicompartmental Knee Arthroplasties are Performed on the Patients with Radiologically Too Mild Osteoarthritis	2017	no comparison group
Knifsund, J.; Reito, A.; Haapakoski, J.; Niinimaki, T.; Eskelinen, A.; Leskinen, J.; Puhto, A. P.; Kettunen, J.; Manninen, M.; Makela, K. T.	Short-term survival of cementless Oxford unicompartmental knee arthroplasty based on the Finnish Arthroplasty Register	2019	irrelevant topic; cemented TKA vs uncemented/cemented UKA
Koehler, S. M.; Fields, A.; Noori, N.; Weiser, M.; Moucha, C. S.; Bronson, M. J.	Safety of Tourniquet Use in Total Knee Arthroplasty in Patients With Radiographic Evidence of Vascular Calcifications	2015	irrelevant topic; calcification vs no calcification
Koh, H. J.; In, Y.; Kim, E. S.; Hwang, J. W.; Kim, J. Y.; Lim, S. J.; Park, H. J.	Does central sensitization affect hyperalgesia after staged bilateral total knee arthroplasty? A randomized controlled trial	2020	irrelevant topic; saline vs ketamine
Koh, I. J.; Kim, M. S.; Sohn, S.; Song, K. Y.; Choi, N. Y.; Jung, H.; In, Y.	Predictive factors for satisfaction after contemporary unicompartmental knee arthroplasty and high tibial osteotomy in isolated medial femorotibial osteoarthritis	2019	irrelevant topic; prediction models
Koh, I. J.; Kim, M. W.; Kim, J. H.; Han, S. Y.; In, Y.	Trends in High Tibial Osteotomy and Knee Arthroplasty Utilizations and Demographics in Korea From 2009 to 2013	2015	irrelevant topic; TKA/UKA demographics
Koh, I. J.; Kim, M. W.; Kim, M. S.; Jang, S. W.; Park, D. C.; In, Y.	The Patient's Perception Does Not Differ Following Subvastus and Medial Parapatellar Approaches in Total Knee Arthroplasty: A Simultaneous Bilateral Randomized Study	2016	irrelevant topic; surgical approach, all pts undergo bilateral TKA
Komang-Agung, I. S.; Sindrawati, O.; William, P. S.	Do Age and Co-morbidity, Among other Factors, affect Length of Hospital Stay following Total Knee Arthroplasty	2018	Insufficient outcome data
Komnik, I.; David, S.; Funken, J.; Haberer, C.; Potthast, W.; Weiss, S.	Compromised knee internal rotation in total knee arthroplasty patients during stair climbing	2018	no comparison group
Konan, S.; Haddad, F. S.	Does location of patellofemoral chondral lesion influence outcome after Oxford medial compartmental knee arthroplasty?	2016	no comparison group
Konan, S.; Haddad, F. S.	Midterm Outcome of Avon Patellofemoral Arthroplasty for Posttraumatic Unicompartmental Osteoarthritis	2016	no comparison group
Koppens, D.; Stilling, M.; Munk, S.; Dalsgaard, J.; Rytter, S.; Sorensen, O. G.; Hansen, T. B.	Low implant migration of the SIGMA ^R medial unicompartmental knee arthroplasty	2018	no comparison group
Kornilov, N.; Lindberg, M. F.; Gay, C.; Saraev, A.; Kuljaba, T.; Rosseland, L. A.; Lerdal, A.	Higher physical activity and lower pain levels before surgery predict non-improvement of knee pain 1 year after TKA	2018	no comparison group
Koshino, T.; Sato, K.; Umemoto, Y.; Akamatsu, Y.; Kumagai, K.; Saito, T.	Clinical results of unicompartmental arthroplasty for knee osteoarthritis using a tibial component with screw fixation	2015	irrelevant topic; irrelevant comparison
Kosse, N. M.; Heesterbeek, P. J. C.; Defoort, K. C.; Wymenga, A. B.; van Hellemondt, G. G.	Maximal flexion and patient outcomes after TKA, using a bicruciate-stabilizing design	2020	no comparison group
Kosy, J. D.; Middleton, S. W. F.; Bradley, B. M.; Stroud, R. M.; Phillips, J. R. A.; Toms, A. D.	Complex Regional Pain Syndrome after Total Knee Arthroplasty is Rare and Misdiagnosis Potentially Hazardous-Prospective Study of the New Diagnostic Criteria in 100 Patients with No Cases Identified	2018	no comparison group
Kovalak, E.; Dogan, A. T.; Uzumcugil, O.; Obut, A.; Yildiz, A. S.; Kanay, E.; Tuzuner, T.; Ozuyuvcaci, E.	A comparison of continuous femoral nerve block and periaricular local infiltration analgesia in the management of early period pain developing after total knee arthroplasty	2015	irrelevant topic; nerve block vs PIA
Kozai, L.; Matsumoto, M.; Mathews, K.; Andrews, S.; Nakasone, C.	Perioperative Complications in Patients over 70 Years of Age following Simultaneous Bilateral Total Knee Arthroplasty	2021	irrelevant topic; age
Kristensen, M. S.; Jorgensen, P. B.; Bogh, S. B.; Kierkegaard, S.; Mechlenburg, I.; Dalgas, U.	Acute and chronic effects of early progressive resistance training on knee pain and knee joint effusion after unicompartmental knee arthroplasty	2018	no comparison group
Kulshrestha, V.; Kumar, S.; Datta, B.; Sinha, V. K.; Mittal, G.	Ninety-Day Morbidity and Mortality in Risk-Screened and Optimized Patients Undergoing Two-Team Fast-Track Simultaneous Bilateral TKA Compared With Unilateral TKA—A Prospective Study	2018	irrelevant topic; unilateral vs bilateral

Kulshrestha, V.; Sood, M.; Kanade, S.; Kumar, S.; Datta, B.; Mittal, G.	Early Outcomes of Medial Pivot Total Knee Arthroplasty Compared to Posterior-Stabilized Design: A Randomized Controlled Trial	2020	irrelevant topic; medial pivot vs posterior stabilized design
Kumar, V.; Pandit, H. G.; Liddle, A. D.; Borror, W.; Jenkins, C.; Mellon, S. J.; Hamilton, T. W.; Athanasou, N.; Dodd, C. A.; Murray, D. W.	Comparison of outcomes after UKA in patients with and without chondrocalcinosis: a matched cohort study	2017	irrelevant topic; chondrocalcinosis
Kuriyama, S.; Watanabe, M.; Sekiguchi, K.; Nakamura, S.; Nishitani, K.; Ito, H.; Matsuda, S.	Differences in impact on adjacent compartments in medial unicompartmental knee arthroplasty versus high tibial osteotomy with identical valgus alignment	2021	irrelevant topic; valgus knee alignment
Kuroda, Y.; Takayama, K.; Ishida, K.; Hayashi, S.; Hashimoto, S.; Tsubosaka, M.; Matsushita, T.; Niikura, T.; Nishida, K.; Kuroda, R.; Matsumoto, T.	Medial joint line elevation of the tibia measured during surgery has a significant correlation with the limb alignment changes following medial unicompartmental knee arthroplasty	2018	irrelevant topic; spontaneous osteonecrosis of the knee
Kwon, H. M.; Yang, I. H.; Lee, W. S.; Yu, A. R. L.; Oh, S. Y.; Park, K. K.	Reliability of Intraoperative Knee Range of Motion Measurements by Goniometer Compared with Robot-Assisted Arthroplasty	2019	irrelevant topic; measuring techniques
Labruyere, C.; Zeller, V.; Lhotellier, L.; Desplaces, N.; Leonard, P.; Mamoudy, P.; Marmor, S.	Chronic infection of unicompartmental knee arthroplasty: one-stage conversion to total knee arthroplasty	2015	irrelevant topic; UKA conversion to TKA
Lacko, M.; Schreierova, D.	Comparison of survival rate and risk of revision for mobile-bearing and fixed-bearing total knee replacements	2019	irrelevant topic; bearing design
Lalmohamed, A.; Opdam, F.; Arden, N. K.; Prieto-Alhambra, D.; Van Staa, T.; Leufkens, H. G. M.; De Vries, F.	Knee arthroplasty and risk of hip fracture: A population-based, case-control study	2012	irrelevant topic; hip fracture risk
Lampe, F.; Fiedler, F.; Marques, C. J.; Sufi-Siavach, A.; Matziolis, G.	Surgically modifiable factors measured by computer-navigation together with patient-specific factors predict knee society score after total knee arthroplasty	2016	secondary analysis
Lampe, F.; Marques, C. J.; Fiedler, F.; Sufi-Siavach, A.; Carita, A. I.; Matziolis, G.	Patient-specific and intra-operatively modifiable factors assessed by computer navigation predict maximal knee flexion one year after TKA	2016	irrelevant topic; prediction models
Lankinen, P.; Laasik, R.; Kivimaki, M.; Aalto, V.; Saltychev, M.; Vahtera, J.; Makela, K.	Are patient-related pre-operative factors influencing return to work after total knee arthroplasty	2019	irrelevant topic; return to work
Laoruengthana, A.; Rattanaprichavej, P.; Chaibhuddanugul, N.; Varakornpipat, P.; Galassi, M.; Pongpirul, K.	Blood loss reduction: effect of different knee prosthesis designs and use of tranexamic acid-a randomized controlled trial	2019	irrelevant topic; questionnaire
Latifi, R.; Thomsen, M. G.; Kallemose, T.; Husted, H.; Troelsen, A.	Knee awareness and functionality after simultaneous bilateral vs unilateral total knee arthroplasty	2016	irrelevant topic; unilateral vs bilateral
LeÃ³n-MuÃ±oz, V. J.; LisÃ³n-Almagro, A. J.; HernÃ¡ndez-GarcÃ¡a, C. H.; LÃ³pez-LÃ³pez, M.	Silicone ring tourniquet versus pneumatic cuff tourniquet in total knee arthroplasty surgery: A randomised comparative study	2018	irrelevant topic; tourniquet type
Lee, G. C.; Wakelin, E.; Randall, A.; Plaskos, C.	Can a robot help a surgeon to predict a good total knee arthroplasty?	2021	No control group
Lee, J. K.; Kee, Y. M.; Chung, H. K.; Choi, C. H.	Long-term results of cruciate-retaining total knee replacement in patients with rheumatoid arthritis: a minimum 15-year review	2015	irrelevant topic; RA
Lee, M.; Chen, J.; Shi Lu, C.; Lo, N. N.; Yeo, S. J.	No differences in outcomes scores or survivorship of unicompartmental knee arthroplasty between patients younger or older than 55 years of age at minimum 10-year followup	2019	irrelevant topic; age
Lee, M.; Huang, Y.; Chong, H. C.; Ning, Y.; Lo, N. N.; Yeo, S. J.	Predicting Satisfaction for Unicompartmental Knee Arthroplasty Patients in an Asian Population	2016	no comparison group
Lee, O. S.; Lee, M. C.; Han, H. S.	Efficacy and safety of a new elastic tourniquet cuff in total knee arthroplasty: a prospective randomized controlled study	2017	irrelevant topic; tourniquet type
Lee, Q. J.; Mak, W. P.; Hau, W. S.; Yeung, S. T.; Wong, Y. C.; Wai, Y. L.	Short duration and low suction pressure drain versus no drain following total knee replacement	2015	not RCT
Lee, S. R.; Shrestha, K.; Staggers, J.; Li, P.; Naranje, S. M.; Shah, A.	Impact of time to surgery from injury on postoperative infection and deep vein thrombosis in periprosthetic knee fractures	2018	no comparison group
Lee, S. Y.; Bae, J. H.; Suh, D. W.; Kim, H. J.; Lim, H. C.	The Mediolateral Excursion of the Meniscal Bearing during Flexion and Extension of the Knee after Medial Mobile-Bearing Unicompartmental Knee Arthroplasty	2017	no comparison group

Lee, S. Y.; Lim, H. C.; Jang, K. M.; Bae, J. H.	What Factors Are Associated With Femoral Component Internal Rotation in TKA Using the Gap Balancing Technique?	2017	no comparison group
Lee, W. G.; Song, E. K.; Choi, S. W.; Jin, Q. H.; Seon, J. K.	Comparison of Posterior Cruciate-Retaining and High-Flexion Cruciate-Retaining Total Knee Arthroplasty Design	2020	irrelevant topic; high flexion CR vs posterior CR
Leelasestaporn, C.; Sirithanapipat, P.; Narinsorasak, T.; Sithitool, K.	A Ten to Thirteen Years Follow-up and Survivorship Study Cemented Low Contact Stress (LCS) Total Knee Replacement in Thailand	2016	irrelevant topic; age differences in TKA
Leelasestaporn, C.; Tantipanpipat, U.	Comparative study of mobile- and fixed-bearing unicompartmental knee arthroplasty in medial osteoarthritis: A prospective randomized study of bone preservation and early clinical outcomes	2018	irrelevant topic; mobile vs fixed bearing TKA
Leelasestaporn, C.; Tantipanpipat, U.	Survivorship and clinical results of fixed bearing all-polyethylene unicompartmental knee arthroplasty in the thai population: A five to ten year follow-up study	2018	no comparison group
Leelasestaporn, C.; Thuwapitchayanan, M.; Sirithanapipat, P.; Sa-Ngasongsong, P.; Ruengsilsuwit, P.	Reliability of imageless computer-assisted navigation for femoral rotational alignment in total knee arthroplasty	2021	irrelevant topic; not RCT
Lei, Y. T.; Xie, J. W.; Huang, Q.; Huang, W.; Pei, F. X.	The antifibrinolytic and anti-inflammatory effects of a high initial-dose tranexamic acid in total knee arthroplasty: a randomized controlled trial	2020	irrelevant topic; high dose TXA vs low dose
Lei, Y.; Xie, J.; Xu, B.; Xie, X.; Huang, Q.; Pei, F.	The efficacy and safety of multiple-dose intravenous tranexamic acid on blood loss following total knee arthroplasty: a randomized controlled trial	2017	irrelevant topic; all groups receive tranexamic acid; irrelevant comparison group
Leie, M. A.; Klasan, A.; Yeo, W. W.; Misso, D.; Coolican, M.	Decreasing Posterior Femoral Condyle Offset Improves Intraoperative Correction of Flexion Contracture in Total Knee Arthroplasty	2020	no comparison group
Leta, T. H.; Lygre, S. H.; Skredderstuen, A.; Hallan, G.; Gjertsen, J. E.; Rokne, B.; Furnes, O.	Secondary patella resurfacing in painful non-resurfaced total knee arthroplasties : A study of survival and clinical outcome from the Norwegian Arthroplasty Register (1994-2011)	2016	irrelevant topic; irrelevant comparison
Leta, T. H.; Lygre, S. H.; Skredderstuen, A.; Hallan, G.; Gjertsen, J. E.; Rokne, B.; Furnes, O.	Outcomes of Unicompartmental Knee Arthroplasty After Aseptic Revision to Total Knee Arthroplasty: A Comparative Study of 768 TKAs and 578 UKAs Revised to TKAs from the Norwegian Arthroplasty Register (1994 to 2011)	2016	irrelevant topic; revisions
Levy, Y.; Azar, M.; Raffaelli, A.; Tran, L.; Carles, M.; Boileau, P.; Trojani, C.	One-session bilateral total knee replacement: Late complications and survivorship	2020	no comparison group
Levy, Y.; Azar, M.; Tran, L.; Boileau, P.; Bronsard, N.; Trojani, C.	Early morbidity and mortality after single-stage bilateral total knee replacement	2018	no comparison group
Leyland, K. M.; Judge, A.; Javaid, M. K.; Diez-Perez, A.; Carr, A.; Cooper, C.; Arden, N. K.; Prieto-Alhambra, D.	Obesity and the Relative Risk of Knee Replacement Surgery in Patients With Knee Osteoarthritis: A Prospective Cohort Study	2016	irrelevant topic; TKA incidences
Li, C.; Hosseini, A.; Tsai, T. Y.; Kwon, Y. M.; Li, G.	Articular contact kinematics of the knee before and after a cruciate retaining total knee arthroplasty	2015	<20 patients per group
Li, D.; Alqwbani, M.; Wang, Q.; Liao, R.; Yang, J.; Kang, P.	Efficacy of Adductor Canal Block Combined With Additional Analgesic Methods for Postoperative Analgesia in Total Knee Arthroplasty: A Prospective, Double-Blind, Randomized Controlled Study	2020	irrelevant topic; irrelevant comparison
Li, D.; Tan, Z.; Kang, P.; Shen, B.; Pei, F.	Effects of multi-site infiltration analgesia on pain management and early rehabilitation compared with femoral nerve or adductor canal block for patients undergoing total knee arthroplasty: a prospective randomized controlled trial	2017	irrelevant topic; blocks vs IA
Li, P.; Kennedy, J.; Mohammad, H. R.; Pang, Z.; Mellon, S.; Jackson, W.; Price, A.; Dodd, C.; Murray, D.	Acceptable outcomes with unicompartmental knee replacement and PCL deficiency are achievable: a case series of nine patients	2020	case series
Li, X.; Qi, X. B.; Han, X.; Wang, W.; Liu, J. N.; Guo, J. C.; Li, Z. Y.	Effects of sealing the intramedullary femoral canal in total knee arthroplasty: A randomized study	2017	irrelevant topic; sealing vs open femoral hole

Li, Z.; Liu, D.; Dong, J.; Gong, L.; Wang, Y.; Tang, P.; Zhang, Y.	Effects of cold irrigation on early results after total knee arthroplasty a randomized, double-blind, controlled study	2016	irrelevant topic; temperature of drainage
Liddle, A. D.; Pandit, H.; Judge, A.; Murray, D. W.	Effect of Surgical Caseload on Revision Rate Following Total and Unicompartmental Knee Replacement	2016	irrelevant topic; revisions
Liddle, A. D.; Pandit, H.; Judge, A.; Murray, D. W.	Optimal usage of unicompartmental knee arthroplasty: a study of 41,986 cases from the National Joint Registry for England and Wales	2015	no comparison group
Lim, J. B. T.; Chong, H. C.; Pang, H. N.; Tay, K. J. D.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Revision total knee arthroplasty for failed high tibial osteotomy and unicompartmental knee arthroplasty have similar patient-reported outcome measures in a two-year follow-up study	2017	irrelevant topic; revisions
Lim, J. B. T.; Pang, H. N.; Tay, K. J. D.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Clinical outcomes and patient satisfaction following revision of failed unicompartmental knee arthroplasty to total knee arthroplasty are as good as a primary total knee arthroplasty	2019	irrelevant topic; UKA to TKA revisions
Lim, J. B.; Chi, C. H.; Lo, L. E.; Lo, W. T.; Chia, S. L.; Yeo, S. J.; Chin, P. L.; Tay, K. J.; Lo, N. N.	Gender difference in outcome after total knee replacement	2015	irrelevant topic; gender differences
Lim, J. W.; Chen, J. Y.; Chong, H. C.; Pang, H. N.; Tay, D. K. J.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Pre-existing patellofemoral disease does not affect 10-year survivorship in fixed bearing unicompartmental knee arthroplasty	2019	irrelevant topic; patellofemoral disease
Lim, Y. Z.; Wang, Y.; Cicuttini, F. M.; Giles, G. G.; Graves, S.; Wluka, A. E.; Hussain, S. M.	Obesity defined by body mass index and waist circumference and risk of total knee arthroplasty for osteoarthritis: A prospective cohort study	2021	irrelevant topic; TKA vs no TKA
Lin, W.; Dai, Y.; Dong, C.; Piao, K.; Hao, K.; Wang, F.	Joint Awareness after Patellofemoral Arthroplasty Evaluated with the Forgotten Joint Score: A Comparison Study	2021	irrelevant topic; patellofemoral arthroplasty
Lin, X.; Zhou, Y.; Zheng, H.; Zhang, J.; Wang, X.; Liu, K.; Wang, J.; Guo, X.; Li, Z.; Han, B.	Enhanced preoperative education about continuous femoral nerve block with patient-controlled analgesia improves the analgesic effect for patients undergoing total knee arthroplasty and reduces the workload for ward nurses	2019	irrelevant topic; pre op education
Lindberg, M. F.; Miaskowski, C.; Rustoen, T.; Rosseland, L. A.; Paul, S. M.; Cooper, B. A.; Lerdal, A.	The Impact of Demographic, Clinical, Symptom and Psychological Characteristics on the Trajectories of Acute Postoperative Pain After Total Knee Arthroplasty	2017	irrelevant topic; prediction models
Lindberg, M. F.; Miaskowski, C.; Rustoen, T.; Rosseland, L. A.; Paul, S. M.; Lerdal, A.	Preoperative Pain, Symptoms, and Psychological Factors related to Higher Acute Pain Trajectories during Hospitalization for Total Knee Arthroplasty	2016	no comparison group
Ling, Z. M.; Soong, J. W.; Loh, B.; Yeo, S. J.; Pang, H. N.; Lo, N. N.	Low Infection Rates in Total Knee Arthroplasty in End Stage Renal Failure Patients	2016	no comparison group
Liow, M. H. L.; Goh, G. S.; Pang, H. N.; Tay, D. K.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Should patients aged 75 years or older undergo medial unicompartmental knee arthroplasty? A propensity score-matched study	2020	irrelevant topic; age differences in TKA
Liow, M. H.; Tsai, T. Y.; Dimitriou, D.; Li, G.; Kwon, Y. M.	Does 3-Dimensional In Vivo Component Rotation Affect Clinical Outcomes in Unicompartmental Knee Arthroplasty?	2016	irrelevant topic; UKA only
Lisowski, L. A.; Meijer, L. I.; van den Bekerom, M. P.; Pilot, P.; Lisowski, A. E.	Ten- to 15-year results of the Oxford Phase III mobile unicompartmental knee arthroplasty: a prospective study from a non-designer group	2016	no comparison group
Lisowski, L. A.; van den Bekerom, M. P.; Pilot, P.; van Dijk, C. N.; Lisowski, A. E.	Oxford Phase 3 unicompartmental knee arthroplasty: medium-term results of a minimally invasive surgical procedure	2011	irrelevant topic; UKA only
Liu, G. U. O. Q.; Pan, H.; Liu, Z.; Wang, J. J.; Wang, F.; Wang, P.; Shi, Q. L.; Guo, J.; Li, L.	Gait Analysis after Total Knee Arthroplasty with Posterior Cruciate Ligament Retention Rotating Platform and Fixed Total Knee Arthroplasty	2021	irrelevant topic; rotating vs fixed platform
Liu, H. M.; Wang, Y. F.; Wu, J. M.; Li, B. Y.; Dong, F.; Lu, D. F.; Li, H. X.; Zhang, Z. T.; Yu, C.; Lian, Y. Y.	A comparative study of clinical effect of total knee arthroplasty in the treatment of primary osteoarthritis and osteoarthritis of Kashin-Beck disease	2020	irrelevant topic; Kashin-Beck disease
Liu, H.; Mei, X.; Zhang, Z.; Sun, J.	Mini-midvastus versus mini-medial parapatellar approach in simultaneous bilateral total knee arthroplasty with 24-month follow-up	2015	irrelevant topic; incision types
Lizaur-Utrilla, A.; Martinez-Mendez, D.; Miralles-Munoz, F. A.; Marco-Gomez, L.; Lopez-Prats, F. A.	Risk-Benefit on Quality of Life After Total Knee Arthroplasty in Octogenarians	2017	irrelevant topic; age differences in TKA

Lo Presti, M.; Costa, G. G.; Cialdella, S.; Agro, G.; Grassi, A.; Caravelli, S.; Mosca, M.; Marcheggiani Muccioli, G. M.; Zaffagnini, S.	Return to Sports after Unicompartmental Knee Arthroplasty: Reality or Utopia? A 48-Month Follow-Up Prospective Study	2019	no comparison group
Lobenhoffer, P.	Indication for Unicompartmental Knee Replacement versus Osteotomy around the Knee	2017	review
Lonner, J. H.	Modular bicompartimental knee arthroplasty with robotic arm assistance	2009	review
Lonner, J. H.; John, T. K.; Conditt, M. A.	Robotic arm-assisted UKA improves tibial component alignment: a pilot study	2010	<20 patients per group
Lopez-Olivo, M. A.; Ingleshwar, A.; Landon, G. C.; Siff, S. J.; Barbo, A.; Lin, H. Y.; Suarez-Almazor, M. E.	Psychosocial Determinants of Total Knee Arthroplasty Outcomes Two Years After Surgery	2020	no comparison group
Louw, A.; Puentedura, E. J.; Reed, J.; Zimney, K.; Grimm, D.; Landers, M. R.	A controlled clinical trial of preoperative pain neuroscience education for patients about to undergo total knee arthroplasty	2019	Does not contain Preop Opioid use treatment group
Loyd, B. J.; Stackhouse, S. K.; Hogan, C.; Dayton, M. R.; Stevens-Lapsley, J. E.; Kittelson, A. J.	Peripheral Nociception Is Associated with Voluntary Activation Deficits and Quadriceps Weakness Following Total Knee Arthroplasty	2019	no comparison group
Lu, Y.; Huang, H. M.; Yan, J.; Jiang, H.	Comparison of postoperative femoral nerve block, epidural block and intravenous patient-controlled analgesia in pain control and postoperative rehabilitation after total knee arthroplasty	2017	irrelevant topic; block vs PCA vs epidural
Luna, J. T.; Sembrano, J. N.; Gioe, T. J.	Mobile and fixed-bearing (all-polyethylene tibial component) total knee arthroplasty designs: Surgical technique	2010	irrelevant topic; bearing type
Lynch, J. T.; Perriman, D. M.; Scarvell, J. M.; Pickering, M. R.; Galvin, C. R.; Neeman, T.; Smith, P. N.	The influence of total knee arthroplasty design on kneeling kinematics: a prospective randomized clinical trial	2021	<20 patients per group
Ma, D. S.; Wen, L.; Wang, Z. W.; Zhang, B.; Ren, S. X.; Lin, Y.	Intact, pie-crusting and repairing the posterior cruciate ligament in posterior cruciate ligament-retaining total knee arthroplasty: A 5-year follow-up	2019	irrelevant topic; tibial slope
Ma, P.; Xing, T.; Cao, Q.; Wang, S.; Wang, G.; Yan, C.; Li, Z.; Wang, Y.; Qin, F.; Chen, L.; Fu, P.	Postoperative analgesia of parecoxib in elderly patients receiving total knee replacement and its effect on immune function and inflammatory response	2020	irrelevant topic; Parecoxib
Ma, T.; Tu, Y.; Xue, H.; Wen, T.; Mei, J.	Unicompartmental knee arthroplasty for spontaneous osteonecrosis	2017	irrelevant topic; Spontaneous osteonecrosis of the knee vs OA
Maalouly, J.; El Assaad, D.; Ayoubi, R.; Tawk, A.; Darwish, M.; Aouad, D.; Lati, G.; El Rassi, G.	Efficacy and safety of systemic tranexamic acid administration in total knee arthroplasty: A case series	2020	case series
Mackie, A.; Muthumayandi, K.; Shirley, M.; Deehan, D.; Gerrand, C.	Association between body mass index change and outcome in the first year after total knee arthroplasty	2015	no comparison group
Mahringer-Kunz, A.; Efe, T.; Fuchs-Winkelmann, S.; Schuttler, K. F.; Paletta, J. R.; Heyse, T. J.	Bleeding in TKA: posterior stabilized vs. cruciate retaining	2015	no outcomes of interest
Maier, M. W.; Kuhs, F.; Streit, M. R.; Schuhmacher, P.; Walker, T.; Ewerbeck, V.; Gottermann, T.	Unicompartmental knee arthroplasty in patients with full versus partial thickness cartilage loss (PTCL): equal in clinical outcome but with higher reoperation rate for patients with PTCL	2015	no comparison group
Mak, W. K.; Bin Abd Razak, H. R.; Tan, H. A.	Which Patients Require a Contralateral Total Knee Arthroplasty Within 5 Years of Index Surgery?	2020	irrelevant topic; Contralateral TKA
Makhdom, A. M.; Kerr, G. J.; Wu, E.; Lonner, J. H.	Rotational alignment errors can occur in unicompartmental knee arthroplasty if anatomical landmarks are misused: A preoperative CT scan analysis	2020	irrelevant topic; UKA only
Malahias, M. A.; Jang, S. J.; Gu, A.; Richardson, S. S.; Chen, A. Z.; Rao, R. D.; Sculco, P. K.	Cervical spine degenerative disease is an independent risk factor for increased revision rate following total knee arthroplasty	2020	irrelevant topic; Cervical spine degenerative disease
Malavolta, M.; Compagnoni, R.; Mezzari, S.; Calanna, F.; Pastrone, A.; Randelli, P.	Good clinical results using a modified kinematic alignment technique with a cruciate sacrificing medially stabilised total knee arthroplasty	2020	no comparison group
Malhotra, R.; Gaba, S.; Wahal, N.; Kumar, V.; Srivastava, D. N.; Pandit, H.	Femoral Component Sizing in Oxford Unicompartmental Knee Replacement: Existing Guidelines Do Not Work for Indian Patients	2019	irrelevant topic; implant size

Maniar, R. N.; Patil, A. M.; Maniar, A. R.; Gangaraju, B.; Singh, J.	Effect of preoperative vitamin D levels on functional performance after total knee arthroplasty	2016	irrelevant topic; pre op vitamin D
Maniar, R. N.; Singhi, T.; Patil, A.; Kumar, G.; Maniar, P.; Singh, J.	Optimizing effectivity of tranexamic acid in bilateral knee arthroplasty - A prospective randomized controlled study	2017	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Mannan, A.; Pilling, R. W. D.; Mason, K.; Stirling, P.; Duffy, D.; London, N.	Excellent survival and outcomes with fixed-bearing medial UKA in young patients (<= 60 years) at minimum 10-year follow-up	2020	no comparison group
Marchand, K. B.; Salem, H. S.; Mathew, K. K.; Harwin, S. F.; Mont, M. A.; Marchand, R. C.	The Accuracy of Computed Tomography-Based, Three-Dimensional Implant Planning in Robotic-Assisted Total Knee Arthroplasty	2021	No control group
Marchand, R. C.; Sodhi, N.; Bhowmik-Stoker, M.; Scholl, L.; Condrey, C.; Khlopas, A.; Sultan, A. A.; Newman, J. M.; Mont, M. A.	Does the Robotic Arm and Preoperative CT Planning Help with 3D Intraoperative Total Knee Arthroplasty Planning?	2019	irrelevant topic; pre cut bone vs post cut bone
Mardani-Kivi, M.; Leili, E. K.; torfeh, N.; Azari, Z.	Bilateral total knee arthroplasty: Simultaneous versus staging in the same or in twice hospitalization	2020	irrelevant topic; hospitalization , same vs different vs simultaneous
Matar, H. E.; Thangaraj, R.; Saraogi, A.; Raut, V.	High Medium-Term Survivorship of Cruciate-Retaining Total Knee Arthroplasties (110 Knees) for Valgus Deformity	2019	irrelevant topic; valgus deformities
Mathieu, S. V.; Fischer, K.; Dawson-Hughes, B.; Freystaetter, G.; Beuschlein, F.; Schietzel, S.; Egli, A.; Bischoff-Ferrari, H. A.	Association between 25-Hydroxyvitamin D Status and Components of Body Composition and Glucose Metabolism in Older Men and Women	2018	irrelevant topic; patients undergoing TKA
Matsui, Y.; Shintani, K.; Okajima, Y.; Matsuura, M.; Nakagawa, S.	The effect of tourniquets on patellofemoral joint congruity during total knee arthroplasty	2016	no comparison group
Matsumoto, M.; Saito, S.; Andrews, S.; Mathews, K.; Morikawa, L.; Nakasone, C.	Barriers to achieving same day discharge following unilateral unicompartmental knee arthroplasty	2020	irrelevant topic; same day discharge vs 1+ day discharge
Matsumoto, T.; Takayama, K.; Muratsu, H.; Matsushita, T.; Kuroda, R.; Kurosaka, M.	Semimembranosus Release Reduces Tibial Internal Rotation and Flexion Angle in Cruciate-Retaining Total Knee Arthroplasty	2015	irrelevant topic; release type
McEwen, P.; Balendra, G.; Doma, K.	Medial and lateral gap laxity differential in computer-assisted kinematic total knee arthroplasty	2019	no comparison group
Medical Advisory, Secretariat	Total knee replacement: an evidence-based analysis	2005	review
Meehan, J. P.; Monazzam, S.; Miles, T.; Danielsen, B.; White, R. H.	Postoperative Stiffness Requiring Manipulation Under Anesthesia Is Significantly Reduced After Simultaneous Versus Staged Bilateral Total Knee Arthroplasty	2017	irrelevant topic; Manipulation under Anesthesia
Mehta, S. J.; Hume, E.; Troxel, A. B.; Reitz, C.; Norton, L.; Lacko, H.; McDonald, C.; Freeman, J.; Marcus, N.; Volpp, K. G.; Asch, D. A.	Effect of Remote Monitoring on Discharge to Home, Return to Activity, and Rehospitalization After Hip and Knee Arthroplasty: A Randomized Clinical Trial	2020	Irrelevant topic; Hip and Knee data combined
Mehta, S. P.; Perruccio, A. V.; Palaganas, M.; Davis, A. M.	Do women have poorer outcomes following total knee replacement?	2015	irrelevant topic; gender differences
Mehta, S.; Rigney, A.; Webb, K.; Wesney, J.; Stratford, P. W.; Shuler, F. D.; Oliashirazi, A.	Characterizing the recovery trajectories of knee range of motion for one year after total knee replacement	2020	irrelevant topic; recovery and ROM post op
Miettinen, S. S.; Torssonen, S. K.; Miettinen, H. J.; Soininvaara, T.	Mid-term Results of Oxford Phase 3 Unicompartmental Knee Arthroplasties at a Small-Volume Center	2016	no comparison group
Migliorini, F.; Tingart, M.; Niewiera, M.; Rath, B.; Eschweiler, J.	Unicompartmental versus total knee arthroplasty for knee osteoarthritis	2019	review
Minoda, Y.; Hayakawa, K.; Hagio, K.; Konishi, N.; Tamaki, T.; Iwakiri, K.; KneeAlign 2 Multicenter, R. C. T. Group	Usefulness of an Accelerometer-Based Portable Navigation System for Total Knee Arthroplasty: A Multicenter Prospective Randomized Controlled Trial	2020	irrelevant topic; comparing two navigation treatments
Misir, A.; Uzun, E.; Kizkapan, T. B.; Gunay, A. E.; Ozcamdalli, M.; Husrevoglu, K.	Lateral and patellofemoral compartment osteoarthritis progression after medial unicompartmental knee arthroplasty: A five- to 10-year follow-up study	2020	irrelevant topic; OA progression
Mofidi, A.; Lu, B.; Plate, J. F.; Lang, J. E.; Poehling, G. G.; Jinnah, R. H.	Effect of arthritis in other compartment after unicompartmental arthroplasty	2014	no comparison group

Moghtadaei, M.; Yeganeh, A.; Hosseinzadeh, N.; Khazanchin, A.; Moaiedfar, M.; Jolfaei, A. G.; Nasiri, S.	The Impact of Depression, Personality, and Mental Health on Outcomes of Total Knee Arthroplasty	2020	irrelevant topic; personality and education
Mohammad, H. R.; Kennedy, J. A.; Mellon, S. J.; Judge, A.; Dodd, C. A.; Murray, D. W.	Ten-year clinical and radiographic results of 1000 cementless Oxford unicompartmental knee replacements	2020	irrelevant topic; revisions
Mohammad, H. R.; Matharu, G. S.; Judge, A.; Murray, D. W.	New surgical instrumentation reduces the revision rate of unicompartmental knee replacement: A propensity score matched comparison of 15,906 knees from the National Joint Registry	2020	irrelevant topic; microplasty
Mohammad, H. R.; Matharu, G. S.; Judge, A.; Murray, D. W.	The Mid- to Long-Term Outcomes of the Lateral Domed Oxford Unicompartmental Knee Replacement: An Analysis From the National Joint Registry for England, Wales, Northern Ireland, and the Isle of Man	2020	irrelevant topic; UKA only
Mohammad, H. R.; Matharu, G. S.; Judge, A.; Murray, D. W.	The Effect of Surgeon Caseload on the Relative Revision Rate of Cemented and Cementless Unicompartmental Knee Replacements: An Analysis from the National Joint Registry for England, Wales, Northern Ireland and the Isle of Man	2020	no outcomes of interest
Molloy, J.; Kennedy, J.; Jenkins, C.; Mellon, S.; Dodd, C.; Murray, D.	Obesity should not be considered a contraindication to medial Oxford UKA: long-term patient-reported outcomes and implant survival in 1000 knees	2019	Irrelevant outcome-doesn't involve information requested for PICO
Molt, M.; Toksvig-Larsen, S.	2-year follow-up report on micromotion of a short tibia stem. A prospective, randomized RSA study of 59 patients	2015	irrelevant topic; tibia stem length
Morsy, A. M.; Elbana, E. G.; Mostafa, A. G.; Edward, M. A.; Hafez, M. A.	Comparison of Functional Outcome of Total and Unicompartmental Knee Arthroplasty Using Computer-Assisted Patient-Specific Templating	2021	<20 patients per group
Mortensen, J. F.; Rasmussen, L. E.; Ostgaard, S. E.; Kappel, A.; Madsen, F.; Schroder, H. M.; Odgaard, A.	Randomized clinical trial of medial unicompartmental versus total knee arthroplasty for anteromedial tibio-femoral osteoarthritis. The study-protocol	2019	protocol only - no results
Motesharei, A.; Rowe, P.; Blyth, M.; Jones, B.; Maclean, A.	A comparison of gait one year post operation in an RCT of robotic UKA versus traditional Oxford UKA	2018	irrelevant outcomes
Motififard, M.; Omidian, A.; Badie, S.	Pre-emptive injection of peri-articular-multimodal drug for post-operative pain management in total knee arthroplasty: a double-blind randomized clinical trial	2017	irrelevant topic; drug cocktail vs epinephrine
Mouzopoulos, G.; Nomikos, G; Tsembeli, A.; Vasiliadis, V.	Analgesic effect of femoral nerve block on postoperative pain and ambulation after total knee arthroplasty	2014	abstract only; need full-text PDF
Mufarrih, S. H.; Aqueel, T.; Ali, A.; Azeem, T.; Noordin, S.	Unilateral vs. bilateral total knee arthroplasty with 90-day morbidity and mortality: A retrospective cohort study	2017	irrelevant topic; unilateral vs bilateral
Mullaji, A.	Can isolated removal of osteophytes achieve correction of varus deformity and gap-balance in computer-assisted total knee arthroplasty?	2020	no outcomes of interest
Mullaji, A.; Kanna, R.; Shetty, G. M.; Chavda, V.; Singh, D. P.	Efficacy of periarticular injection of bupivacaine, fentanyl, and methylprednisolone in total knee arthroplasty:a prospective, randomized trial	2010	all participants receive both treatment and control in each knee
Murakami, K.; Hamai, S.; Okazaki, K.; Ikebe, S.; Nakahara, H.; Higaki, H.; Shimoto, T.; Mizu-uchi, H.; Kuwashima, U.; Iwamoto, Y.	Kinematic analysis of stair climbing in rotating platform cruciate-retaining and posterior-stabilized mobile-bearing total knee arthroplasties	2017	<20 patients per group
Mutsuzaki, H.; Watanabe, A.; Komatsuzaki, T.; Kinugasa, T.; Ikeda, K.	Investigation of perioperative safety and clinical results of one-stage bilateral total knee arthroplasty in selected low-risk patients	2018	no comparison group
Nabavi, A.; Olwill, C. M.	Early outcome after total knee replacement using computed tomography-based patient-specific cutting blocks versus standard instrumentation	2015	not RCT
Nabavi, A.; Olwill, C. M.; Do, M.; Wanasawage, T.; Harris, I. A.	Patient-specific instrumentation for total knee arthroplasty	2017	not RCT
Najfeld, M.; Hube, R.; Kujat, A. K.; Mayr, H. O.; Thiele, K.	Is changing the postoperative pain management in total knee arthroplasty from femoral nerve block to local	2020	irrelevant topic; FNB vs LIA

	infiltration analgesia successful? Retrospective trial with the first and last 100 patients		
Nakagawa, S.; Arai, Y.; Inoue, H.; Kan, H.; Hino, M.; Ichimaru, S.; Ikoma, K.; Fujiwara, H.; Amaya, F.; Sawa, T.; Kubo, T.	Comparative Effects of Periarticular Multimodal Drug Injection and Single-Shot Femoral Nerve Block on Pain Following Total Knee Arthroplasty and Factors Influencing Their Effectiveness	2016	irrelevant topic; FNB vs LIA
Nakano, N.; Matsumoto, T.; Ishida, K.; Tsumura, N.; Muratsu, H.; Hiranaka, T.; Kuroda, R.; Kurosaka, M.	Factors influencing the outcome of deep infection following total knee arthroplasty	2015	no comparison group
Nakano, N.; Matsumoto, T.; Muratsu, H.; Takayama, K.; Kuroda, R.; Kurosaka, M.	Postoperative Knee Flexion Angle Is Affected by Lateral Laxity in Cruciate-Retaining Total Knee Arthroplasty	2016	irrelevant topic; flexion angle
Nam, D.; Barrack, T.; Nunley, R. M.; Barrack, R. L.	What Is the Frequency of Noise Generation in Modern Knee Arthroplasty and Is It Associated With Residual Symptoms?	2017	irrelevant topic; implant noise
Nam, D.; Berend, M. E.; Nunley, R. M.; Della Valle, C. J.; Berend, K. R.; Lombardi, A. V.; Barrack, R. L.	Residual Symptoms and Function After Unicompartmental and Total Knee Arthroplasty: Comparable to Normative Controls?	2016	irrelevant topic; uneven groups; 32%
Nankivell, M.; West, G.; Pourgiezis, N.	Operative efficiency and accuracy of patient-specific cutting guides in total knee replacement	2015	not RCT
Napier, R. J.; O'Neill, C.; O'Brien, S.; Doran, E.; Mockford, B.; Boldt, J.; Beverland, D. E.	A prospective evaluation of a largely cementless total knee arthroplasty cohort without patellar resurfacing: 10-year outcomes and survivorship	2018	no comparison group
Nedopil, A. J.; Delman, C.; Howell, S. M.; Hull, M. L.	Restoring the Patient's Pre-Arthritic Posterior Slope Is the Correct Target for Maximizing Internal Tibial Rotation When Implanting a PCL Retaining TKA with Caliper Kinematic Alignment	2021	no comparison group
Neginhal, V.; Kurtz, W.; Schroeder, L.	Patient satisfaction, functional outcomes, and survivorship in patients with a customized posterior-stabilized total knee replacement	2020	No control group
Newman, J. M.; Khlopas, A.; Chughtai, M.; Gwam, C. U.; Mistry, J. B.; Yakubek, G. A.; Harwin, S. F.; Mont, M. A.	Cementless Total Knee Arthroplasty in Patients Older Than 75 Years	2017	no comparison group
Newman, J. M.; Siqueira, M. B. P.; Klika, A. K.; Molloy, R. M.; Barsoum, W. K.; Higuera, C. A.	Use of Closed Incisional Negative Pressure Wound Therapy After Revision Total Hip and Knee Arthroplasty in Patients at High Risk for Infection: A Prospective, Randomized Clinical Trial	2019	TKA and THA participants combined
Ng, F. Y.; Ng, J. K.; Chiu, K. Y.; Yan, C. H.; Chan, C. W.	Multimodal periarticular injection vs continuous femoral nerve block after total knee arthroplasty: a prospective, crossover, randomized clinical trial	2012	irrelevant topic; periarticular injections vs nerve block
Nielsen, C. S.; Jans, O.; Orsnes, T.; Foss, N. B.; Troelsen, A.; Husted, H.	Combined Intra-Articular and Intravenous Tranexamic Acid Reduces Blood Loss in Total Knee Arthroplasty: A Randomized, Double-Blind, Placebo-Controlled Trial	2016	irrelevant topic; combined administration methods
Nielsen, F. K.; Egund, N.; Jorgensen, A.; Jurik, A. G.	Risk factors for joint replacement in knee osteoarthritis; a 15-year follow-up study	2017	irrelevant topic; TKA vs no TKA
Nielsen, K. A.; Thomsen, M. G.; Latifi, R.; Kallemose, T.; Husted, H.; Troelsen, A.	Does post-operative knee awareness differ between knees in bilateral simultaneous total knee arthroplasty? Predictors of high or low knee awareness	2016	irrelevant topic; best knee vs worst knee
Niemelainen, M.; Moilanen, T.; Huhtala, H.; Eskelinen, A.	Outcome of knee arthroplasty in patients aged 65 years or less: a prospective study of 232 patients with 2-year follow-up	2019	uneven groups; 11% vs 89%
Oh, C. S.; Song, E. K.; Seon, J. K.; Ahn, Y. S.	The effect of flexion balance on functional outcomes in cruciate-retaining total knee arthroplasty	2015	irrelevant topic; balanced vs unbalanced
Oh, K. J.; Kim, Y. C.; Lee, J. S.; Chang, Y. S.; Shetty, G. M.; Nha, K. W.	Open-wedge high tibial osteotomy versus unicompartmental knee arthroplasty: no difference in progression of patellofemoral joint arthritis	2017	irrelevant topic; medial vs lateral
Oikonomidis, L.; Santini, A. J. A.; Davidson, J. S.; Banks, J. V.; Phillipson, A.; Pope, J.	The Journey Bicruciate Knee Replacement: Design modifications Yield Better Early Functional Results and Reduce Complications	2020	irrelevant topic; journey I vs II modification
Okamoto, Y.; Otsuki, S.; Nakajima, M.; Jotoku, T.; Wakama, H.; Neo, M.	Sagittal Alignment of the Femoral Component and Patient Height Are Associated With Persisting Flexion Contracture After Primary Total Knee Arthroplasty	2019	irrelevant topic; varus deformities

Oosthuizen, C. R.; Van Der Straeten, C.; Maposa, I.; Snyckers, C. H.; Vermaak, D. P.; Magobotha, S.	The patient results and satisfaction of knee arthroplasty in a validated grading system	2019	irrelevant topic; TKA vs PKA
Oremus, K.; Sostaric, S.; Trkulja, V.; Haspl, M.	Influence of tranexamic acid on postoperative autologous blood retransfusion in primary total hip and knee arthroplasty: A randomized controlled trial	2014	75% TKA
Orpen, N. M.; Little, C.; Walker, G.; Crawfurd, E. J.	Tranexamic acid reduces early post-operative blood loss after total knee arthroplasty: a prospective randomised controlled trial of 29 patients	2006	<20 patients per group
Oshima, Y.; Majima, T.; Iizawa, N.; Hoshikawa, N.; Takahashi, K.; Takai, S.	The Influence of Posterior Cruciate Ligament Resection on Tibiofemoral Joint Gap in Varus Osteoarthritic Knees	2020	no comparison group
Overgaard, A.; Lidgren, L.; Sundberg, M.; Robertsson, O.; W. Dahl A	Patient-reported 1-year outcome not affected by body mass index in 3,327 total knee arthroplasty patients	2019	number of participants per group not specified
Ozcan, C.; Simsek, M. E.; Tahta, M.; Akkaya, M.; Gursoy, S.; Bozkurt, M.	Fixed-bearing unicompartmental knee arthroplasty tolerates higher variance in tibial implant rotation than mobile-bearing designs	2018	irrelevant topic; bearing design
Pailhe, R.; Cognault, J.; Massfelder, J.; Sharma, A.; Rouchy, R. C.; Rubens-Duval, B.; Saragaglia, D.	Comparative study of computer-assisted total knee arthroplasty after opening wedge osteotomy versus after unicompartmental arthroplasty	2016	irrelevant topic; revisions
Pancio, S. I.; Sousa, P. L.; Krych, A. J.; Abdel, M. P.; Levy, B. A.; Dahm, D. L.; Stuart, M. J.	Increased Risk of Revision, Reoperation, and Implant Constraint in TKA After Multiligament Knee Surgery	2017	irrelevant topic; Multiligament knee injuries
Pandit, H. G.; Campi, S.; Hamilton, T. W.; Dada, O. D.; Pollalis, S.; Jenkins, C.; Dodd, C. A. F.; Murray, D. W.	Five-year experience of cementless Oxford unicompartmental knee replacement	2017	no comparison group
Pandit, H.; Hamilton, T. W.; Jenkins, C.; Mellon, S. J.; Dodd, C. A.; Murray, D. W.	The clinical outcome of minimally invasive Phase 3 Oxford unicompartmental knee arthroplasty: a 15-year follow-up of 1000 UKAs	2015	no comparison group
Panzram, B.; Bertlich, I.; Reiner, T.; Walker, T.; Hagmann, S.; Gotterbarm, T.	Cementless Oxford medial unicompartmental knee replacement: an independent series with a 5-year-follow-up	2017	no comparison group
Panzram, B.; Mandery, M.; Reiner, T.; Gotterbarm, T.; Schiltenwolf, M.; Merle, C.	Cementless Oxford Medial Unicompartmental Knee Replacement-Clinical and Radiological Results of 228 Knees with a Minimum 2-Year Follow-Up	2020	no comparison group
Papadopoulos, E. C.; Parvizi, J.; Lai, C. H.; Lewallen, D. G.	Total knee arthroplasty following prior distal femoral fracture	2002	irrelevant topic; fractures before tka
Papp, M.; Zsakai, Z.; Gomori, A.	Comparison of total knee arthroplasty after combined high tibial osteotomy with a matched group of primary total knee arthroplasty	2019	no comparison group
Parente, A.; Legnani, C.; Bargagliotti, M.; Marullo, M.; Romagnoli, S.	Medial Unicompartmental Knee Arthroplasty After Failed Open-Wedge High Tibial Osteotomy	2021	irrelevant topic; UKA after HTO
Parisi, T. J.; Levy, D. L.; Dennis, D. A.; Harscher, C. A.; Kim, R. H.; Jennings, J. M.	Radiographic Changes in Nonoperative Contralateral Knee After Unilateral Total Knee Arthroplasty	2018	uneven groups
Park, B. H.; Leffler, J.; Franz, A.; Dunbar, N. J.; Banks, S. A.	Kinematics of monoblock bicompartamental knee arthroplasty during weight-bearing activities	2015	no comparison group
Park, H. J.; Chang, M. J.; Kim, T. W.; Chang, C. B.; Kang, K. S.; Kang, S. B.	Subchondral Bone Condition and Intraoperative Grading of Cartilage Degeneration Underneath Patella Unrelated to the Clinical Outcome after TKA with Unresurfaced Patella	2021	no comparison group
Parratte, S.; Ollivier, M.; Lunebourg, A.; Abdel, M. P.; Argenson, J. N.	Long-term results of compartmental arthroplasties of the knee: Long term results of partial knee arthroplasty	2015	review
Pearle, A. D.; Kendoff, D.; Stueber, V.; Musahl, V.; Repicci, J. A.	Perioperative management of unicompartmental knee arthroplasty using the MAKO robotic arm system (MAKOplasty)	2009	review
Pearle, A. D.; O'Loughlin, P. F.; Kendoff, D. O.	Robot-assisted unicompartmental knee arthroplasty	2010	case series
Pearle, A. D.; van der List, J. P.; Lee, L.; Coon, T. M.; Borus, T. A.; Roche, M. W.	Survivorship and patient satisfaction of robotic-assisted medial unicompartmental knee arthroplasty at a minimum two-year follow-up	2017	no comparison group
Pellegrini, C. A.; Song, J.; Semanik, P. A.; Chang, R. W.; Lee, J.; Gilbert, A. L.; Pinto, D.; Ehrlich-Jones, L.; Dunlop, D. D.	Patients Less Likely to Lose Weight Following a Knee Replacement: Results From the Osteoarthritis Initiative	2017	no comparison group

Peng, L.; Ren, L.; Qin, P.; Chen, J.; Feng, P.; Lin, H.; Su, M.	Continuous Femoral Nerve Block versus Intravenous Patient Controlled Analgesia for Knee Mobility and Long-Term Pain in Patients Receiving Total Knee Replacement: A Randomized Controlled Trial	2014	irrelevant topic; block vs PCA
Pereira, D. L.; Meleiro, H. L.; Correia, I. A.; Fonseca, S.	Pain after major elective orthopedic surgery of the lower limb and type of anesthesia: does it matter?	2016	<80% TKA
Petursson, G.; Fenstad, A. M.; Gothesen, O.; Haugan, K.; Dyrhovden, G. S.; Hallan, G.; Rohrl, S. M.; Aamodt, A.; Nilsson, K. G.; Furnes, O.	Similar migration in computer-assisted and conventional total knee arthroplasty: a multicenter, parallel-group, randomized controlled trial involving 54 patients	2016	Irrelevant outcome-doesn't involve information requested for PICO
Pietrantoni, P.; Cunat, T.; Nuevo-Gayoso, M.; Martin, N.; Tio, M.; Basora, M.; Sastre, S.; Sala-Blanch, X.	Ultrasound-guided genicular nerves block: an analgesic alternative to local infiltration analgesia for total knee arthroplasty: A noninferiority, matched cohort study	2021	irrelevant topic; LIA vs nerve block
Pinsornsak, P.; Nangnual, S.; Boontanapibul, K.	Multimodal infiltration of local anaesthetic in total knee arthroplasty; is posterior capsular infiltration worth the risk?	2017	both groups receive peri-articular infiltration
Pinsornsak, P.; Rojanavijitkul, S.; Chumchuen, S.	Peri-articular tranexamic acid injection in total knee arthroplasty: a randomized controlled trial	2016	peri-articular vs intra-articular
Pitta, M.; Khoshbin, A.; Lalani, A.; Lee, L. Y.; Woo, P.; Westrich, G. H.; Lyman, S.	Age-Related Functional Decline Following Total Knee Arthroplasty: Risk Adjustment is Mandatory	2019	no comparison group
Piuzzi, N. S.; Strnad, G. J.; Sakr Esa, W. A.; Barsoum, W. K.; Bloomfield, M. R.; Brooks, P. J.; Higuera-Rueda, C. A.; Joyce, M. J.; Kattan, M. W.; Klika, A. A.; Krebs, V.; Mesko, N. W.; Mont, M. A.; Murray, T. G.; Muschler, G. F.; Nickodem, R. J.; Patel, P. D.; Schaffer, J. L.; Spindler, K. P.; Stearns, K. L.; Suarez, J. C.; Zajicek, A.; Molloy, R. M.; Cleveland Clinic Orthopaedic Arthroplasty, Group	The Main Predictors of Length of Stay After Total Knee Arthroplasty: Patient-Related or Procedure-Related Risk Factors	2019	irrelevant topic; comparing 4 different hospitals, not discharge facilities
Pivec, R.; Issa, K.; Given, K.; Harwin, S. F.; Greene, K. A.; Hitt, K. D.; Shi, S.; Mont, M. A.	A prospective, longitudinal study of patient satisfaction following total knee arthroplasty using the Short-Form 36 (SF-36) survey stratified by various demographic and comorbid factors	2015	irrelevant topic; scoring systems
Plate, J. F.; Augart, M. A.; Seyler, T. M.; Bracey, D. N.; Hoggard, A.; Akbar, M.; Jinnah, R. H.; Poehling, G. G.	Obesity has no effect on outcomes following unicompartmental knee arthroplasty	2017	irrelevant topic; obesity outcomes
Polanco-Armenta, A. G.; Miguel-Perez, A.; Rivera-Villa, A. H.; Barrera-Garcia, M. I.; Sanchez-Prado, M. G.; Vazquez-Noya, A.; Vidal-Cervantes, F.; de Jesus Guerra-Jasso, J.; Perez-Atanasio, J. M.	Risk factors for amputation in periprosthetic knee infection	2017	irrelevant topic; amputated vs non-amputated
Polat, A. E.; Polat, B.; Gurpinar, T.; Peker, B.; Tuzuner, T.	Factors Affecting the Functional Outcome of Oxford Phase 3 Unicompartmental Knee Arthroplasty	2020	no comparison group
Pongcharoen, B.; Boontanapibul, K.	Outcomes of mobile bearing unicompartmental knee arthroplasty in medial osteoarthritis knee with and without preoperative genu recurvatum	2018	irrelevant topic; genu recurvatum
Pongcharoen, B.; Chanalithichai, N.	Clinical outcomes of patients with residual medial osteophytes following mobile bearing unicompartmental knee arthroplasty	2018	irrelevant topic; osteophytes
Pongcharoen, B.; Reutiwarangkoon, C.	The comparison of anterior knee pain in severe and non severe arthritis of the lateral facet of the patella following a mobile bearing unicompartmental knee arthroplasty	2016	irrelevant topic; OA severity
Ponizio, D. Y.; Chiu, Y. F.; Salvatore, A.; Lee, Y. Y.; Lyman, S.; Windsor, R. E.	An Analysis of the Influence of Physical Activity Level on Total Knee Arthroplasty Expectations, Satisfaction, and Outcomes: Increased Revision in Active Patients at Five to Ten Years	2018	irrelevant topic; physical activity vs inactivity
Pourgiezis, N.; Reddy, S. P.; Nankivell, M.; Morrison, G.; VanEssen, J.	Alignment and component position after patient-matched instrumentation versus conventional total knee arthroplasty	2016	not RCT
Powell, A. J.; Crua, E.; Chong, B. C.; Gordon, R.; McAuslan, A.; Pitt, R. P.; Clatworthy, M. G.	A randomized prospective study comparing mobile-bearing against fixed-bearing PFC Sigma cruciate-	2018	irrelevant topic; bearing design

	retaining total knee arthroplasties with ten-year minimum follow-up		
Pradeep, P.; Thiagarajan, U.; Loganathan, S.; Raghavendar, B.	The functional outcome of local infiltration of a periaricular cocktail of analgesics on post-operative pain in patients undergoing total knee arthroplasty	2020	no comparison group
Pritchett, J. W.	Bicruciate-retaining Total Knee Replacement Provides Satisfactory Function and Implant Survivorship at 23 Years	2015	no comparison group
Pronk, Y.; Peters, Mcwm; Brinkman, J. M.	Is Patient Satisfaction After Total Knee Arthroplasty Predictable Using Patient Characteristics and Preoperative Patient-Reported Outcomes?	2021	irrelevant topic; prediction models
Pua, Y. H.; Seah, F. J.; Clark, R. A.; Poon, C. L.; Tan, J. W.; Chong, H. C.	Development of a Prediction Model to Estimate the Risk of Walking Limitations in Patients with Total Knee Arthroplasty	2016	irrelevant topic; walking limitations vs no limitations
Pua, Y. H.; Seah, F. J.; Seet, F. J.; Tan, J. W.; Liaw, J. S.; Chong, H. C.	Sex Differences and Impact of Body Mass Index on the Time Course of Knee Range of Motion, Knee Strength, and Gait Speed After Total Knee Arthroplasty	2015	irrelevant topic; sex differences
Putnis, S. E.; Klasan, A.; Redgment, J. D.; Daniel, M. S.; Parker, D. A.; Coolican, M. R. J.	One-Stage Sequential Bilateral Total Knee Arthroplasty: An Effective Treatment for Advanced Bilateral Knee Osteoarthritis Providing High Patient Satisfaction	2020	irrelevant topic; unilateral vs bilateral
Qadir, I.; Shah, B.; Waqas, M.; Ahmad, U.; Javed, S.; Aziz, A.	Component Alignment in Simultaneous Bilateral versus Unilateral Total Knee Arthroplasty	2019	irrelevant topic; component alignment
Qi, A.; Lin, C.; Zhou, A.; Du, J.; Jia, X.; Sun, L.; Zhang, G.; Zhang, L.; Liu, M.	Negative emotions affect postoperative scores for evaluating functional knee recovery and quality of life after total knee replacement	2016	no comparison group
Qi, Y.; Tie, K.; Wang, H.; Pan, Z.; Zhao, X.; Chen, H.; Chen, L.	Perioperative comparison of blood loss and complications between simultaneous bilateral and unilateral total knee arthroplasty for knee osteoarthritis	2017	irrelevant topic; unilateral vs bilateral
Qin, J. Z.; Wang, S. J.; Zheng, X. P.; Zhao, H. H.; Lin, Y.; Shi, L.; Xia, C.	Comparison of hemocoagulase atrox versus tranexamic acid used in primary total knee arthroplasty: A randomized controlled trial	2020	irrelevant topic; hemocoagulase atrox versus tranexamic acid
Qiu, B.; Liu, F.; Tang, B.; Deng, B.; Liu, F.; Zhu, W.; Zhen, D.; Xue, M.; Zhang, M.	Clinical Study of 3D Imaging and 3D Printing Technique for Patient-Specific Instrumentation in Total Knee Arthroplasty	2017	<20 patients per group
Rajgopal, A.; Aggarwal, K.; Khurana, A.; Rao, A.; Vasdev, A.; Pandit, H.	Gait Parameters and Functional Outcomes After Total Knee Arthroplasty Using Persona Knee System With Cruciate Retaining and Ultracongruent Knee Inserts	2017	irrelevant topic; Cruciate Retaining vs Ultracongruent Knee Inserts
Rajgopal, A.; Aggarwal, K.; Kumar, S.	A Five-Year Comparative Functional and Clinical Evaluation of Two Contemporary Cruciate-Retaining Knee Implants	2020	irrelevant topic; nonmorphogenic knee vs morphogenic knee
Rakel, B. A.; Zimmerman, M. B.; Geasland, K.; Embree, J.; Clark, C. R.; Noiseux, N. O.; Callaghan, J. J.; Herr, K.; Walsh, D.; Sluka, K. A.	Transcutaneous electrical nerve stimulation for the control of pain during rehabilitation after total knee arthroplasty: a randomized, blinded, placebo-controlled trial	2014	irrelevant topic; TENS
Rathsach Andersen, M.; Winther, N.; Lind, T.; Schroder, H. M.; Petersen, M. M.	Bone remodeling of the proximal tibia after uncemented total knee arthroplasty: secondary endpoints analyzed from a randomized trial comparing monoblock and modular tibia trays-2 year follow-up of 53 cases	2019	irrelevant topic; uncemented TKA
Redish, M. H.; Fennema, P.	Good results with minimally invasive unicompartmental knee resurfacing after 10-year follow-up	2018	irrelevant topic; revisions
Reeves, R. A.; Hefter, G. D.; Pellegrini, V. D., Jr.; Drew, J. M.; Barfield, W. R.; Demos, H. A.	The Fate of Morbidly Obese Patients With Joint Pain: A Retrospective Study of Patient Outcomes	2021	irrelevant topic; morbid vs super morbidly obese patients
Reimann, P.; Brucker, M.; Arbab, D.; Luring, C.	Patient satisfaction - A comparison between patient-specific implants and conventional total knee arthroplasty	2019	not RCT
Riaz, O.; Aqil, A.; Sisodia, G.; Chakrabarty, G.	P.F.C Sigma® cruciate retaining fixed-bearing versus mobile-bearing knee arthroplasty: a prospective comparative study with minimum 10-year follow-up	2017	irrelevant topic; bearing type

Richards, M.; Dobransky, J. S.; Jane, A. A.; Dervin, G. F.	Evaluation of Safety and Medium-Term Functional Outcomes of a Medial Fixed-Bearing Unicompartmental Knee Arthroplasty with Ultra-Highly Cross-Linked Polyethylene	2020	irrelevant topic; UKA only
Riddle, D. L.; Perera, R. A.; Nay, W. T.; Dumenci, L.	What Is the Relationship Between Depressive Symptoms and Pain During Functional Tasks in Persons Undergoing TKA? A 6-year Perioperative Cohort Study	2015	no comparison group
Riviere, C.; Harman, C.; Leong, A.; Cobb, J.; Maillot, C.	Kinematic alignment technique for medial OXFORD UKA: An in-silico study	2019	irrelevant topic; simulation
Riviere, C.; Iranpour, F.; Harris, S.; Auvinet, E.; Aframian, A.; Parratte, S.; Cobb, J.	Differences in trochlear parameters between native and prosthetic kinematically or mechanically aligned knees	2018	irrelevant topic; simulation
Rizk, H.; Hosni, Y.; Abdeldayem, S.	Combined adductor canal and sciatic nerve block compared with local intraarticular infiltration analgesia for total knee arthroplasty: A prospective blinded randomized controlled study	2017	irrelevant topic; CNB vs LIA
Robertsson, O.; Thompson, O.; W-Dahl, A.; Sundberg, M.; Lidgren, L.; StefÁinsdÁttir, A.	Higher risk of revision for infection using systemic clindamycin prophylaxis than with cloxacillin: A report from the Swedish Knee Arthroplasty Register on 78,000 primary total knee arthroplasties for osteoarthritis	2017	irrelevant topic; systemic clindamycin prophylaxis vs cloxacillin
Robertsson, O.; W. Dahl A	The risk of revision after TKA is affected by previous HTO or UKA	2015	irrelevant topic; UKA to TKA revisions
Rodriguez-Merchan, E. C.	Unicompartmental Knee Osteoarthritis (UKOA): Unicompartmental Knee Arthroplasty (UKA) or High Tibial Osteotomy (HTO)?	2016	review
Rodriguez-Merchan, E. C.	Antibiotic-loaded bone cement in primary total knee arthroplasty: does it reduce the risk of periprosthetic joint infection?	2020	review
Romagnoli, S.; Marullo, M.	Mid-Term Clinical, Functional, and Radiographic Outcomes of 105 Gender-Specific Patellofemoral Arthroplasties, With or Without the Association of Medial Unicompartmental Knee Arthroplasty	2018	irrelevant topic; patellofemoral arthroplasty
Romagnoli, S.; Vitale, J. A.; Marullo, M.	Outcomes of lateral unicompartmental knee arthroplasty in post-traumatic osteoarthritis, a retrospective comparative study	2020	irrelevant topic; post traumatic OA
Rosas, S.; Tipton, S.; Luo, T. D.; Kerr, B. A.; Plate, J. F.; Willey, J. S.; Emory, C. L.	A History of Past Prostate Cancer Still Carries Risk After Total Knee Arthroplasty	2019	irrelevant topic; prostate cancer risk
Rosas, S.; Zuskov, A.; Luo, T. D.; Roche, M. W.; Emory, C. L.; Plate, J. F.	Gout As a Predictor of Total Knee Arthroplasty Outcomes and Costs	2020	irrelevant topic; gout
Rosso, F.; Cottino, U.; Olivero, M.; Bonasia, D. E.; Bruzzone, M.; Rossi, R.	Medium-term follow-up of 149 mobile-bearing total knee arthroplasties and evaluation of prognostic factors influencing outcomes	2018	irrelevant topic; No-progressive radiolucent line vs Progressive radiolucent line
Roth, J. S.; Buehler, K. C.; Shen, J.; Naughton, M.	Patient factors predict functional outcomes after cruciate retaining TKA: a 2-year follow-up analysis	2013	irrelevant topic; general health scores
Rudasill, S.; Dattilo, J. R.; Liu, J.; Clements, A.; Nelson, C. L.; Kamath, A. F.	Using Illness Rating Systems to Predict Discharge Location Following Total Knee Arthroplasty	2018	Irrelevant outcome-doesn't involve information requested for PICO
Ruiz, N.; Buisson, X.; Filippi, G.; Roulet, M.; Robert, H.	Ambulatory unicompartmental knee arthroplasty: Short outcome of 50 first cases	2018	no comparison group
Rytter, S.; Stilling, M.; Munk, S.; Hansen, T. B.	Methylprednisolone reduces pain and decreases knee swelling in the first 24 h after fast-track unicompartmental knee arthroplasty	2017	irrelevant topic; Methylprednisolone
Sabah, S. A.; Lim, C. T.; Middleton, R.; von Fritsch, L.; Bottomley, N.; Jackson, W. F. M.; Price, A. J.; Alvand, A.	Management of aseptic failure of the mobile-bearing Oxford unicompartmental knee arthroplasty	2020	irrelevant topic; revisions
Sakai, N.; Inoue, T.; Kunugiza, Y.; Tomita, T.; Mashimo, T.	Continuous femoral versus epidural block for attainment of 120° knee flexion after total knee arthroplasty: A randomized controlled trial	2013	irrelevant topic; epidural vs nerve block

Sakka, B. I.; Shiinoki, A.; Morikawa, L.; Mathews, K.; Andrews, S.; Nakasone, C.	Comparison of early post-operative complications following unilateral or single-stage bilateral unicompartmental knee arthroplasty	2020	irrelevant topic; unilateral vs bilateral
Sanders, T. L.; Pareek, A.; Barrett, I. J.; Kremers, H. M.; Bryan, A. J.; Stuart, M. J.; Levy, B. A.; Krych, A. J.	Incidence and long-term follow-up of isolated posterior cruciate ligament tears	2017	no comparison group
Sa-Ngasongsong, P.; Wongsak, S.; Kulachote, N.; Chanplakorn, P.; Woratanarat, P.; Kawinwonggowit, V.	Predicting Factors for Allogeneic Blood Transfusion and Excessive Postoperative Blood Loss after Single Low-Dosage Intra-Articular Tranexamic Acid Application in Total Knee Replacement	2017	irrelevant topic; blood transfusions
Sanz-Ruiz, P.; Matas-Diez, J. A.; Carbo-Laso, E.; Perez-Mananes, R.; Vaquero-Martin, J.	Patient-Specific Instrument Can Improve Functional and Radiographic Results during Learning Curve for Oxford Unicompartmental Knee Arthroplasty	2019	not RCT
Sappey-Marinier, E.; de Abreu, F. G. A.; O'Loughlin, P.; Gaillard, R.; Neyret, P.; Lustig, S.; Servien, E.	No difference in patellar position between mobile-bearing and fixed-bearing total knee arthroplasty for medial osteoarthritis: a prospective randomized study	2020	irrelevant topic; bearing type
Sappey-Marinier, E.; Swan, J.; Maucort-Boulch, D.; Batailler, C.; Malatray, M.; Neyret, P.; Lustig, S.; Servien, E.	No significant clinical and radiological differences between fixed versus mobile bearing total knee replacement using the same semi-constrained implant type: a randomized controlled trial with mean 10 years follow-up	2020	irrelevant topic; bearing type
Saragaglia, D.; Bevand, A.; Refaie, R.; Rubens-Duval, B.; Pailhe, R.	Results with nine years mean follow up on one hundred and three KAPS R uni knee arthroplasties: eighty six medial and seventeen lateral	2018	irrelevant topic; implant type
Saragaglia, D.; Sigwalt, L.; Gaillot, J.; Morin, V.; Rubens-Duval, B.; Pailhe, R.	Results with eight and a half years average follow-up on two hundred and eight e-Motion FP R knee prostheses, fitted using computer navigation for knee osteoarthritis in patients with over ten degrees genu varum	2018	no comparison group
Sartawi, M. M.; Rahman, H.; Kohlmann, J. M.; Levine, B. R.	First Reported Series of Outpatient Total Knee Arthroplasty in the Middle East	2020	all participants have the same post-op therapy
Savov, P.; Mielke, E.; Windhagen, H.; Calliess, T.; Richter, A.; Ettinger, M.	Higher revision rate for posterior cruciate-retaining than posterior-stabilized total knee arthroplasty for the treatment of valgus osteoarthritis	2020	irrelevant topic; valgus deformities
Schilcher, J.; Palm, L.; Ivarsson, I.; Aspenberg, P.	Local bisphosphonate reduces migration and formation of radiolucent lines adjacent to cemented acetabular components	2017	irrelevant topic; saline vs bisphosphonate
Schmidt, A.; Barnavon, T.; Lording, T.; Sappey-Marinier, E.; Batailler, C.; Servien, E.; Lustig, S.	Lateral unicompartmental knee arthroplasty is a safe procedure for post-traumatic osteoarthritis after lateral tibial plateau fracture: a case-control study at 10-year follow-up	2020	irrelevant topic; post traumatic UKA
Schoenmakers, D. A. L.; Schotanus, M. G. M.; Boonen, B.; Kort, N. P.	Consistency in patient-reported outcome measures after total knee arthroplasty using patient-specific instrumentation: a 5-year follow-up of 200 consecutive cases	2018	not RCT
Schotanus, M. G.; Sollie, R.; van Haaren, E. H.; Hendrickx, R. P.; Jansen, E. J.; Kort, N. P.	A radiological analysis of the difference between MRI- and CT-based patient-specific matched guides for total knee arthroplasty from the same manufacturer: a randomised controlled trial	2016	Does not contain Conventional Instrumentation control group
Schraknepper, J.; Dimitriou, D.; Helmy, N.; Hasler, J.; Radzanowski, S.; Flury, A.	Influence of patient selection, component positioning and surgeon's caseload on the outcome of unicompartmental knee arthroplasty	2020	irrelevant topic; UKA only
Scott, C. E. H.; Bell, K. R.; Ng, R. T.; MacDonald, D. J.; Patton, J. T.; Burnett, R.	Excellent 10-year patient-reported outcomes and survival in a single-radius, cruciate-retaining total knee arthroplasty	2019	no comparison group
Scott, C. E. H.; Clement, N. D.; Yapp, L. Z.; MacDonald, D. J.; Patton, J. T.; Burnett, R.	Association Between Femoral Component Sagittal Positioning and Anterior Knee Pain in Total Knee Arthroplasty: A 10-Year Case-Control Follow-up Study of a Cruciate-Retaining Single-Radius Design	2019	no comparison group
Scott, C. E. H.; Powell-Bowns, M. F. R.; MacDonald, D. J.; Simpson, P. M.; Wade, F. A.	Revision of Unicompartmental to Total Knee Arthroplasty: Does the Unicompartmental Implant (Metal-Backed vs All-Polyethylene) Impact the Total Knee Arthroplasty?	2018	irrelevant topic; revisions
Scott, C. E. H.; Turnbull, G. S.; MacDonald, D.; Breusch, S. J.	Activity levels and return to work following total knee arthroplasty in patients under 65 years of age	2017	no comparison group

Scott, R. D.; Santore, R. F.	Unicondylar unicompartmental replacement for osteoarthritis of the knee	1981	<1995
Sculco, P.; Gruskay, J.; Nodzo, S.; Carroll, K.; Shanaghan, K.; Haas, S.; Gonzalez Della Valle, A.	The Role of the Tourniquet and Patella Position on the Compartmental Loads During Sensor-Assisted Total Knee Arthroplasty	2018	irrelevant topic; patella position during TKA
Seagrave, K. G.; Lewin, A. M.; Harris, I. A.; Badge, H.; Naylor, J.	Association between pre-operative anxiety and/or depression and outcomes following total hip or knee arthroplasty	2021	irrelevant topic; post op TKA/THA
Sekiguchi, K.; Nakamura, S.; Kuriyama, S.; Nishitani, K.; Ito, H.; Tanaka, Y.; Watanabe, M.; Matsuda, S.	Effect of tibial component alignment on knee kinematics and ligament tension in medial unicompartmental knee arthroplasty	2019	irrelevant topic; component alignment
Selker, H. P.; Daudelin, D. H.; Ruthazer, R.; Kwong, M.; Lorenzana, R. C.; Hannon, D. J.; Wong, J. B.; Kent, D. M.; Terrin, N.; Moreno-Koehler, A. D.; McAlindon, T. E.	The use of patient-specific equipoise to support shared decision-making for clinical care and enrollment into clinical trials	2019	irrelevant topic; prediction models
Sen, B.; Engin, O.; Ellidokuz, H.; Eken, M.; Tatari, H.; Akalin, E.	The association between chronic pain and central sensitization following total knee replacement: A retrospective cohort study	2020	irrelevant topic; chronic pain and central sensitization
Seo, J. G.; Kim, S. M.; Shin, J. M.; Kim, Y.; Lee, B. H.	Safety of simultaneous bilateral total knee arthroplasty using an extramedullary referencing system: results from 2098 consecutive patients	2016	no comparison group
Seo, J. G.; Lee, B. H.; Moon, Y. W.; Chang, M. J.; Park, S. H.	Disparate postoperative results in the first and second knees on simultaneous bilateral total knee arthroplasty	2014	no comparison group
Seo, S. S.; Kim, C. W.; Lee, C. R.; Kwon, Y. U.; Oh, M.; Kim, O. G.; Kim, C. K.	Long-term outcomes of unicompartmental knee arthroplasty in patients requiring high flexion: an average 10-year follow-up study	2019	irrelevant topic; bearing design
Seo, S. S.; Kim, C. W.; Lee, C. R.; Park, D. H.; Kwon, Y. U.; Jung, D.; Kim, D. S.	Clinical outcomes of two-stage total knee arthroplasty using articulating cement spacer in patients with infected arthritic knee: A comparison with arthroscopic surgery	2020	irrelevant topic; arthroscopy
Seo, S. S.; Kim, C. W.; Lee, C. R.; Seo, J. H.; Kim, D. H.; Kim, O. G.; Min, Y. K.	Does final component alignment correlate with alignment of the bone resection surfaces in cemented total knee arthroplasty?	2018	no comparison group
Seo, S. S.; Kim, O. G.; Seo, J. H.; Kim, D. H.; Kim, Y. G.; Park, B. Y.	Comparison of the effect of continuous femoral nerve block and adductor canal block after primary total knee arthroplasty	2017	<20 patients per group
Sephton, B. M.; Bakhshayesh, P.; Edwards, T. C.; Ali, A.; Kumar Singh, V.; Nathwani, D.	Predictors of extended length of stay after unicompartmental knee arthroplasty	2020	irrelevant topic; predicting factors
Seth, A.; Dobransky, J.; Alibshi, W.; Dervin, G. F.	Mid-Term Evaluation of the Unicompartmental Knee Arthroplasty in Patients with BMI of 40 or Greater	2019	no comparison group for outcomes of interest
Sever, G. B.; Cankus, C.	The long-term results of cemented Oxford unicompartmental knee arthroplasty: A single-center experience	2019	no comparison group
Severson, E. P.; Mariani, E. M.; Bourne, M. H.	Bilateral total knee arthroplasty in patients 70 years and older	2009	irrelevant topic; age differences in TKA
Sezgin, E. A.; W. Dahl A; Lidgren, L.; Robertsson, O.	Weight and height separated provide better understanding than BMI on the risk of revision after total knee arthroplasty: report of 107,228 primary total knee arthroplasties from the Swedish Knee Arthroplasty Register 2009-2017	2020	irrelevant topic; revisions and height and weight
Shah, M. R.; Patel, J. P.; Patel, C. R.	Optimal Flexion for the Femoral Component in TKR: A Study of Angle Between Mechanical Axis and Distal Anatomic Intramedullary Axis Using 3D Reconstructed CT Scans in 407 Osteoarthritic Knees Studied in India	2020	irrelevant topic; angles between implant components
Sharma, S.; Kumar, V.; Sood, M.; Malhotra, R.	Effect of Preoperative Modifiable Psychological and Behavioural Factors on Early Outcome Following Total Knee Arthroplasty in an Indian Population	2021	irrelevant topic; no comparison group
Shelton, T. J.; Gill, M.; Athwal, G.; Howell, S. M.; Hull, M. L.	Revision of a Medial UKA to a Kinematic Aligned TKA: Comparison of Operative Complexity, Postoperative Alignment, and Outcome Scores to a Primary TKA	2019	irrelevant topic; revisions

Shelton, T. J.; Howell, S. M.; Hull, M. L.	Is There a Force Target That Predicts Early Patient-reported Outcomes After Kinematically Aligned TKA?	2019	irrelevant topic; alignment methods
Shim, J.; McLernon, D. J.; Hamilton, D.; Simpson, H. A.; Beasley, M.; Macfarlane, G. J.	Development of a clinical risk score for pain and function following total knee arthroplasty: results from the TRIO study	2018	irrelevant topic; prediction models
Shiwaku, K.; Teramoto, A.; Nuka, S.; Matsumura, T.; Watanabe, K.; Yamashita, T.	Varus kinematics at knee flexion affect clinical outcomes of unicompartmental knee arthroplasty: Intraoperative navigation-based kinematics evaluation	2020	irrelevant topic; varus vs normal knee
Shriram, K.; Govindaraj, A. B.; Vivek, A. N.; VijayKumar, S.; Anand, M.	Functional outcome of single stage bilateral total knee replacement measured using oxford knee score	2019	no comparison group
Siddiq, K.; Ali, W.; Haider, M. I.; Hameed, M. H.; Iqbal, M.; Riaz, M. S.	Outcome of midvastus versus subvastus approach in single stage bilateral total knee arthroplasty	2021	irrelevant topic; surgical approach
Siebert, W.; Mai, S.; Kober, R.; Heeckt, P. F.	Technique and first clinical results of robot-assisted total knee replacement	2002	review
Simonsen, O. H.; Gorst-Rasmussen, A.; Simonsen, A. B.; Jorgensen, M. B.; Rathleff, M. S.; Lundbye-Christensen, S.	Blood reinfusion combined with femoral nerve block in total knee replacement for patients with increased risk of bleeding	2011	<20 patients per group
Singh Sidhu, G. A.; Marya, S. K. S.; Singh, C.; Kacker, S.; Singh, S.	Efficacy of topical versus intravenous tranexamic acid in bilateral total knee arthroplasty	2021	No control group without TXA
Singh, J. A.; Cleveland, J. D.	Total knee arthroplasty outcomes in lupus: a study using the US National Inpatient Sample	2019	irrelevant topic; lupus
Singh, J. A.; Cleveland, J. D.	Systemic sclerosis is associated with knee arthroplasty outcomes: a National US study	2020	irrelevant topic; systemic sclerosis
Singh, J. A.; Kallan, M. J.; Chen, Y.; Parks, M. L.; Ibrahim, S. A.	Association of Race/Ethnicity With Hospital Discharge Disposition After Elective Total Knee Arthroplasty	2019	irrelevant topic; racial differences
Singh, J. A.; Lewallen, D. G.	Predictors of use of pain medications for persistent knee pain after primary Total Knee Arthroplasty: A cohort study using an institutional joint registry	2012	irrelevant topic; post op TKA pain management
Singh, V.; Lygrisse, K. A.; Macaulay, W.; Slover, J. D.; Schwarzkopf, R.; Long, W. J.	Comparative Analysis of Outcomes in Medicare-Eligible Patients with a Hospital Stay Less than Two-Midnights versus Longer Length of Stay following Total Knee Arthroplasty: Implications for Inpatient-Outpatient Designation	2021	Irrelevant topic; Post op TKA hospital LOS
Siviero, P.; Marseglia, A.; Biz, C.; Rovini, A.; Ruggieri, P.; Nardacchione, R.; Maggi, S.	Quality of life outcomes in patients undergoing knee replacement surgery: longitudinal findings from the QPro-Gin study	2020	no comparison group
Skogo Nyvang, J.; Hedstrom, M.; Iversen, M. D.; Andreassen Gleissman, S.	Striving for a silent knee: a qualitative study of patients' experiences with knee replacement surgery and their perceptions of fulfilled expectations	2019	<20 patients per group
Skrejborg, P.; Petersen, K. K.; Kold, S.; Kappel, A.; Pedersen, C.; Ostgaard, S. E.; Simonsen, O.; Arendt-Nielsen, L.	Presurgical Comorbidities as Risk Factors For Chronic Postsurgical Pain Following Total Knee Replacement	2019	irrelevant topic; groups by pain intensity
Slaven, S. E.; Cody, J. P.; Sershon, R. A.; Ho, H.; Hopper, R. H., Jr.; Fricka, K. B.	The Impact of Coronal Alignment on Revision in Medial Fixed-Bearing Unicompartmental Knee Arthroplasty	2020	irrelevant topic; bearing type
Smith, S.; Naima, V. S.; Freeman, M. A.	The natural history of tibial radiolucent lines in a proximally cemented stemmed total knee arthroplasty	1999	no comparison group
Smith, W. A.; Zucker-Levin, A.; Mihalko, W. M.; Williams, M.; Loftin, M.; Gurney, J. G.	Physical Function and Physical Activity in Obese Adults After Total Knee Arthroplasty	2017	irrelevant topic; physical activity levels
Sodhi, N.; Moore, T.; Vakharia, R. M.; Leung, P.; Seyler, T. M.; Roche, M. W.; Mont, M. A.	Fibromyalgia Increases the Risk of Surgical Complications Following Total Knee Arthroplasty: A Nationwide Database Study	2019	irrelevant topic; Fibromyalgia
Somford, M. P.; Brouwer, R. W.; Haen, P. W.; van Raay, J. J.; van Raaij, T. M.	Technical aspects of revision and functional outcome after revision of the Oxford unicompartmental knee arthroplasty	2016	no comparison group
Song, E. K.; N, M.; Lee, S. H.; Na, B. R.; Seon, J. K.	Comparison of Outcome and Survival After Unicompartmental Knee Arthroplasty Between Navigation and Conventional Techniques With an Average 9-Year Follow-Up	2016	not RCT
Song, E. K.; Park, J. K.; Park, C. H.; Kim, M. C.; Agrawal, P. R.; Seon, J. K.	No difference in anterior knee pain after medial unicompartmental knee arthroplasty in patients with or without patellofemoral osteoarthritis	2016	irrelevant topic; patellofemoral arthroplasty

Song, K.; Xu, Z.; Rong, Z.; Yang, X.; Yao, Y.; Shen, Y.; Shi, D.; Chen, D.; Zheng, M.; Jiang, Q.	The incidence of venous thromboembolism following total knee arthroplasty: A prospective study by using computed tomographic pulmonary angiography in combination with bilateral lower limb venography	2016	irrelevant topic; incidence of venous thromboembolism
Song, S. J.; Lee, H. W.; Park, C. H.	A Current Prosthesis With a 1-mm Thickness Increment for Polyethylene Insert Could Result in Fewer Adjustments of Posterior Tibial Slope in Cruciate-Retaining Total Knee Arthroplasty	2020	irrelevant topic; tibial slope
Song, S. J.; Lee, J. W.; Bae, D. K.; Park, C. H.	Long-term outcomes were similar between hybrid and cemented TKAs performed on paired knees at a minimum 15Â years of follow-up	2021	no comparison group
Soni, A.; Saini, R.; Gulati, A.; Paul, R.; Bhatty, S.; Rajoli, S. R.	Comparison Between Intravenous and Intra-articular Regimens of Tranexamic Acid in Reducing Blood Loss During Total Knee Arthroplasty	2014	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Sood, C.; Yasin, S.	Custom-made 3D printed patient specific guides (PSG) improves component axial alignment in total knee arthroplasty (TKA)	2021	irrelevant topic; Prospective Study, RCT required for PICO
Spanyer, J.; Patel, J.; Emberton, E.; Smith, L. S.; Malkani, A. L.	Topical Tranexamic Acid in Total Knee Arthroplasty Patients with Increased Thromboembolic Risk	2017	irrelevant topic; thrombosis risk
Stake, S.; Fassihii, S.; Gioia, C.; Gu, A.; Agarwal, A.; Akman, A.; Sparks, A.; Argintar, E.	Kinematic versus mechanically aligned total knee arthroplasty: no difference in frequency of arthroscopic lysis of adhesions for arthrosis	2020	confounding variables; KA vs MA and PT specific tech vs non
Stamatopoulos, A.; Stamatopoulos, T.; Kenanidis, E.; Potoupnis, M.; Sayegh, F.; Tsiridis, E.	Intravenous and intraarticular tranexamic acid plus epinephrine for the management of blood loss after cemented total knee arthroplasty: a case-control study	2018	irrelevant topic; combined drug treatment vs control
Statz, J. M.; Ledford, C. K.; Chalmers, B. P.; Taunton, M. J.; Mabry, T. M.; Trousdale, R. T.	Geniculate Artery Injury During Primary Total Knee Arthroplasty	2018	irrelevant topic; tourniquet vs selective tourniquet use
Steinert, A. F.; Beckmann, J.; Holzapfel, B. M.; Rudert, M.; Arnholdt, J.	Bicompartamental individualized knee replacement : Use of patient-specific implants and instruments (iDuo TM)	2017	review
Stempin, R.; Stempin, K.; Kaczmarek, W.	Medium-term outcome of cementless, mobile-bearing, unicompartmental knee arthroplasty	2019	no comparison group
Stempin, R.; Stempin, K.; Kaczmarek, W.; Dutka, J.	Midterm Results of Cementless Total Knee Arthroplasty: A Retrospective Case Series	2018	no comparison group
Stetzelberger, V.; Obertacke, U.; Jawhar, A.	Tourniquet application during TKA did not affect the accuracy of implant positioning: a randomized clinical trial	2018	Irrelevant outcome-anatomical measurement not requested in PICO
Storey, R.; Frampton, C.; Kieser, D.; Ailabouni, R.; Hooper, G.	Does Orthopaedic Training Compromise the Outcome in Knee Joint Arthroplasty?	2018	irrelevant topic; surgeon experience
Streit, M. R.; Streit, J.; Walker, T.; Bruckner, T.; Philippe Kretzer, J.; Ewerbeck, V.; Merle, C.; Aldinger, P. R.; Gotterbarm, T.	Minimally invasive Oxford medial unicompartmental knee arthroplasty in young patients	2017	no comparison group
Stryker, L. S.; Odum, S. M.; Springer, B. D.; Fehring, T. K.	Role of Patellofemoral Offset in Total Knee Arthroplasty: A Randomized Trial	2017	irrelevant topic; patellar resurface methods
Suleiman, L. I.; Edelstein, A. I.; Thompson, R. M.; Alvi, H. M.; Kwasny, M. J.; Manning, D. W.	Perioperative Outcomes Following Unilateral Versus Bilateral Total Knee Arthroplasty	2015	irrelevant topic; unilateral vs bilateral
Suzuki, T.; Ryu, K.; Kojima, K.; Oikawa, H.; Saito, S.; Nagaoka, M.	The Effect of Posterior Tibial Slope on Joint Gap and Range of Knee Motion in Mobile-Bearing Unicompartmental Knee Arthroplasty	2019	irrelevant topic; tibial slope
Tadros, B. J.; Dabis, J.; Twyman, R.	Short-term outcome of unicompartmental knee arthroplasty in the octogenarian population	2018	irrelevant topic; age differences
Takashima, Y.; Takayama, K.; Ishida, K.; Muratsu, H.; Matsushita, T.; Niikura, T.; Kuroda, R.; Matsumoto, T.	Comparison of intraoperative soft tissue balance measurement between two tensor systems in total knee arthroplasty	2020	irrelevant topic; tensor systems

Takayama, K.; Ishida, K.; Muratsu, H.; Kuroda, Y.; Tsubosaka, M.; Hashimoto, S.; Hayashi, S.; Matsushita, T.; Niikura, T.; Kuroda, R.; Matsumoto, T.	The medial tibial joint line elevation over 5 mm restrained the improvement of knee extension angle in unicompartmental knee arthroplasty	2018	irrelevant topic; knee flexion after TKA
Takayama, K.; Matsumoto, T.; Muratsu, H.; Ishida, K.; Araki, D.; Matsushita, T.; Kuroda, R.; Kurosaka, M.	The influence of posterior tibial slope changes on joint gap and range of motion in unicompartmental knee arthroplasty	2016	irrelevant topic; tibial slope
Tammachote, N.; Panichkul, P.; Kanitnate, S.	Comparison of Customized Cutting Block and Conventional Cutting Instrument in Total Knee Arthroplasty: a Randomized Controlled Trial	2018	irrelevant topic; cutting blocks
Tan, M. W. P.; Ng, S. W. L.; Chen, J. Y.; Liow, M. H. L.; Lo, N. N.; Yeo, S. J.	Long-Term Functional Outcomes and Quality of Life at Minimum 10-Year Follow-Up After Fixed-Bearing Unicompartmental Knee Arthroplasty and Total Knee Arthroplasty for Isolated Medial Compartment Osteoarthritis	2020	uneven groups
Tanaka, N.; Sakahashi, H.; Sato, E.; Hirose, K.; Ishima, T.; Ishii, S.	Timing of the administration of tranexamic acid for maximum reduction in blood loss in arthroplasty of the knee	2001	irrelevant topic; tx timing
Tandogan, R. N.; Polat, M.; Beyzadeoglu, T.; Karabulut, E.; Yildirim, K.; Kayaalp, A.	Topical co-delivery of platelet rich fibrin and tranexamic acid does not decrease blood loss in primary total knee arthroplasty compared to the standard of care: a prospective, randomized, controlled trial	2021	No control group without TXA
Tang, H.; Chen, H.; Yang, D.; Jiang, Y.; Zhang, C.; Zhou, Y.	Distinctions of intraarticular force distribution between genesis-II posterior stabilized and cruciate retaining total knee arthroplasty: An intraoperative comparative study of 45 patients	2017	irrelevant topic; medial vs lateral
Tapasvi, S. R.; Shekhar, A.; Patil, S. S.; Dipane, M. V.; Chowdhry, M.; McPherson, E. J.	Comparison of Gap Balancing vs Measured Resection Technique in Patients Undergoing Simultaneous Bilateral Total Knee Arthroplasty: One Technique per Knee	2020	irrelevant topic; gap balancing
Tay, A. Y. W.; Thever, Y.; Bin Abd Razak, H. R.; Hao, Y.; Tan, A. H. C.	Routine Preoperative Group Crossmatching and Postoperative Check Hemoglobin Is not Necessary in Patients Undergoing Total Knee Arthroplasty	2020	irrelevant topic; hemoglobin check prior to surgery
Tay, K. S.; Cher, E. W. L.; Zhang, K.; Tan, S. B.; Howe, T. S.; Koh, J. S. B.	Comorbidities Have a Greater Impact Than Age Alone in the Outcomes of Octogenarian Total Knee Arthroplasty	2017	irrelevant topic; age differences in TKA
Tekin, S. B.; Arpaciglu, M. Ä—	Comparison of the clinical and radiological results of posterior cruciate ligament-retaining and posterior cruciate ligament-stabilized knee arthroplasties	2021	irrelevant topic; OA/RA
Terradas-Monllor, M.; Ochandorena-Acha, M.; Salinas-Chesa, J.; Ramirez, S.; Beltran-Alacreu, H.	Assessment of postoperative health functioning after knee arthroplasty in relation to pain catastrophizing: a 6-month follow-up cohort study	2020	irrelevant topic; physiotherapy
Tew, M.; Dowsey, M. M.; Choong, A.; Choong, P. F.; Clarke, P.	Co-morbidities and sex differences in long-term quality-of-life outcomes among patients with and without diabetes after total knee replacement: Five-year data from registry study	2020	irrelevant topic; patient demographics
Thein, R.; Zuiderbaan, H. A.; Khamaisy, S.; Nawabi, D. H.; Poulsides, L. A.; Pearle, A. D.	Medial Unicondylar Knee Arthroplasty Improves Patellofemoral Congruence: a Possible Mechanistic Explanation for Poor Association Between Patellofemoral Degeneration and Clinical Outcome	2015	no comparison group
Theodosiadis, P.; Sachinis, N.; Goroszeniuk, T.; Grosomanidis, V.; Chalidis, B.	Ropivacaine versus bupivacaine for 3-in-1 block during total knee arthroplasty	2013	irrelevant topic; bupivacaine vs ropivacaine
Thiengwittayaporn, S.; Tangtrakul, P.; Hongku, N.; Tunyasuwanakul, R.	Patellar Denervation Reduces Postoperative Anterior Knee Pain After Patellar Resurfacing Total Knee Arthroplasty: A Randomized Controlled Trial	2021	irrelevant topic; patellar denervation
Thienpont, E.; Grosu, I.; Paternostre, F.; Schwab, P. E.; Yombi, J. C.	The use of patient-specific instruments does not reduce blood loss during minimally invasive total knee arthroplasty?	2015	not RCT
Thijs, E.; Theeuwen, D.; Boonen, B.; van Haaren, E.; Hendrickx, R.; Vos, R.; Borghans, R.; Kort, N.; Schotanus, M. G. M.	Comparable clinical outcome and implant longevity after CT- or MRI-based patient-specific instruments for total knee arthroplasty: a 2-year follow-up of a RCT	2020	Does not contain Conventional Instrumentation control group

Thilak, J.; Thadi, M.; Mane, P. P.; Sharma, A.; Mohan, V.; Babu, B. C.	Accuracy of tibial component positioning in the robotic arm assisted versus conventional unicompartmental knee arthroplasty	2020	irrelevant topic; joint angles
Thiyagarajan, U.; Loganathan, S.; Raghavendar, P.; Pradeep, P.	The role of tranexamic acid in reducing the need for intraoperative and postoperative blood transfusion in patients undergoing arthroplasty for osteoarthritis	2021	No control group without TXA
Thompson, K.; Griffiths-Jones, W.; Frendin, L.; Wood, J.; Harris, I. A.; Chen, D. B.; MacDessi, S. J.	Interobserver agreement of sensor-derived compartmental pressure measurements in computer-assisted total knee arthroplasty	2020	irrelevant topic; interobserver agreement
Thorsteinsson, H.; Hedstrom, M.; Robertsson, O.; Lundin, N.; W. Dahl A	Manipulation under anesthesia after primary knee arthroplasty in Sweden: incidence, patient characteristics and risk of revision	2019	irrelevant topic; Manipulation under Anesthesia
Tian, S.; Liu, J.; Yuan, W.; Wang, Y.; Ha, C.; Liu, L.; Li, Q.; Yang, X.; Sun, K.	Minimally invasive unicompartmental knee replacement: Midterm clinical outcome	2017	irrelevant topic; UKA only
Tjornild, M.; Soballe, K.; Moller Hansen, P.; Holm, C.; Stilling, M.	Mobile-vs. Fixed-bearing total knee replacement: a randomized radiostereometric and bone mineral density study	2015	irrelevant topic; bearing type
Tohidi, M.; Brogley, S. B.; Lajkosz, K.; Grant, H. J.; VanDenKerkhof, E. G.; Campbell, A. R.	Ten-Year Mortality and Revision After Total Knee Arthroplasty in Morbidly Obese Patients	2018	BMI not of interest
Tomita, M.; Motokawa, S.	Effects of air tourniquet on the antibiotics concentration, in bone marrow, injected just before the start of operation	2007	<20 patients per group; RA patients
Torkaman, A.; Rostami, A.; Sarshar, M. R.; Aghdam, H. A.; Motaghi, P.; Yazdi, H.	The efficacy of intravenous versus topical use of tranexamic acid in reducing blood loss after primary total knee arthroplasty: A randomized clinical trial	2020	irrelevant topic; TXA vs TXA
Touzopoulos, P.; Drosos, G. I.; Ververidis, A.; Kazakos, K.	Constrained Implants in Total Knee Replacement	2015	review
Townsend, L. A.; Roubion, R. C.; Bourgeois, D. M.; Leonardi, C.; Fox, R. S.; Dasa, V.; Pollock, G. R.	Impact of Age on Patient-Reported Outcome Measures in Total Knee Arthroplasty	2018	irrelevant topic; age differences in TKA
Toyooka, S.; Leeyaphan, J.; Masuda, H.; Nishihara, N.; Miyamoto, W.; Kawano, H.; Nakagawa, T.	Radiographical post-operative flexion gap balance was improved using a modified gap-balancing technique in navigation-assisted total knee arthroplasty	2020	irrelevant topic; gap balancing
Toyooka, S.; Masuda, H.; Nishihara, N.; Miyamoto, W.; Kobayashi, T.; Kawano, H.; Nakagawa, T.	Assessing the Role of Minimal Medial Tissue Release during Navigation-Assisted Varus Total Knee Arthroplasty Based on the Degree of Preoperative Varus Deformity	2021	irrelevant topic; not RCT
Tsai, T. Y.; Liow, M. H. L.; Li, G.; Arauz, P.; Peng, Y.; Klemt, C.; Kwon, Y. M.	Bi-Cruciate Retaining Total Knee Arthroplasty Does Not Restore Native Tibiofemoral Articular Contact Kinematics During Gait	2019	<20 patients per group
Tsai, Y. S.; Kung, P. T.; Ku, M. C.; Wang, Y. H.; Tsai, W. C.	Effects of pay for performance on risk incidence of infection and of revision after total knee arthroplasty in type 2 diabetic patients: A nationwide matched cohort study	2018	irrelevant topic; pay for performance vs no pay for performance
Tsubosaka, M.; Muratsu, H.; Takayama, K.; Miya, H.; Kuroda, R.; Matsumoto, T.	Comparison of Intraoperative Soft Tissue Balance Between Cruciate-Retaining and Posterior-Stabilized Total Knee Arthroplasty Performed by a Newly Developed Medial Preserving Gap Technique	2018	irrelevant topic; joint gaps
Tsukada, S.; Kurosaka, K.; Nishino, M.; Maeda, T.; Yonekawa, Y.; Hirasawa, N.	Intra-articular tranexamic acid as an adjunct to intravenous tranexamic acid for simultaneous bilateral total knee arthroplasty: a randomized double-blind, placebo-controlled trial	2019	irrelevant topic; different dosage/administration techniques
Tu, Y.; Xue, H.; Ma, T.; Wen, T.; Yang, T.; Zhang, H.; Cai, M.	Superior femoral component alignment can be achieved with Oxford microplasty instrumentation after minimally invasive unicompartmental knee arthroplasty	2017	irrelevant topic; conventional vs minimally invasive
Tuecking, L. R.; Savov, P.; Richter, T.; Windhagen, H.; Ettinger, M.	Clinical validation and accuracy testing of a radiographic decision aid for unicondylar knee arthroplasty patient selection in midterm follow-up	2020	no comparison group
Turgeon, T. R.; Gascoyne, T. C.; Laende, E. K.; Dunbar, M. J.; Bohm, E. R.; Richardson, C. G.	The assessment of the stability of the tibial component of a novel knee arthroplasty system using radiostereometric analysis	2018	no comparison group
Tyagi, V.; Farooq, M.	Unicompartmental Knee Arthroplasty: Indications, Outcomes, and Complications	2017	review

Tzatzairis, T.; Drosos, G. I.; Vogiatzaki, T.; Tilkeridis, K.; Ververidis, A.; Kazakos, K.	Multiple intravenous tranexamic acid doses in total knee arthroplasty without tourniquet: a randomized controlled study	2019	irrelevant topic; tx dosage
Ueno, M.; Sonohata, M.; Fukumori, N.; Kawano, S.; Kitajima, M.; Mawatari, M.	Comparison between topical and intravenous administration of tranexamic acid in primary total hip arthroplasty	2016	irrelevant topic; THA
Uluyardimci, E.; Isik, C.; Tahta, M.; Emre, F.; Cepni, S.; Oltulu, I.	The Combination of Inlay Patellofemoral Arthroplasty and Medial Unicompartmental Knee Arthroplasty Versus Total Knee Arthroplasty for Mediolateral Femoral Osteoarthritis: A Comparison of Mid-Term Outcomes	2019	irrelevant topic; PFA and UKA combined
Uzer, G.; Aliyev, O.; Yildiz, F.; GÃ¼ngÃ¶ren, N.; Elmali, N.; Tuncay, I	Safety of one-stage bilateral total knee arthroplasty – one surgeon sequential vs. two surgeons simultaneous: a randomized controlled study	2020	irrelevant topic; two-surgeon TKA vs one-surgeon TKA
Uzun, E.; Misir, A.; Kizkapan, T. B.; Ozcamdalli, M.; Gunay, A. E.; Husrevoglu, K.	Mid-term functional, clinical, and radiological outcomes with factors affecting revision of mobile-bearing medial unicompartmental knee arthroplasty	2020	irrelevant topic; revisions
Vaidya, N. V.; Deshpande, A. N.; Panjwani, T.; Patil, R.; Jaysinghani, T.; Patil, P.	Robotic-assisted TKA leads to a better prosthesis alignment and a better joint line restoration as compared to conventional TKA: a prospective randomized controlled trial	2020	Irrelevant outcome-doesn't involve information requested for PICO
Vaish, A.; Belbase, R. J.; Vaishya, R.	Is blood transfusion really required in simultaneous bilateral Total Knee Replacement: A retrospective observational study	2020	irrelevant topic; blood transfusion vs no blood transfusion
Vaishya, R.; Agarwal, A. K.; Vijay, V.; Tiwari, M. K.	Short term outcomes of long duration versus short duration tourniquet in primary total knee arthroplasty: A randomized controlled trial	2018	irrelevant topic; tourniquet use duration
Vakharia, R. M.; Sodhi, N.; Cohen-Levy, W. B.; Vakharia, A. M.; Mont, M. A.; Roche, M. W.	Comparison of Patient Demographics and Utilization Trends of Robotic-Assisted and Non-Robotic-Assisted Unicompartmental Knee Arthroplasty	2019	irrelevant topic; demographics
van Buul, G. M.; Headon, R.; O'Toole, G.; Neligan, M.; O'Donnell, T.	Does resurfacing of asymptomatic full-thickness localized articular defects of the trochlea influence the outcome following unicompartmental knee arthroplasty of the medial compartment?: A retrospective cohort study with minimum seven-year follow-up	2020	irrelevant topic; implant type
van der Linde, J. A.; Leong, A. K. L.	Does bone cement influence soft tissue balancing in total knee arthroplasty?	2019	irrelevant topic; tissue balancing
van der List, J. P.; Chawla, H.; Villa, J. C.; Pearle, A. D.	Different optimal alignment but equivalent functional outcomes in medial and lateral unicompartmental knee arthroplasty	2016	irrelevant topic; medial vs lateral
van der List, J. P.; Zuiderbaan, H. A.; Pearle, A. D.	Why Do Lateral Unicompartmental Knee Arthroplasties Fail Today?	2016	review
Van Hamersveld, K. T.; Marang-Van De Mheen, P. J.; Van Der Heide, H. J. L.; Van Der Linden-Van Der Zwaag, H. M. J.; Valstar, E. R.; Nelissen, Rghh	Migration and clinical outcome of mobile-bearing versus fixed-bearing single-radius total knee arthroplasty	2018	irrelevant topic; bearing design
van Houten, A. H.; Heesterbeek, P. J.; Wymenga, A. B.	Patella position is not a determinant for anterior knee pain 10 years after balanced gap total knee arthroplasty	2016	irrelevant topic; anterior knee pain
Van Leeuwen, Jamj; Snorrason, F.; Rohrl, S. M.	No radiological and clinical advantages with patient-specific positioning guides in total knee replacement	2018	duplicate
Vasso, M.; Del Regno, C.; D'Amelio, A.; Viggiano, D.; Corona, K.; Schiavone Panni, A.	Minor varus alignment provides better results than neutral alignment in medial UKA	2015	irrelevant topic; varus alignment
Vasso, M.; Del Regno, C.; Perisano, C.; D'Amelio, A.; Corona, K.; Schiavone Panni, A.	Unicompartmental knee arthroplasty is effective: ten year results	2015	no comparison group
Venkatesh, H. K.; Maheswaran, S. S.	Mid-term results of Miller-Galante unicompartmental knee replacement for medial compartment knee osteoarthritis	2016	irrelevant topic; UKA only
Vertullo, C. J.; Graves, S. E.; Peng, Y.; Lewis, P. L.	An optimum prosthesis combination of low-risk total knee arthroplasty options in all five primary categories of design results in a 60% reduction in revision risk: a registry analysis of 482,373 prostheses	2019	irrelevant topic; prosthesis type

Wahal, N.; Gaba, S.; Malhotra, R.; Kumar, V.; Pegg, E. C.; Pandit, H.	Reduced Bearing Excursion After Mobile-Bearing Unicompartmental Knee Arthroplasty is Associated With Poor Functional Outcomes	2018	no comparison group
Wakama, H.; Okamoto, Y.; Otsuki, S.; Nakagawa, K.; Okuno, N.; Neo, M.	Preoperative factors associated with extension gap in cruciate-retaining total knee arthroplasty: A retrospective study on continuous determination of distraction force	2020	no comparison group
Walker, T.; Gotterbarm, T.; Bruckner, T.; Merle, C.; Streit, M. R.	Total versus unicompartmental knee replacement for isolated lateral osteoarthritis: a matched-pairs study	2014	no comparison group
Walker, T.; Hariri, M.; Eckert, J.; Panzram, B.; Reiner, T.; Merle, C.; Gotterbarm, T.; Moradi, B.	Minimally invasive lateral unicompartmental knee replacement: Early results from an independent center using the Oxford fixed lateral prosthesis	2020	irrelevant topic; UKA only
Walker, T.; Heinemann, P.; Bruckner, T.; Streit, M. R.; Kinkel, S.; Gotterbarm, T.	The influence of different sets of surgical instrumentation in Oxford UKA on bearing size and component position	2017	irrelevant topic; implant type
Walker, T.; Hetto, P.; Bruckner, T.; Gotterbarm, T.; Merle, C.; Panzram, B.; Innmann, M. M.; Moradi, B.	Minimally invasive Oxford unicompartmental knee arthroplasty ensures excellent functional outcome and high survivorship in the long term	2019	no comparison group
Walker, T.; Zahn, N.; Bruckner, T.; Streit, M. R.; Mohr, G.; Aldinger, P. R.; Clarius, M.; Gotterbarm, T.	Mid-term results of lateral unicondylar mobile bearing knee arthroplasty: a multicentre study of 363 cases	2018	irrelevant topic; implant type
Wang, D.; Xu, J.; Zeng, W. N.; Zhou, K.; Xie, T. H.; Chen, Z.; Yu, H. D.; Li, J. L.; Zhou, Z. K.; Pei, F. X.	Closed Suction Drainage Is Not Associated with Faster Recovery after Total Knee Arthroplasty: A Prospective Randomized Controlled Study of 80 Patients	2016	RA + OA
Wang, F.; Xue, H.; Ma, T.; Wen, T.; Yang, T.; Xue, L.; Tu, Y.	Short-term effectiveness of medial unicompartmental knee arthroplasty in young patients aged less than or equal to 60 years	2020	no comparison group
Wang, H. R.; Li, Z. L.; Li, J.; Wang, Y. X.; Zhao, Z. D.; Li, W.	Arthroscopy combined with unicondylar knee arthroplasty for treatment of isolated unicompartmental knee arthritis: A long-term comparison	2019	irrelevant topic; arthroscopy + UKA vs only UKA
Wang, H. T.; Fafard, J.; Ahern, S.; Vendittoli, P. A.; Hebert, P.	Frailty as a predictor of hospital length of stay after elective total joint replacements in elderly patients	2018	no comparison group
Wang, H. Y.; Wang, L.; Luo, Z. Y.; Wang, D.; Tang, X.; Zhou, Z. K.; Pei, F. X.	Intravenous and subsequent long-term oral tranexamic acid in enhanced-recovery primary total knee arthroplasty without the application of a tourniquet: a randomized placebo-controlled trial	2019	irrelevant topic; both groups receive tranexamic acid; irrelevant comparison group
Wang, H.; Qiu, G. X.; Lin, J.; Jin, J.; Qian, W. W.; Weng, X. S.	Antibiotic Bone Cement Cannot Reduce Deep Infection After Primary Total Knee Arthroplasty	2015	irrelevant topic; cement type
Wang, L.; Seok, S.; Kim, S.; Kim, K.; Lee, S.; Lee, K.	The Risk Factors of Postoperative Delirium after Total Knee Arthroplasty	2017	no comparison group
Wang, Y.; Feng, W.; Zang, J.; Gao, H.	Effect of Patellar Denervation on Anterior Knee Pain and Knee Function in Total Knee Arthroplasty without Patellar Resurfacing: A Meta-Analysis of Randomized Controlled Trials	2020	irrelevant topic; patellar denervation
Wang, Z.; Deng, W.; Shao, H.; Zhou, Y.; Li, H.	Forgotten Joint Score Thresholds for Forgotten Joint Status and Patient Satisfaction after Unicompartmental Knee Arthroplasty in Chinese Patients	2020	irrelevant topic; forgotten joint
Ward, D. T.; Metz, L. N.; Horst, P. K.; Kim, H. T.; Kuo, A. C.	Complications of Morbid Obesity in Total Joint Arthroplasty: Risk Stratification Based on BMI	2015	<80% TKA
Warren, J. A.; Siddiqi, A.; Krebs, V. E.; Molloy, R.; Higuera, C. A.; Piuzzi, N. S.	Bilateral Simultaneous Total Knee Arthroplasty May Not Be Safe Even in the Healthiest Patients	2021	irrelevant topic; UKA vs bilateral
Warth, L. C.; Ishmael, M. K.; Deckard, E. R.; Ziembba-Davis, M.; Meneghini, R. M.	Do Medial Pivot Kinematics Correlate With Patient-Reported Outcomes After Total Knee Arthroplasty?	2017	irrelevant topic; implant type
Watanabe, T.; Muneta, T.; Yagishita, K.; Hara, K.; Koga, H.; Sekiya, I.	Closed Suction Drainage Is Not Necessary for Total Knee Arthroplasty: A Prospective Study on Simultaneous Bilateral Surgeries of a Mean Follow-Up of 5.5 Years	2016	not RCT
Webb, M. L.; Golinvaux, N. S.; Ibe, I. K.; Bovonratwet, P.; Ellman, M. S.; Grauer, J. N.	Comparison of Perioperative Adverse Event Rates After Total Knee Arthroplasty in Patients With Diabetes: Insulin Dependence Makes a Difference	2017	OA status unclear
Weber, P.; Gollwitzer, H.	Kinematic alignment in total knee arthroplasty	2021	review

Wegener, J. T.; van Ooij, B.; van Dijk, C. N.; Karayeva, S. A.; Hollmann, M. W.; Preckel, B.; Stevens, M. F.	Long-term pain and functional disability after total knee arthroplasty with and without single-injection or continuous sciatic nerve block in addition to continuous femoral nerve block: a prospective, 1-year follow-up of a randomized controlled trial	2013	irrelevant topic; femoral nerve catheter alone vs combined with a single-injection vs continuous sciatic nerve block
Wei, W.; Dang, S.; Duan, D.; Wei, L.	Comparison of intravenous and topical tranexamic acid in total knee arthroplasty	2018	irrelevant topic; IV vs topical
Weston-Simons, J. S.; Pandit, H.; Haliker, V.; Dodd, C. A.; Popat, M. T.; Murray, D. W.	Intra-articular local anaesthetic on the day after surgery improves pain and patient satisfaction after Unicompartmental Knee Replacement: a randomised controlled trial	2012	irrelevant topic; bupivacaine vs placebo
White, S. H.; Roberts, S.; Kuiper, J. H.	The cemented twin-peg Oxford partial knee replacement survivorship: a cohort study	2015	no comparison group
White, S. H.; Roberts, S.; Kuiper, J. H.	The twin peg Oxford knee - Medium term survivorship and surgical principles	2018	no comparison group
Widmer, B. J.; Scholes, C. J.; Pattullo, G. G.; Oussledik, S. I.; Parker, D. A.; Coolican, M. R.	Is femoral nerve block necessary during total knee arthroplasty?: a randomized controlled trial	2012	irrelevant topic; FNB and periarticular anesthetic infiltration vs local anesthetic infiltration
Wilairatana, V.; Sinlapavilawan, P.; Honsawek, S.; Limpaphayom, N.	Alteration of inflammatory cytokine production in primary total knee arthroplasty using antibiotic-loaded bone cement	2017	irrelevant topic; cement type
Willems, J. H.; Rassir, R.; Sierevelt, I. N.; Nolte, P. A.	There is no difference in postoperative pain, function and complications in patients with chondrocalcinosis in the outcome of total knee arthroplasty for end-stage osteoarthritis	2020	irrelevant topic; chondrocalcinosis
Winnock de Grave, P.; Barbier, J.; Luyckx, T.; Ryckaert, A.; Gunst, P.; Van den Daelen, L.	Outcomes of a Fixed-Bearing, Medial, Cemented Unicondylar Knee Arthroplasty Design: Survival Analysis and Functional Score of 460 Cases	2018	no comparison group
Wirries, N.; Ezechieli, M.; Stimpel, K.; Skutek, M.	Impact of continuous passive motion on rehabilitation following total knee arthroplasty	2020	irrelevant topic; continuous passive motion
Wojtowicz, R.; Henricson, A.; Nilsson, K. G.; Crnalic, S.	Uncemented monoblock trabecular metal posterior stabilized high-flex total knee arthroplasty: similar pattern of migration to the cruciate-retaining design - a prospective radiostereometric analysis (RSA) and clinical evaluation of 40 patients (49 knees) 60 years or younger with 9 years' follow-up	2019	irrelevant topic; migration from posterior to cruciate-retaining design
Won Suh, D.; Han, S. B.; Park, J. H.; Cheong, K.; Kyung, B. S.	Intravenous iron supplementation with intra-articular administration of tranexamic acid reduces the rate of allogeneic transfusions after simultaneous bilateral total knee arthroplasty	2017	no comparison group
Wong, E.; Nguyen, C. L.; Park, S.; Parker, D.	Simultaneous, same-anaesthetic bilateral total knee arthroplasty has low mortality and complication rates	2018	no comparison group
Woo, Y. L.; Chen, Y. Q.; Lai, M. C.; Tay, K. J.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Does obesity influence early outcome of fixed-bearing unicompartmental knee arthroplasty?	2017	Irrelevant outcome-UKA not TKA
Wu, Y.; Zeng, Y.; Li, C.; Zhong, J.; Hu, Q.; Pei, F.; Shen, B.	The effect of post-operative limb positioning on blood loss and early outcomes after primary total knee arthroplasty: a randomized controlled trial	2019	irrelevant topic; post op TKA limb positioning
Wyatt, R. W. B.; Chang, R. N.; Royse, K. E.; Paxton, E. W.; Namba, R. S.; Prentice, H. A.	The Association Between Cement Viscosity and Revision Risk After Primary Total Knee Arthroplasty	2021	irrelevant topic; high viscosity cement vs medium viscosity cement
Wylde, V.; Trella-Larsen, L.; Whitehouse, M. R.; Blom, A. W.	Preoperative psychosocial risk factors for poor outcomes at 1 and 5 years after total knee replacement: A cohort study of 266 patients	2017	no comparison group
Wynell-Mayow, W.; Saeed, M. Z.	Much ado about nothing: the effect of tourniquet time on an accelerated rehabilitation programme following total knee replacement (TKR)	2018	irrelevant topic; tourniquet time

Xia, Z.; Liow, M. H. L.; Goh, G. S.; Chong, H. C.; Lo, N. N.; Yeo, S. J.	Body mass index changes after unicompartmental knee arthroplasty do not adversely influence patient outcomes	2018	irrelevant topic; BMI change after TKA
Xie, J.; Ma, J.; Huang, Q.; Yue, C.; Pei, F.	Comparison of Enoxaparin and Rivaroxaban in Balance of Anti-Fibrinolysis and Anticoagulation Following Primary Total Knee Replacement: A Pilot Study	2017	irrelevant topic; TXA vs other drug
Xie, J.; Ma, J.; Yao, H.; Yue, C.; Pei, F.	Multiple Boluses of Intravenous Tranexamic Acid to Reduce Hidden Blood Loss After Primary Total Knee Arthroplasty Without Tourniquet: A Randomized Clinical Trial	2016	irrelevant topic; different dosage
Xu, T.; Lao, Y.; Wang, J.; Liu, F.; Xiao, L.; Tong, P.	Mid-term results of Oxford phase-3 medial unicompartmental knee arthroplasty for medial arthritis in Chinese patients	2017	no comparison group
Xue, H.; Ma, T.; Wen, T.; Yang, T.; Xue, L.; Tu, Y.	Predictors of Satisfactory Outcomes With Fixed-Bearing Lateral Unicompartmental Knee Arthroplasty: Up to 7-year Follow-Up	2020	no comparison group
Xue, H.; Tu, Y.; Ma, T.; Wen, T.; Yang, T.; Cai, M.	Up to twelve year follow-up of the Oxford phase three unicompartmental knee replacement in China: seven hundred and eight knees from an independent centre	2017	no comparison group
Yakobov, E.; Scott, W.; Stanish, W. D.; Tanzer, M.; Dunbar, M.; Richardson, G.; Sullivan, M. J. L.	Reductions in Perceived Injustice are Associated With Reductions in Disability and Depressive Symptoms After Total Knee Arthroplasty	2018	no comparison group
Yakumpor, T.; Panichkul, P.; Kanitnate, S.; Tammachote, N.	Blood loss in TKA with tourniquet release before and after wound closure	2018	irrelevant topic; before vs after wound closure
Yamagami, R.; Inui, H.; Taketomi, S.; Kono, K.; Kawaguchi, K.; Takagi, K.; Kage, T.; Sameshima, S.; Tanaka, S.	Implant Alignment and Patient Factors Affecting the Short-Term Patient-Reported Clinical Outcomes after Oxford Unicompartmental Knee Arthroplasty	2020	irrelevant topic; groups separated by ADL scores
Yamagami, R.; Inui, H.; Taketomi, S.; Kono, K.; Kawaguchi, K.; Tanaka, S.	Navigation-based analysis of associations between intraoperative joint gap and mediolateral laxity in total knee arthroplasty	2021	irrelevant topic; not RCT
Yang, J. H.; Yoon, J. R.; Dahuja, A.; Song, S.	Subcutaneous versus intraarticular closed suction indwelling drainage after total knee arthroplasty: A randomised control trial	2016	irrelevant comparison: drain placement location
Yang, Y.; Long, G.; Zhenhu, W.	Analysis of Interlimb Asymmetry in Patients Undergoing Simultaneous Bilateral Total Knee Arthroplasty	2015	irrelevant topic; dominant vs non dominant side procedures
Yao, Y. Y.; Zhou, Q. H.; Yu, L. N.; Yan, M.	Additional femoral nerve block analgesia does not reduce the chronic pain after total knee arthroplasty: A retrospective study in patients with knee osteoarthritis	2019	irrelevant topic; PCIA vs PCIA + FNB
Yap, Y. Y. W.; Edwards, K. L.; Soutakbar, H.; Fernandes, G. S.; Scammell, B. E.	Oxford knee score 1 year after TKR for osteoarthritis with reference to a normative population: What can patients expect?	2021	irrelevant topic; prediction models
Yeh, J. Z. Y.; Chen, J. Y.; Lim, J. W.; Pang, H. N.; Tay, D. K. J.; Chia, S. L.; Lo, N. N.; Yeo, S. J.	Postoperative fixed flexion deformity greater than 10degree lead to poorer functional outcome 10 years after unicompartmental knee arthroplasty	2018	irrelevant topic; fixed flexion deformity
Yeung, I. H.; Kan, Y. Y.; Cheong, L. K.; Andy, T. C. Y.; Ho, W. K.	Effect of periarticular multimodal injection versus femoral nerve block on in-hospital rehabilitation after total knee arthroplasty in Chinese population: A prospective randomized control trial study	2020	irrelevant topic; nerve block vs multimodal periarticular analgesic
Yilmaz, B.; Sirin, E.; Kilinc, B. E.; Ozdemir, G.; Komur, B.; Heybeli, N.	Investigation of the Optimal Interval for Staged Total Knee Arthroplasty for the Treatment of Advanced Bilateral Gonarthrosis	2020	irrelevant topic; treatment intervals
Yokhana, S. S.; Hamilton, D. A.; Stine, S. A.; Stimson, L. N.; Zalikha, A. K.; Chen, C.; Darwiche, H. F.	The prevalence of posterolateral tibial baseplate overhang: An anatomical CT study	2021	No control group
Yokoyama, M.; Nakamura, Y.; Egusa, M.; Doi, H.; Onishi, T.; Hirano, K.; Doi, M.	Factors related to stress fracture after unicompartmental knee arthroplasty	2019	irrelevant topic; stress fracture and OA
Yu, Y.; Lin, H.; Wu, Z.; Xu, P.; Lei, Z.	Perioperative combined administration of tranexamic acid and dexamethasone in total knee arthroplasty- benefit versus harm?	2019	irrelevant topic; both groups receive tranexamic

			acid; irrelevant comparison group
Yuan, F.; Sun, Z.; Wang, H.; Chen, Y.; Yu, J.	Clinical and radiologic outcomes of two patellar resection techniques during total knee arthroplasty: a prospective randomized controlled study	2019	irrelevant topic; comparison of two patellar resection techniques
Yue, J.; Guo, W.; Wan, F.; Wen, P.; Liu, Z.; Cheng, L.; Zhang, Q.; Chen, Y.	Quantitative Evaluation of Joint Space Width in the Lateral Compartment after Medial Unicompartmental Knee Arthroplasty: Comparison of Three Radiographic Views	2018	irrelevant topic; radiographic assessments
Yue, J.; Ma, X.; Li, Y.; Wang, Y.; Yang, C.; Zhu, Y.; Cheng, B.	Influence of Bone Marrow Edema on Medial Unicompartmental Knee Arthroplasty among Patients with Patellofemoral Osteoarthritis	2017	irrelevant topic; bone marrow edema
Yuenyongviwat, V.; Iamthanaporn, K.; Tuntarattanapong, P.; Hongnaparak, T.	The "Cough Trick" Reduces Pain During Removal of Closed-suction Drains after Total Knee Arthroplasty: A Randomized Trial	2019	irrelevant comparison; cough trick vs none (all pts have drains)
Yung, C. S.; Cheung, M. H.; Fu, H. C. H.; Chan, P. K.; Yan, C. H.; Chiu, K. Y.	Unicompartmental knee arthroplasties in Hong Kong: 15 years of experience in a teaching hospital	2019	irrelevant topic; UKA only
Zahn, R. K.; Graef, F.; Conrad, J. L.; Renner, L.; Perka, C.; Hommel, H.	Accuracy of tibial positioning in the frontal plane: a prospective study comparing conventional and innovative techniques in total knee arthroplasty	2020	not RCT
Zambianchi, F.; Daffara, V.; Negri, A.; Franceschi, G.; Schiavon, G.; Catani, F.	Preoperative Osteoarthritic Grade Affects Forgotten Joint Status and Patient Acceptable Symptom State After Robotic Arm-Assisted Unicompartmental Knee Arthroplasty	2021	irrelevant topic; UKA
Zambianchi, F.; Franceschi, G.; Rivi, E.; Banchelli, F.; Marcovigi, A.; Khabbaze, C.; Catani, F.	Clinical results and short-term survivorship of robotic-arm-assisted medial and lateral unicompartmental knee arthroplasty	2020	irrelevant topic; medial vs lateral
Zambianchi, F.; Franceschi, G.; Rivi, E.; Banchelli, F.; Marcovigi, A.; Nardacchione, R.; Ensini, A.; Catani, F.	Does component placement affect short-term clinical outcome in robotic-arm assisted unicompartmental knee arthroplasty?	2019	irrelevant comparison
Zan, P.; Mol, M. O.; Yao, J. J.; Fan, L.; Yang, D.; Liu, K.; Li, G.	Release of the tourniquet immediately after the implantation of the components reduces the incidence of deep vein thrombosis after primary total knee arthroplasty	2017	irrelevant topic; comparison of tourniquet technique
Zan, P.; Wu, Z.; Yu, X.; Fan, L.; Xu, T.; Li, G.	The Effect of Patella Eversion on Clinical Outcome Measures in Simultaneous Bilateral Total Knee Arthroplasty: A Prospective Randomized Controlled Trial	2016	irrelevant topic; patella eversion
Zekcer, A.; Del Priori, R.; Tieppo, C.; da Silva, R. S.; Severino, N. R.	Topical vs. intravenous administration of tranexamic acid in knee arthroplasty and prevalence of deep venous thrombosis: a randomized clinical trial	2016	irrelevant topic; DVT
Zhang, B.; Cheng, C. K.; Qu, T. B.; Hai, Y.; Lin, Y.; Pan, J.; Wang, Z. W.; Wen, L.	Partial versus Intact Posterior Cruciate Ligament-retaining Total Knee Arthroplasty: A Comparative Study of Early Clinical Outcomes	2016	irrelevant topic; flexion angle
Zhang, B.; Zhang, W.; Xu, J.; Ding, J.	Effect of topical tranexamic acid on post-traumatic elbow stiffness in patients treated with open arthrolysis: a prospective comparative study	2020	irrelevant topic; elbow injury
Zhang, H.; Si, W.; Pi, H.	Incidence and risk factors related to fear of falling during the first mobilisation after total knee arthroplasty among older patients with knee osteoarthritis: A cross-sectional study	2021	irrelevant topic; fear of falling
Zhang, Q.; Guo, W.; Liu, Z.; Cheng, L.; Yue, D.; Zhang, N.	Minimally invasive unicompartmental knee arthroplasty in treatment of osteonecrosis versus osteoarthritis: a matched-pair comparison	2015	irrelevant topic; Spontaneous osteonecrosis of the knee vs OA
Zhang, Q.; Zhang, Q.; Guo, W.; Gao, M.; Ding, R.; Wang, W.	Risk factors of postoperative valgus malalignment in mobile-bearing medial unicompartmental knee arthroplasty	2019	irrelevant topic; valgus knee vs non-valgus knee
Zhang, S.; Wang, C.; Shi, L.; Xue, Q.	Multi-route applications of tranexamic acid to reduce blood loss after total knee arthroplasty: a randomized controlled trial	2019	irrelevant topic; placebo combined with TXA
Zhang, X.; Ma, D.; Pan, J.; Wen, L.	Effects of Different Applications of Tranexamic Acid on Perioperative Blood Transfusion Rate and Postoperative Pain in Unilateral Total Knee Arthroplasty	2021	no comparison group

Zhao, F. C.; Zheng, L.; Hui, Z. G.; Xu, S. Z.; Liu, L.; Lu, Y.	Leg-Length Change After Unilateral Unicompartmental Knee Arthroplasty in Varus Knee and Its Clinical Implications	2020	no comparison group
Zhao, J.; Wu, Z.; Yu, Y.; Zhou, Z.; Feng, D.	Comparison of unicompartmental knee arthroplasty and total knee arthroplasty on joint function in elderly patients with knee osteoarthritis	2019	no comparison group
Zora, H.; Gungor, H. R.; Bayrak, G.; Savkin, R.; Beker, N.	Does mini-midvastus approach have an advantageous effect on rapid recovery protocols over medial parapatellar approach in total knee arthroplasty?	2020	irrelevant topic; surgical methods not of interest
Zsakai, Z.; Nadianmehr, B.; Olah, C.; Papp, M.; Vereb, G.	Medial unicompartmental knee arthroplasty: Correlation between components' malalignment and long-term outcome in obese patients	2018	Irrelevant outcome-doesn't involve information requested for PICO
Zuiderbaan, H. A.; Khamaisy, S.; Thein, R.; Nawabi, D. H.; Pearle, A. D.	Congruence and joint space width alterations of the medial compartment following lateral unicompartmental knee arthroplasty	2015	irrelevant topic; joint space width alterations
Zuiderbaan, H. A.; van der List, J. P.; Chawla, H.; Khamaisy, S.; Thein, R.; Pearle, A. D.	Predictors of Subjective Outcome After Medial Unicompartmental Knee Arthroplasty	2016	no comparison group

AAOS Approval Bodies

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The committee on Evidence Based Quality and Value (EBQV) consists of twenty-three AAOS members who implement evidence-based quality initiatives such as clinical practice guidelines (CPGs), systematic literature reviews (SRs) and appropriate use criteria (AUCs). They also oversee the dissemination of related educational materials and promote the utilization of orthopaedic value products by the Academy's leadership and its members.

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Participation in the AAOS systematic literature review peer review process does not constitute an endorsement, nor does it imply that the reviewer supports this document.

Letters of Endorsement from External Organizations

January 11, 2023

Kaitlyn S. Sevarino, MBA, CAE
Director,
Department of Clinical Quality and Value

Dear Ms. Sevarino:

The AAHKS has voted to endorse the AAOS Clinical Practice Guideline for the Surgical Management of Osteoarthritis of the Knee. This endorsement implies permission for the AAOS to officially list our organization as an endorser of this clinical practice guideline and reprint our logo in the introductory section of the clinical practice guideline review document.

Sincerely,



Bryan D. Springer, MD
President, AAHKS



January 13, 2023

Kaitlyn S. Sevarino, MBA, CAE
Director
Department of Clinical Quality and Value
AAOS
9400 West Higgins Avenue
Rosemont, Illinois 60018

Dear Kaitlyn:

This letter is to confirm the Arthroscopy Association of North America will endorse the AAOS Clinical Practice Guideline for the Surgical Management of Osteoarthritis of the Knee. This endorsement implies permission for the AAOS to officially list our organization as an endorser of this clinical practice guideline and reprint our logo in the introductory section of the clinical practice guideline review document.

Sincerely,

Laura M. Downes, CAE
Chief Executive Officer