

# Supplement to the Clinical Practice Guideline for the Management of Osteoarthritis of the Knee (Non-Arthroplasty)

## e-Appendix 1

- PICO Questions/Inclusion Criteria
- Search Strategy
- Excluded Literature
- 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

<b>PICO Questions and Inclusion Criteria</b> .....	3
PICO Questions .....	3
Standard Inclusion Criteria .....	4
Customized Inclusion Criteria .....	4
<b>Literature Search Strategy</b> .....	5
Literature Search Methods .....	5
For PRISMA diagram .....	5
Appendix: Literature Search Strategies by Database.....	5
<b>Excluded Articles</b> .....	13
<b>AAOS Approval Bodies</b> .....	165
<b>Review Organizations</b> .....	165
<b>Letters of Endorsement from External Organizations</b> .....	166

## **PICO Questions and Inclusion Criteria**

### PICO Questions

1. In adult (>17) patients with symptomatic osteoarthritis of the knee, do assistive devices (canes, shoe inserts, etc.) improve patient outcomes?
2. In adult (>17) patients with symptomatic osteoarthritis of the knee, do braces improve patient outcomes?
3. In adult (>17) patients with symptomatic osteoarthritis of the knee, do oral/dietary supplements improve patient outcomes?
4. In adult (>17) patients with symptomatic osteoarthritis of the knee, do topical treatments improve patient outcomes?
5. In adult (>17) patients with symptomatic osteoarthritis of the knee, does exercise and activity improve patient outcomes?
6. In adult (>17) patients with symptomatic osteoarthritis of the knee, do weight loss interventions improve patient outcomes?
  - 6b. In adult (>17) patients with symptomatic osteoarthritis of the knee, is the extent of weight lost associated with improved patient outcomes?
7. In adult (>17) patients with symptomatic osteoarthritis of the knee, do manual therapies (manipulation, mobilization, massage, etc.) improve patient outcomes?
8. In adult (>17) patients with symptomatic osteoarthritis of the knee, do physical/electrotherapeutic agents (acupuncture, heat, ice, TENS, etc.) improve patient outcomes?
9. In adult (>17) patients with symptomatic osteoarthritis of the knee, what systemic treatments are most effective for improving patient outcomes?
10. In adult (>17) patients with symptomatic osteoarthritis of the knee, what locally invasive treatments are most effective for improving patient outcomes?
11. In adult (>17) patients with symptomatic osteoarthritis of the knee, does arthroscopic debridement improve patient outcomes?
12. In adult (>17) patients with symptomatic osteoarthritis of the knee, does partial meniscectomy improve patient outcomes?
13. In adult (>17) patients with symptomatic osteoarthritis of the knee, does osteotomy improve patient outcomes?

### Standard Inclusion Criteria

- Article must be a full article report of a clinical study (studies using registry data can be included in a guideline if it is published in a peer-reviewed journal and meets all other inclusion criteria/quality standards).
- 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 without appropriate sub-analysis or statistical adjustment) 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 Low” quality of evidence (e.g. Level V) are *excluded*.
- Study must appear in a peer-reviewed publication
- For any included study that uses “paper-and-pencil” outcome measures (e.g. Composite measures, SF-36, etc.), 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

### Customized Inclusion Criteria

- Study must be regarding osteoarthritis with a population of at least **80% OA adult (>17) knee patients**
- Study must be published in or after **[no date limit]**
- Study should have **30 or more patients per group**
- Consider follow-up times at a minimum of **4 weeks**

## Literature Search Strategy

### Literature Search Methods

The medical librarian conducted a comprehensive search of MEDLINE, Embase, and the Cochrane Central Register of Controlled Trials based on key terms and concepts from the workgroup-defined PICO questions. Bibliographies of relevant systematic reviews were hand searched for additional references. All databases were last searched on **April 28, 2020** with limits for publication dates from 2012-present and English language.

### For PRISMA diagram

Records identified through database searching: **25,773**

Records after duplicates removed: **16,635**

Additional records identified through other sources: **236**

Records screened: **16,871**

### Appendix: Literature Search Strategies by Database

**Database:** MEDLINE and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) 1946 to present

**Interface:** Ovid (<http://ovidsp.ovid.com/autologin>)

**Date Searched:** April 28, 2020

LINE	SEARCH SYNTAX
1	((animals not humans) or cadaver).sh. or cadaver*.ti.
2	(((comment or editorial or letter or historical article) not "clinical trial") or address or news or newspaper article or case reports).pt. or case report.ti.
3	((Adolescent OR Child OR Infant) NOT Adult).sh.
4	1 or 2 or 3
5	exp "Osteoarthritis, Knee"/ or (gonitis or gonarthriti* or gonarthros*).ti,ab.
6	exp "Knee Joint"/ or exp "Knee"/ or (knee or knees or femorotibial or tibial or patella or patellar).ti,ab.
7	"Osteoarthritis"/ or "Arthritis"/ or (osteoarthriti* or osteo-arthritis* or osteo-arthros* or osteoarthros*).ti,ab. or ((non-inflamm* or noninflamm* or degenerat* or hypertropic) and (arthriti* or joint* or disease*)).ti,ab.
8	5 or (6 and 7)
9	"Self-Help Devices"/ or "Orthopedic Equipment"/ or "Canes"/ or (cane or canes).ti,ab. or "Crutches"/ or (crutch or crutches).ti,ab. or exp "Orthotic Devices"/ or (orthotic or orthotics or orthoses or orthosis or braces or bracing or shoes or insole or insoles).ti,ab. or "Walkers"/ or ("assistive device" or "assistive devices" or "walking aids" or walker or walkers or splints or sleeves).ti,ab.
10	8 and 9

11	exp "Intercellular Signaling Peptides and Proteins"/ or ("growth factors" or "growth factor").ti,ab. or ((biological or biologic or cell or cell-based or cellular) ADJ2 (therapy or therapies)).ti,ab. or ("platelet rich plasma" or "platelet-rich plasma" or "PRP" or "stem cell" or "stem cells").ti,ab. or "biologics".ti,ab. or exp "Biological Therapy"/ or exp "Biological Products"/ or ("minimally manipulated" or "minimal manipulation" or "blood product" or "blood products").ti,ab. or exp "Platelet-Rich Plasma"/ or exp "Stem Cells"/ or exp "Prolotherapy"/ or (prolotherapy or prolotherapies).ti,ab. or orthobiologics.ti,ab.
12	8 and 11
13	exp "Injections, Intra-Articular"/ or exp "Viscosupplementation"/ or ((intraarticular or "intra articular") and (delivery OR administration OR injection* OR infusion or injectable)).ti,ab. or exp "Hyaluronic Acid"/ or (hyaluron* OR "hylan").ti,ab. or exp "Adrenal Cortex Hormones"/ or (corticoid* or cortical or corticosteroid* or "cortico steroid" or corticotherapy).ti,ab. or viscosupplement*.ti,ab.
14	8 and 13
15	exp "Acetaminophen"/ or ("paracetamol" or "acetaminophen" or "Tylenol").ti,ab. or exp "Anti-Inflammatory Agents, Non-Steroidal"/ or "NSAIDs".ti,ab. or exp "Cyclooxygenase 2 Inhibitors"/ or ((nonsteroidal or non-steroidal or "non steroidal") and (anti-inflammatory or "anti inflammatory" or antiinflammatory)).ti,ab. or exp "Ibuprofen"/ or ("ibuprofen" or "ibuprophen" or Advil or flurbiprofen).ti,ab. or exp "Naproxen"/ or (naproxen or Aleve).ti,ab. or exp "Celecoxib"/ OR (celecoxib or "COX-2 inhibitor" or "COX-2 inhibitors" or "COX2 inhibitor" or "COX2 inhibitors" or Celebrex).ti,ab. or exp "Diclofenac"/ or (diclofenac or misoprostol or sulindac or ketoprofen or tolmetin or etodolac or fenoprofen or piroxicam or etodolac or indomethacin or meloxicam or Mobic or ketorolac or Toradol).ti,ab.
16	8 and 15
17	exp Narcotics/ or exp "Analgesics, Opioid"/ or (narcotic* or opioid* or opiate* or papaver* or oxycodone or Oxycontin or OxyER or "Oxy-ER" or "Oxy-CRF" or "OxyIR" or "Oxy-IR" or Percodan or Percocet or Endocet or Roxicet or hydrocodone or dihydrocodeinone or Vicodin or Vicoprofen or Norco or Lortrab or Lorcet or oxymorphone or Opana or morphine or Kadian or Avinza or "MS Contin" or Duramorph or Roxanol or codeine or fentanyl or Duragesic or Actiq or Sublimaze or hydromorphone or Dilaudid or meperidine or Demerol or tramadol or Ultram or buprenorphine or propoxyphene or Darvocet or Omnopon or methadone or Dolopphine or Methadose or suboxone ).ti,ab.
18	8 and 17
19	exp "Weight Loss"/ or exp "Weight Reduction Programs"/ or ("weight loss" or "weight reduction" or "body weight" or "lose weight").ti,ab. or exp "Body Mass Index"/
20	8 and 19
21	"Therapeutic Irrigation"/ or ("lavage").ti,ab. or "Arthroscopy"/ or (arthroscopy or arthroscopic or arthroendoscopy).ti,ab. or exp "Meniscectomy"/ or (meniscectomy or meniscectomies or meniscectomy).ti,ab. or ((meniscus or meniscal) ADJ3 (repair or resection or resections or removal or excision)).ti,ab.
22	8 and 21

<b>23</b>	(exp "Acupuncture Therapy"/ or (acupuncture or pharmacoacupuncture or acupotomy or auriculotherapy or "dry needling").ti,ab. or exp "Physical Therapy Modalities"/ or exp "Musculoskeletal Manipulations"/ or (physiotherap* or "physical therapy" or "physical therapies" or manipulation or manipulations or massage or "manual therapy" or "manual therapies" or mobilization).ti,ab. or exp "Electromyography"/ or exp "Electric Stimulation Therapy"/ or ("transcutaneous electric nerve stimulation" or "TENS" or "NMES" or "electrical stimulation" or electrostimulation or "electric stimulation" or "electronic stimulation" or electrotherapy or "nerve stimulation" or "muscle stimulation" or electromyograph*).ti,ab. or exp "Ultrasonic Therapy"/ or (ultrasound or laser or shockwave or "shock wave").ti,ab. or exp "Laser Therapy"/ or exp "Cryotherapy"/ or Hot Temperature/tu or (cryotherapy or cryotherapies or ice or heat or "cold therapy").ti,ab. or exp exercise/ or exp "exercise therapy"/ or ("strength training" or muscle or force or resistance or resistive or exercise or isometric* or isokinetic* or flexibility or dynamic or stretching).ti,ab.) not exp *Arthroplasty, Replacement, Knee/
<b>24</b>	8 and 23
<b>25</b>	"Osteotomy"/ or (osteotom*).ti,ab.
<b>26</b>	8 and 25
<b>27</b>	exp "Ablation Techniques"/ or exp "Catheter ablation"/ or exp "Pulsed radiofrequency treatment"/ or Radio waves/tu or ("radiofrequency ablation" or "radiofrequency neurotomy" or "Radiofrequency denervation" or "radiofrequency thermocoagulation" or "pulsed radiofrequency" or "catheter ablation" or "thermo-ablation" or "thermal ablation" or (nerve)adj3(ablation)).ti,ab. or exp "Denervation"/ or (neurolysis or denervation or denervated or "nerve block" or "nerve blocks" or "nerve blockade" or "nerve blockades" or neurectom* or neurotom*).ti,ab.
<b>28</b>	8 and 27
<b>29</b>	exp "Glucosamine"/ or glucosamine.ti,ab. or exp "Chondroitin"/ or chondroitin.ti,ab. or exp "Dietary Supplements"/ or (supplement or supplements or nutraceutical* or neutraceutical* or nutriceutical* or neutriceutical*).ti,ab. or Ginger/ or ginger.ti,ab. or exp "Cannabinoids"/ or (cannabidiol or CBD).ti,ab. or Curcumin/ or Curcuma/ or (curcumin or curcuma or turmeric).ti,ab.
<b>30</b>	8 and 29
<b>31</b>	exp "Cognitive Behavioral Therapy"/ or (psychotherapy or psychotherapies or psychotherapeutic).ti,ab. or ((cogniti* or behavior* or behaviour*) ADJ1 (therapy or therapies or treatment* or intervention*)).ti,ab. or (CBT not ("cord blood transplantation" or "carotid body tumor" or "cortical bone trajectory" or "cortical bone thickness" or "computer based training")).ti,ab. OR mindfulness.ti,ab.
<b>32</b>	8 and 31
<b>33</b>	(10 or 12 or 14 or 16 or 18 or 20 or 22 or 24 or 26 or 28 or 30 or 32) not 4
<b>34</b>	33 and English.lg.
<b>35</b>	Limit 34 to yr="2012-Current"

**Database:** Embase

**Interface:** Elsevier (<https://embase.com>)

Date Searched: April 28, 2020

LINE	SEARCH QUERY
1	knee osteoarthritis'/exp OR gonitis:ti,ab OR gonoarthritis:ti,ab OR gonarthros*:ti,ab
2	knee'/exp OR knee:ti,ab OR knees:ti,ab OR femorotibial:ti,ab OR tibial:ti,ab OR patella:ti,ab OR patellar:ti,ab
3	osteoarthritis'/exp OR osteoarthriti*:ti,ab OR 'osteo arthriti*':ti,ab OR 'osteo arthros*':ti,ab OR osteoarthros*:ti,ab OR (('non inflamm*':ti,ab OR noninflamm*':ti,ab OR degenerat*':ti,ab OR hypertropic:ti,ab) AND (arthriti*':ti,ab OR joint*':ti,ab OR disease*':ti,ab))
4	cadaver'/de OR 'in vitro study'/exp OR 'abstract report'/de OR 'book'/de OR 'editorial'/de OR 'note'/de OR 'letter'/it OR 'case study'/de OR 'case report'/de OR 'conference abstract'/it OR 'chapter'/it OR 'conference paper'/it OR 'conference review'/it
5	(#1 OR (#2 AND #3)) NOT #4
6	self help device'/exp OR 'orthopedic equipment'/exp OR 'walking aid'/exp OR 'orthosis'/exp OR 'orthotics'/exp OR cane:ti,ab OR canes:ti,ab OR crutch:ti,ab OR crutches:ti,ab OR orthotic:ti,ab OR orthotics:ti,ab OR orthoses:ti,ab OR orthosis:ti,ab OR braces:ti,ab OR bracing:ti,ab OR shoes:ti,ab OR insole:ti,ab OR insoles:ti,ab OR 'assistive device':ti,ab OR 'assistive devices':ti,ab OR 'walking aids':ti,ab OR walker:ti,ab OR walkers:ti,ab OR splints:ti,ab OR sleeves:ti,ab
7	signal peptide'/exp OR 'biological therapy'/exp OR 'biological product'/exp OR 'biological products therapeutic use'/exp OR 'thrombocyte rich plasma'/exp OR 'stem cell'/exp OR ('growth factor' or 'growth factors' or 'platelet rich plasma' or 'platelet-rich plasma' or 'PRP' or 'stem cell' or 'stem cells' or 'biologics' or 'minimally manipulated' or 'minimal manipulation' or 'blood product' or 'blood products' or prolotherapy or prolotherapies or orthobiologics):ti,ab OR ((biologic or biological or cell or cell-based or cellular)NEAR/2(therapy or therapies)):ti,ab
8	intraarticular drug administration'/exp OR 'viscosupplementation'/exp OR 'viscosupplement'/exp OR 'hyaluronic acid'/exp OR 'corticosteroid'/exp OR hyaluron*:ti,ab OR hylan:ti,ab OR viscosupplement*:ti,ab OR corticoid*:ti,ab OR cortical:ti,ab OR corticosteroid*:ti,ab OR 'cortico steroid':ti,ab OR corticotherapy:ti,ab OR ((intraarticular:ti,ab OR 'intra articular':ti,ab) AND (delivery:ti,ab OR administration:ti,ab OR injection*:ti,ab OR infusion:ti,ab OR injectable:ti,ab))



- 9 paracetamol'/exp OR 'nonsteroid antiinflammatory agent'/exp OR 'cyclooxygenase 2 inhibitor'/exp OR 'ibuprofen'/exp OR 'naproxen'/exp OR 'celecoxib'/exp OR 'diclofenac'/exp OR acetaminophen:ti,ab OR paracetamol:ti,ab OR tylenol:ti,ab OR nsaid:ti,ab OR ibuprofen:ti,ab OR ibuprophen:ti,ab OR advil:ti,ab OR flurbiprofen:ti,ab OR naproxen:ti,ab OR aleve:ti,ab OR celecoxib:ti,ab OR 'cox-2 inhibitor':ti,ab OR 'cox-2 inhibitors':ti,ab OR 'cox2 inhibitor':ti,ab OR 'cox2 inhibitors':ti,ab OR celebrex:ti,ab OR diclofenac:ti,ab OR misprostol:ti,ab OR sulindac:ti,ab OR ketoprofen:ti,ab OR tolmetin:ti,ab OR fenorpofen:ti,ab OR piroxicam:ti,ab OR etodolac:ti,ab OR indomethacin:ti,ab OR meloxicam:ti,ab OR mobic:ti,ab OR ketorolac:ti,ab OR toradol:ti,ab OR ((nonsteroidal:ti,ab OR 'non steroidal':ti,ab) AND ('anti inflammatory':ti,ab OR antiinflammatory:ti,ab))
- 10 narcotic agent'/exp OR 'narcotic analgesic agent'/exp OR narcotic\*:ti,ab OR opioid\*:ti,ab OR opiate\*:ti,ab OR papaver\*:ti,ab OR oxycodone:ti,ab OR oxycontin:ti,ab OR oxyer:ti,ab OR 'oxy-er':ti,ab OR 'oxy-crf':ti,ab OR 'oxyir':ti,ab OR 'oxy-ir':ti,ab OR percodan:ti,ab OR percocet:ti,ab OR endocet:ti,ab OR roxicet:ti,ab OR hydrocodone:ti,ab OR dihydrocodeinone:ti,ab OR vicodin:ti,ab OR vicoprofen:ti,ab OR norco:ti,ab OR lortrab:ti,ab OR lorcet:ti,ab OR oxymorphone:ti,ab OR opana:ti,ab OR morphine:ti,ab OR kadian:ti,ab OR avinza:ti,ab OR 'ms contin':ti,ab OR duramorph:ti,ab OR roxanol:ti,ab OR codeine:ti,ab OR fentanyl:ti,ab OR duragesic:ti,ab OR actiq:ti,ab OR sublimaze:ti,ab OR hydromorphone:ti,ab OR dilaudid:ti,ab OR meperidine:ti,ab OR demerol:ti,ab OR tramadol:ti,ab OR ultram:ti,ab OR buprenorphine:ti,ab OR propoxyphene:ti,ab OR darvocet:ti,ab OR omnopon:ti,ab OR methadone:ti,ab OR dolopphine:ti,ab OR methadose:ti,ab OR suboxone:ti,ab
- 11 body weight loss'/exp OR 'weight loss program'/exp OR 'body mass'/exp OR 'weight loss':ti,ab OR 'weight reduction':ti,ab OR 'body weight':ti,ab OR 'lose weight':ti,ab
- 12 lavage'/de OR 'knee arthroscopy'/exp OR 'meniscectomy'/exp OR lavage:ti,ab OR arthroscopy:ti,ab OR arthroscopic:ti,ab OR arthroendoscopy:ti,ab OR meniscectomy:ti,ab OR meniscectomies:ti,ab OR menisectomy:ti,ab OR ((meniscal:ti,ab OR meniscus:ti,ab) AND near3:ti,ab AND (repair:ti,ab OR resection:ti,ab OR resections:ti,ab OR removal:ti,ab OR excision:ti,ab))

- 13** acupuncture'/exp OR 'physiotherapy'/exp OR 'musculoskeletal manipulation'/exp OR 'electromyography'/exp OR 'electrotherapy'/exp OR 'ultrasound therapy'/exp OR 'low level laser therapy'/exp OR 'cryotherapy'/exp OR 'kinesiotherapy'/exp OR acupuncture OR pharmacoacupuncture OR acupotomy OR auriculotherapy OR 'dry needling' OR physiotherap\* OR 'physical therapy' OR 'physical therapies' OR manipulation OR manipulations OR massage OR 'manual therapy' OR 'manual therapies' OR mobilization OR 'transcutaneous electric nerve stimulation' OR 'tens' OR 'nmes' OR 'electrical stimulation' OR electrostimulation OR 'electric stimulation' OR 'electronic stimulation' OR electrotherapy OR 'nerve stimulation' OR 'muscle stimulation' OR electromyograph\* OR ultrasound OR laser OR shockwave OR 'shock wave' OR cryotherapy OR cryotherapies OR ice OR heat OR 'cold therapy' OR (('strength training':ti,ab OR muscle:ti,ab OR force:ti,ab OR resistance:ti,ab OR resistive:ti,ab OR exercise:ti,ab OR isometric\*:ti,ab OR isokinetic\*:ti,ab OR flexibility:ti,ab OR dynamic:ti,ab OR stretching:ti,ab) NOT 'knee arthroplasty'/exp/mj)
- 14** osteotomy'/exp or osteotom\*:ti,ab
- 15** pulsed radiofrequency treatment'/exp OR 'pulsed radiofrequency'/exp OR 'radiofrequency ablation'/de OR 'ablation therapy'/de OR 'catheter ablation'/exp OR 'thermal ablation'/exp OR 'thermal ablation therapy'/exp OR 'radiofrequency ablation':ti,ab OR 'radiofrequency neurotomy':ti,ab OR 'radiofrequency denervation':ti,ab OR 'radiofrequency thermocoagulation':ti,ab OR 'pulsed radiofrequency':ti,ab OR 'catheter ablation':ti,ab OR 'thermo-ablation':ti,ab OR 'thermal ablation':ti,ab OR ('nerve':ti,ab AND 'ablation':ti,ab)
- 16** glucosamine'/exp OR 'chondroitin'/exp OR 'dietary supplement'/exp OR 'ginger extract'/exp OR 'ginger oil'/exp OR 'ginger'/exp OR 'cannabinoid'/exp OR 'curcuma'/exp OR glucosamine:ti,ab OR chondroitin:ti,ab OR supplement:ti,ab OR supplements:ti,ab OR nutraceutical\*:ti,ab OR nutraceutical\*:ti,ab OR nutriceutical\*:ti,ab OR nutriceutical\*:ti,ab OR ginger:ti,ab OR cannabidiol:ti,ab OR 'cbd':ti,ab OR curcumin:ti,ab OR curcuma:ti,ab OR turmeric:ti,ab
- 17** 'cognitive behavioral therapy'/exp OR psychotherapy:ti,ab OR psychotherapies:ti,ab OR psychotherapeutic:ti,ab OR ((cogniti\* OR behavior\* OR behaviour\*) NEXT/1 (therapy OR therapies OR treatment\* OR intervention\*)):ti,ab OR (CBT:ti,ab NOT ('cord blood transplantation':ti,ab OR 'carotid body tumor':ti,ab OR 'cortical bone trajectory':ti,ab OR 'cortical bone thickness':ti,ab OR 'computer based training':ti,ab)) OR mindfulness:ti,ab
- 18** #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17
- 19** #5 and #18
- 20** #19 and [english]/lim and [2012-2019]/py

**Database:** Cochrane Central Register of Controlled Trials (CENTRAL)

**Interface:** Wiley (<https://www.cochranelibrary.com/central>)

**Date Searched:** April 28, 2020

LINE	SEARCH QUERY
1	[mh "osteoarthritis, knee"] or gonitis:ti,ab or gonarthriti:ti,ab or gonarthros*:ti,ab
2	[mh "knee joint"] or [mh "knee"] or (knee or knees or femorotibial or tibial or patella or patellar):ti,ab
3	[mh ^osteoarthritis] or [mh ^arthriti] (osteoarthriti* or osteo-arthriti* or osteo-arthros* or osteoarthros*).ti,ab. or ((non-inflamm* or noninflamm* or degenerat* or hypertropic) and (arthriti* or joint* or disease*)):ti,ab
4	#1 or (#2 and #3)
5	[mh ^"Self-Help Devices"] or [mh ^"Orthopedic Equipment"] or [mh ^"Canes"] or (cane or canes):ti,ab or [mh ^"Crutches"] or (crutch or crutches):ti,ab or [mh "Orthotic Devices"] or (orthotic or orthotics or orthoses or orthosis or braces or bracing or shoes or insole or insoles):ti,ab or [mh "Walkers"] or ("assistive device" or "assistive devices" or "walking aids" or walker or walkers or splints or sleeves):ti,ab
6	[mh "Intercellular Signaling Peptides and Proteins"] or ("growth factors" or "growth factor"):ti,ab or ((biological or biologic or cell or cell-based or cellular) AND (therapy or therapies)):ti,ab or ("platelet rich plasma" or "platelet-rich plasma" or "PRP" or "stem cell" or "stem cells"):ti,ab or "biologics":ti,ab or [mh "Biological Therapy"] or [mh "Biological Products"] or ("minimally manipulated" or "minimal manipulation" or "blood product" or "blood products"):ti,ab or [mh "Platelet-Rich Plasma"] or [mh "Stem Cells"] or [mh "Prolotherapy"] or (prolotherapy or prolotherapies):ti,ab or orthobiologics:ti,ab
7	[mh "Injections, Intra-Articular"] or [mh "Viscosupplementation"] or ((intraarticular or "intra articular") and (delivery OR administration OR injection* OR infusion or injectable)):ti,ab or [mh "Hyaluronic Acid"] or (hyaluron* OR "hylan"):ti,ab or [mh "Adrenal Cortex Hormones"] or (corticoid* or cortical or corticosteroid* or "cortico steroid" or corticotherapy):ti,ab or viscosupplement*:ti,ab
8	[mh "Acetaminophen"] or ("paracetamol" or "acetaminophen" or "Tylenol"):ti,ab or [mh "Anti-Inflammatory Agents, Non-Steroidal"] or "NSAIDs":ti,ab or [mh "Cyclooxygenase 2 Inhibitors"] or ((nonsteroidal or non-steroidal or "non steroidal") and (anti-inflammatory or "anti inflammatory" or antiinflammatory)):ti,ab or [mh "Ibuprofen"] or ("ibuprofen" or "ibuprophen" or Advil or flurbiprofen):ti,ab or [mh "Naproxen"] or (naproxen or Aleve):ti,ab or [mh "Celecoxib"] OR (celecoxib or "COX-2 inhibitor" or "COX-2 inhibitors" or "COX2 inhibitor" or "COX2 inhibitors" or Celebrex):ti,ab or [mh "Diclofenac"] or (diclofenac or misoprostol or sulindac or ketoprofen or tolmetin or etodolac or fenoprofen or piroxicam or etodolac or indomethacin or meloxicam or Mobic or ketorolac or Toradol):ti,ab
9	[mh Narcotics] or [mh "Analgesics, Opioid"] or (narcotic* or opioid* or opiate* or papaver* or oxycodone or Oxycontin or OxyER or "Oxy-ER" or "Oxy-CRF" or "OxyIR" or "Oxy-IR" or Percodan or Percocet or Endocet or Roxicet or hydrocodone or dihydrocodeinone or Vicodin or Vicoprofen or Norco or Lortrab or Lorcet or oxymorphone or Opana or morphine or Kadian or Avinza or "MS Contin" or Duramorph or Roxanol or codeine or fentanyl or Duragesic or Actiq or Sublimaze or hydromorphone or Dilaudid or meperidine or Demerol or tramadol or Ultram or buprenorphine or propoxyphene or Darvocet or Omnopon or methadone or Dolopphine or Methadose or suboxone ):ti,ab

- 10 [mh "Weight Loss"] or [mh "Weight Reduction Programs"] or ("weight loss" or "weight reduction" or "body weight" or "lose weight"):ti,ab or [mh "Body Mass Index"]
- 11 [mh "Therapeutic Irrigation"] or ("lavage"):ti,ab or [mh ^"Arthroscopy"] or (arthroscopy or arthroscopic or arthroendoscopy):ti,ab or [mh "Meniscectomy"] or (meniscectomy or meniscectomies or menisectomy):ti,ab or ((meniscus or meniscal) near/3 (repair or resection or resections or removal or excision)):ti,ab
- 12 ([mh "Acupuncture Therapy"] or (acupuncture or pharmacoacupuncture or acupotomy or auriculotherapy or "dry needling"):ti,ab or [mh "Physical Therapy Modalities"] or [mh "Musculoskeletal Manipulations"] or (physiotherap\* or "physical therapy" or "physical therapies" or manipulation or manipulations or massage or "manual therapy" or "manual therapies" or mobilization):ti,ab or [mh "Electromyography"] or [mh "Electric Stimulation Therapy"] or ("transcutaneous electric nerve stimulation" or "TENS" or "NMES" or "electrical stimulation" or electrostimulation or "electric stimulation" or "electronic stimulation" or electrotherapy or "nerve stimulation" or "muscle stimulation" or electromyograph\*):ti,ab or [mh "Ultrasonic Therapy"] or (ultrasound or laser or shockwave or "shock wave"):ti,ab or [mh "Laser Therapy"] or [mh "Cryotherapy"] or (cryotherapy or cryotherapies or ice or heat or "cold therapy"):ti,ab or [mh exercise] or [mh "exercise therapy"] or ("strength training" or muscle or force or resistance or resistive or exercise or isometric\* or isokinetic\* or flexibility or dynamic or stretching):ti,ab) not [mh "Arthroplasty, Replacement, Knee"[mj]]
- 13 [mh "Osteotomy"] or (osteotom\*):ti,ab
- 14 [mh "Ablation Techniques"] or [mh "Catheter ablation"] or [mh "Pulsed radiofrequency treatment"] or ("radiofrequency ablation" or "radiofrequency neurotomy" or "Radiofrequency denervation" or "radiofrequency thermocoagulation" or "pulsed radiofrequency" or "catheter ablation" or "thermo-ablation" or "thermal ablation" or (nerve) near/2 (ablation)):ti,ab or [mh "Denervation"] or (neurolysis or denervation or denervated or "nerve block" or "nerve blocks" or "nerve blockade" or "nerve blockades" or neurectom\* or neurotom\*):ti,ab
- 15 [mh "Glucosamine"] or glucosamine:ti,ab or [mh "Chondroitin"] or chondroitin:ti,ab or [mh "Dietary Supplements"] or (supplement or supplements or nutraceutical\* or nutraceutical\* or nutriceutical\* or neutriceutical\*):ti,ab or [mh ^Ginger] or ginger:ti,ab or [mh "Cannabinoids"] or (cannabidiol or CBD):ti,ab or [mh ^Curcumin] or [mh ^Curcuma] or (curcumin or curcuma or turmeric):ti,ab
- 16 psychotherapy:ti,ab OR psychotherapies:ti,ab OR psychotherapeutic:ti,ab OR ((cogniti\*:ti,ab OR behavior\*:ti,ab OR behaviour\*:ti,ab) AND (therapy:ti,ab OR therapies:ti,ab OR treatment\*:ti,ab OR intervention\*:ti,ab)) OR (CBT:ti,ab NOT ("cord blood transplanted":ti,ab OR "carotid body tumor":ti,ab OR "cortical bone trajectory":ti,ab OR "cortical bone thickness":ti,ab OR "computer based training":ti,ab)) OR mindfulness:ti,ab
- 17 #4 and (#5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16)
- 18 #17 not "conference abstract":pt

## Excluded Articles

Authors	Article Title	Year	Reason for Exclusion
Leopoldino, A. O.; Machado, G. C.; Ferreira, P. H.; Pinheiro, M. B.; Day, R.; McLachlan, A. J.; Hunter, D. J.; Ferreira, M. L.	Paracetamol versus placebo for knee and hip osteoarthritis	2019	systematic review* References Reviewed
Kim, S. H.; Ha, C. W.; Park, Y. B.; Nam, E.; Lee, J. E.; Lee, H. J.	Intra-articular injection of mesenchymal stem cells for clinical outcomes and cartilage repair in osteoarthritis of the knee: a meta-analysis of randomized controlled trials	2019	systematic review*
Anderson, M. L.; Allen, K. D.; Golightly, Y. M.; Arbeevea, L. S.; Goode, A.; Huffman, K. M.; Schwartz, T. A.; Hill, C. H.	Fall Risk and Utilization of Balance Training for Adults With Symptomatic Knee Osteoarthritis: Secondary Analysis From a Randomized Clinical Trial	2018	does not compare outcomes between treatment groups. is only a descriptive study of practice patterns
Hislop, A. C.; Collins, N. J.; Tucker, K.; Deasy, M.; Semciw, A. I.	Does adding hip exercises to quadriceps exercises result in superior outcomes in pain, function and quality of life for people with knee osteoarthritis? A systematic review and meta-analysis	2019	systematic review*
Arias-Vazquez, P. I.; Tovilla-Zarate, C. A.; Hernandez-Diaz, Y.; Gonzalez-Castro, T. B.; Juarez-Rojop, I. E.; Lopez-Narvaez, M. L.; Bermudez-Ocana, D. Y.; Barjau-Madriral, H. A.; Legorreta-Ramirez, G.	Short term therapeutic effects of ozone in the management of pain in knee osteoarthritis: A Meta-analysis	2019	systematic review*
Lee, B.; Parvizi, J.; Bramlet, D.; Romness, D. W.; Guermazi, A.; Noh, M.; Sodhi, N.; Khlopas, A.; Mont, M. A.	Results of a Phase II Study to Determine the Efficacy and Safety of Genetically Engineered Allogeneic Human Chondrocytes Expressing TGF-beta1	2019	not relevant to pico question
Law, L.; Hunt, C. L.; van Wijnen, A. J.; Nassr, A.; Larson, A. N.; Eldrige, J. S.; Mauck, W. D.; Pingree, M. J.; Yang, J.; Muir, C. W.; Erwin, P. J.; Bydon, M.; Qu, W.	Office-Based Mesenchymal Stem Cell Therapy for the Treatment of Musculoskeletal Disease: A Systematic Review of Recent Human Studies	2018	systematic review*
Cuellar, W. A.; Blizzard, L.; Hides, J. A.; Callisaya, M. L.; Jones, G.; Cicuttini, F.; Wluka, A. E.; Ding, C.; Winzenberg, T. M.	Vitamin D supplements for trunk muscle morphology in older adults: secondary analysis of a randomized controlled trial	2018	all relevant data included in prev published trial (#9200)

Devrimsel, G.; Metin, Y.; Serdaroglu Beyazal, M.	Short-term effects of neuromuscular electrical stimulation and ultrasound therapies on muscle architecture and functional capacity in knee osteoarthritis: a randomized study	2018	<30 patients per group
Neelapala, Y. V. R.; Bhagat, M.; Shah, P.	Hip Muscle Strengthening for Knee Osteoarthritis: A Systematic Review of Literature	2018	systematic review*
Van Ginckel, A.; Hall, M.; Dobson, F.; Calders, P.	Effects of long-term exercise therapy on knee joint structure in people with knee osteoarthritis: A systematic review and meta-analysis	2018	systematic review*
Tegiacchi, T.	Interaction of energetic points, tendinomuscular meridian and 5 elements in the treatment of osteoarthritis of the knee in patients over 45 years old: a randomized controlled trial	2018	<30 patients per group
de Matos Brunelli Braghin, R.; Libardi, E. C.; Junqueira, C.; Rodrigues, N. C.; Nogueira-Barbosa, M. H.; Renno, A. C. M.; Carvalho de Abreu, D. C.	The effect of low-level laser therapy and physical exercise on pain, stiffness, function, and spatiotemporal gait variables in subjects with bilateral knee osteoarthritis: a blind randomized clinical trial	2018	less than 30 per group
Shanmugaraj, A.; Coughlin, R. P.; Kuper, G. N.; Ekhtiari, S.; Simunovic, N.; Musahl, V.; Ayeni, O. R.	Changing trends in the use of cartilage restoration techniques for the patellofemoral joint: a systematic review	2018	systematic review*
Khan, S. J.; Khan, S. S.; Usman, J.; Mokhtar, A. H.; Abu Osman, N. A.	Combined effects of knee brace, laterally wedged insoles, and toe-out gait on knee adduction moment and fall risk in moderate medial knee osteoarthritis patients	2018	<30 patients per group
Marouf, B. H.; Hussain, S. A.; Ali, Z. S.; Ahmmad, R. S.	Resveratrol Supplementation Reduces Pain and Inflammation in Knee Osteoarthritis Patients Treated with Meloxicam: A Randomized Placebo-Controlled Study	2018	repeat of #8322
Karpinski, K.; Muller-Rath, R.; Niemeyer, P.; Angele, P.; Petersen, W.	Subgroups of patients with osteoarthritis and medial meniscus tear or crystal arthropathy benefit from arthroscopic treatment	2018	systematic review
Maheu, E.; Bannuru, R. R.; Herrero-Beaumont, G.; Allali, F.; Bard, H.; Migliore, A.	Why we should definitely include intra-articular hyaluronic acid as a therapeutic option in the management of knee osteoarthritis: Results of an extensive critical literature review	2018	systematic review
Hall, M.; Castelein, B.; Wittoek, R.; Calders, P.; Van Ginckel, A.	Diet-induced weight loss alone or combined with exercise in overweight or obese people with knee osteoarthritis: A systematic review and meta-analysis	2018	systematic review*

Smith, C.; Patel, R.; Vannabouathong, C.; Sales, B.; Rabinovich, A.; McCormack, R.; Belzile, E. L.; Bhandari, M.	Combined intra-articular injection of corticosteroid and hyaluronic acid reduces pain compared to hyaluronic acid alone in the treatment of knee osteoarthritis	2018	systematic review*
Coskun Benlidayi, I.; Gokcen, N.; Basaran, S.	Comparative short-term effectiveness of ibuprofen gel and cream phonophoresis in patients with knee osteoarthritis	2018	same drug; gel vs cream
Lee, S. H.; Lee, O. S.; Kim, S. T.; Lee, Y. S.	Revisiting Arthroscopic Partial Meniscectomy for Degenerative Tears in Knees With Mild or No Osteoarthritis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials	2018	systematic review*
Bricca, A.; Juhl, C. B.; Steultjens, M.; Wirth, W.; Roos, E. M.	Impact of exercise on articular cartilage in people at risk of, or with established, knee osteoarthritis: a systematic review of randomised controlled trials	2018	systematic review*
Dai, W. L.; Lin, Z. M.; Guo, D. H.; Shi, Z. J.; Wang, J.	Efficacy and Safety of Hylan versus Hyaluronic Acid in the Treatment of Knee Osteoarthritis	2018	systematic review*
Holt, R. J.; Fort, J. G.; Grahn, A. Y.; Kent, J. D.; Bello, A. E.	Onset and durability of pain relief in knee osteoarthritis: pooled results from two placebo trials of naproxen/esomeprazole combination and celecoxib	2015	pooled analysis; individual articles are published prior to 2012
Wang, F.; He, X.	Intra-articular hyaluronic acid and corticosteroids in the treatment of knee osteoarthritis: A meta-analysis	2015	systematic review*
Focht, B. C.	Move to Improve: How Knee Osteoarthritis Patients Can Use Exercise to Enhance Quality of Life	2012	
Skelly, A. C.; Chou, R.; Dettori, J. R.; Turner, J. A.; Friedly, J. L.; Rundell, S. D.; Fu, R.; Brodt, E. D.; Wasson, N.; Winter, C.; Ferguson, A. J. R.	(untitled)	2018	systematic review
Hay, E.; Dziedzic, K.; Foster, N.; Peat, G.; van der Windt, D.; Bartlam, B.; Blagojevic-Bucknall, M.; Edwards, J.; Healey, E.; Holden, M.; Hughes, R.; Jinks, C.; Jordan, K.; Jowett, S.; Lewis, M.; Mallen, C.; Morden, A.; Nicholls, E.; Ong, B. N.; Porcheret, M.; Wulff, J.; Kigozi, J.; Oppong, R.; Paskins, Z.; Croft, P.	(untitled)	2018	systematic review

Newberry, S. J.; FitzGerald, J.; SooHoo, N. F.; Booth, M.; Marks, J.; Motala, A.; Apaydin, E.; Chen, C.; Raaen, L.; Shanman, R.; Shekelle, P. G.	(untitled)	2017	systematic review
MacPherson, H.; Vickers, A.; Bland, M.; Torgerson, D.; Corbett, M.; Spackman, E.; Saramago, P.; Woods, B.; Weatherly, H.; Sculpher, M.; Manca, A.; Richmond, S.; Hopton, A.; Eldred, J.; Watt, I.	(untitled)	2017	systematic review* References Reviewed
Hong, H.; Carlin, B. P.; Chu, H.; Shamliyan, T. A.; Wang, S.; Kane, R. L.	(untitled)	2013	systematic review
Shamliyan, T. A.; Wang, S. Y.; Olson-Kellogg, B.; Kane, R. L.	(untitled)	2012	systematic review
Gato-Calvo, L.; Magalhaes, J.; Ruiz-Romero, C.; Blanco, F. J.; Burguera, E. F.	Platelet-rich plasma in osteoarthritis treatment: review of current evidence	2019	systematic review* References Reviewed
Matas, J.; Orrego, M.; Amenabar, D.; Infante, C.; Tapia-Limonchi, R.; Cadiz, M. I.; Alcayaga-Miranda, F.; Gonzalez, P. L.; Muse, E.; Khoury, M.; Figueroa, F. E.; Espinoza, F.	Umbilical Cord-Derived Mesenchymal Stromal Cells (MSCs) for Knee Osteoarthritis: Repeated MSC Dosing Is Superior to a Single MSC Dose and to Hyaluronic Acid in a Controlled Randomized Phase I/II Trial	2019	<30 patients per group
Guo, J.; Chen, Y.; Li, Z.; Cheng, S.; Tang, C.; Dong, X.; He, W.; Huang, Y.; Yin, B.; Sheng, Y.; Zhou, J.; Li, A.; Zeng, F.; Lan, L.; Liang, F.	The cerebral mechanism of acupuncture for treating knee osteoarthritis: study protocol for a randomized controlled trial	2019	study protocol
Abbott, J. H.; Wilson, R.; Pinto, D.; Chapple, C. M.; Wright, A. A.; M. O. A. Trial team	Incremental clinical effectiveness and cost effectiveness of providing supervised physiotherapy in addition to usual medical care in patients with osteoarthritis of the hip or knee: 2-year results of the MOA randomised controlled trial	2019	less than 80% oak
Smith, C. L.; Jin, Y.; Raddad, E.; McNearney, T. A.; Ni, X.; Monteith, D.; Brown, R.; Deeg, M. A.; Schnitzer, T.	Applications of Bayesian statistical methodology to clinical trial design: A case study of a phase 2 trial with an interim futility assessment in patients with knee osteoarthritis	2019	irrelevant topic: statistical methodology investigation



Balasukumaran, T.; Olivier, B.; Ntsiea, M. V.	The effectiveness of backward walking as a treatment for people with gait impairments: a systematic review and meta-analysis	2019	systematic review*
Barber-Westin, S.; Noyes, F. R.	Blood Flow-Restricted Training for Lower Extremity Muscle Weakness due to Knee Pathology: A Systematic Review	2019	systematic review
Shellington, E. M.; Gill, D. P.; Shigematsu, R.; Petrella, R. J.	Innovative Exercise as an Intervention for Older Adults with Knee Osteoarthritis: A Pilot Feasibility Study	2019	less than 30 per group
Kumaran, B.; Watson, T.	Treatment using 448kHz capacitive resistive monopolar radiofrequency improves pain and function in patients with osteoarthritis of the knee joint: a randomised controlled trial	2019	<30 patients per group
Suzuki, Y.; Iijima, H.; Tashiro, Y.; Kajiwara, Y.; Zeidan, H.; Shimoura, K.; Nishida, Y.; Bito, T.; Nakai, K.; Tatsumi, M.; Yoshimi, S.; Tsuboyama, T.; Aoyama, T.	Home exercise therapy to improve muscle strength and joint flexibility effectively treats pre-radiographic knee OA in community-dwelling elderly: a randomized controlled trial	2019	less than 30 patients per group
Kus, G.; Yeldan, I.	Strengthening the quadriceps femoris muscle versus other knee training programs for the treatment of knee osteoarthritis	2019	systematic review*
Arsenault, P.; Chiche, D.; Brown, W.; Miller, J.; Treister, R.; Leff, R.; Walker, P.; Katz, N.	NEO6860, modality-selective TRPV1 antagonist: a randomized, controlled, proof-of-concept trial in patients with osteoarthritis knee pain	2018	<4 week follow up
Torstensen, T. A.; Grooten, W. J. A.; Osteras, H.; Heijne, A.; Harms-Ringdahl, K.; Ang, B. O.	How does exercise dose affect patients with long-term osteoarthritis of the knee? A study protocol of a randomised controlled trial in Sweden and Norway: the SWENOR Study	2018	study protocol
Goulet, J. L.; Buta, E.; Brennan, M.; Heapy, A.; Fraenkel, L.	Discontinuing a non-steroidal anti-inflammatory drug (NSAID) in patients with knee osteoarthritis: Design and protocol of a placebo-controlled, noninferiority, randomized withdrawal trial	2018	study protocol
Tu, J. F.; Yang, J. W.; Lin, L. L.; Wang, T. Q.; Du, Y. Z.; Liu, Z. S.; Hu, H.; Zhao, J. J.; Yu, X. G.; Jia, C. S.; Wang, J.; Wang, T.; Hou, Y. Q.; Zou, X.; Wang, Y.; Shao, J. K.; Wang, L. Q.; Yu, Z. S.; Liu, C. Z.	Efficacy of electro-acupuncture and manual acupuncture versus sham acupuncture for knee osteoarthritis: study protocol for a randomised controlled trial	2019	study protocol

Kise, N. J.; Risberg, M. A.; Stensrud, S.; Ranstam, J.; Engebretsen, L.; Roos, E. M.	Exercise therapy versus arthroscopic partial meniscectomy for degenerative meniscal tear in middle aged patients: randomised controlled trial with two year follow-up	2016	most patients did not have osteoarthritis at baseline
Henriksen, M.; Klokke, L.; Bartholdy, C.; Schjoedt-Jorgensen, T.; Bandak, E.; Bliddal, H.	No effects of functional exercise therapy on walking biomechanics in patients with knee osteoarthritis: exploratory outcome analyses from a randomised trial	2016	less than 30 patients per group
Sullivan, J. K.; Irrgang, J. J.; Losina, E.; Safran-Norton, C.; Collins, J.; Shrestha, S.; Selzer, F.; Bennell, K.; Bisson, L.; Chen, A. T.; Dawson, C. K.; Gil, A. B.; Jones, M. H.; Kluczynski, M. A.; Lafferty, K.; Lange, J.; Lape, E. C.; Leddy, J.; Mares, A. V.; Spindler, K.; Turczyk, J.; Katz, J. N.	The TeMPO trial (treatment of meniscal tears in osteoarthritis): rationale and design features for a four arm randomized controlled clinical trial	2018	study protocol only
Uslu Guvendi, E.; Askin, A.; Guvendi, G.; Kocyigit, H.	Comparison of Efficiency Between Corticosteroid and Platelet Rich Plasma Injection Therapies in Patients With Knee Osteoarthritis	2018	<30 patients per group
Nicholls, M.; Shaw, P.; Niazi, F.; Bhandari, M.; Bedi, A.	The Impact of Excluding Patients with End-Stage Knee Disease in Intra-Articular Hyaluronic Acid Trials: A Systematic Review and Meta-Analysis	2019	systematic review* References Reviewed
Lee, A. C.; Harvey, W. F.; Price, L. L.; Han, X.; Driban, J. B.; Iversen, M. D.; Desai, S. A.; Knopp, H. E.; Wang, C.	Dose-Response Effects of Tai Chi and Physical Therapy Exercise Interventions in Symptomatic Knee Osteoarthritis	2018	duplicate data
Nakhostin-Roohi, B.; Khoshkharesh, F.; Bohlooli, S.	Effect of virgin olive oil versus piroxicam phonophoresis on exercise-induced anterior knee pain	2016	insufficient data for target condition: no OAK pts
Jones, D.; Skrepnik, N.; Toselli, R. M.; Leroy, B.	Incorporating Novel Mobile Health Technologies Into Management of Knee Osteoarthritis in Patients Treated With Intra-Articular Hyaluronic Acid: Rationale and Protocol of a Randomized Controlled Trial	2016	trial protocol only
Rausch Osthoff, A. K.; Juhl, C. B.; Knittle, K.; Dagfinrud, H.; Hurkmans, E.; Braun, J.; Schoones, J.; Vliet Vlieland, T. P. M.; Niedermann, K.	Effects of exercise and physical activity promotion: meta-analysis informing the 2018 EULAR recommendations for physical activity in people with rheumatoid arthritis, spondyloarthritis and hip/knee osteoarthritis	2018	systematic review*

Zhang, B.; Yu, X.; Liang, L.; Zhu, L.; Dong, X.; Xiong, Y.; Pan, Q.; Sun, Y.	Is the Wedged Insole an Effective Treatment Option When Compared with a Flat (Placebo) Insole: A Systematic Review and Meta-Analysis	2018	systematic review*
Basu, A.; Kurien, B. T.; Tran, H.; Byrd, B.; Maher, J.; Schell, J.; Masek, E.; Barrett, J. R.; Lyons, T. J.; Betts, N. M.; Hal Scofield, R.	Strawberries decrease circulating levels of tumor necrosis factor and lipid peroxides in obese adults with knee osteoarthritis	2018	<30 patients per group
Lin, K. Y.; Yang, C. C.; Hsu, C. J.; Yeh, M. L.; Renn, J. H.	Intra-articular Injection of Platelet-Rich Plasma Is Superior to Hyaluronic Acid or Saline Solution in the Treatment of Mild to Moderate Knee Osteoarthritis: A Randomized, Double-Blind, Triple-Parallel, Placebo-Controlled Clinical Trial	2019	less than 30 patients per group
Ha, C. W.; Park, Y. B.; Kim, S. H.; Lee, H. J.	Intra-articular Mesenchymal Stem Cells in Osteoarthritis of the Knee: A Systematic Review of Clinical Outcomes and Evidence of Cartilage Repair	2019	systematic review*
Di, Y.; Han, C.; Zhao, L.; Ren, Y.	Is local platelet-rich plasma injection clinically superior to hyaluronic acid for treatment of knee osteoarthritis? A systematic review of randomized controlled trials	2018	systematic review*
Wang, Y.; Lombard, C.; Hussain, S. M.; Harrison, C.; Kozica, S.; Brady, S. R. E.; Teede, H.; Cicuttini, F. M.	Effect of a low-intensity, self-management lifestyle intervention on knee pain in community-based young to middle-aged rural women: a cluster randomised controlled trial	2018	unclear if knee pain population was specific to osteoarthritis patients
Nero, H.; Ranstam, J.; Kiadaliri, A. A.; Dahlberg, L. E.	Evaluation of a digital platform for osteoarthritis treatment: study protocol for a randomised clinical study	2018	trial protocol only
Treister, R.; Suzan, E.; Lawal, O. D.; Katz, N. P.	Staircase-evoked Pain May be More Sensitive Than Traditional Pain Assessments in Discriminating Analgesic Effects: A Randomized, Placebo-controlled Trial of Naproxen in Patients With Osteoarthritis of the Knee	2019	cross-over study: 1 week treatment periods
Jones, I. A.; Wilson, M.; Togashi, R.; Han, B.; Mircheff, A. K.; Thomas Vangsness, C., Jr.	A randomized, controlled study to evaluate the efficacy of intra-articular, autologous adipose tissue injections for the treatment of mild-to-moderate knee osteoarthritis compared to hyaluronic acid: a study protocol	2018	study protocol
Wu, Y. T.; Hsu, K. C.; Li, T. Y.; Chang, C. K.; Chen, L. C.	Effects of Platelet-Rich Plasma on Pain and Muscle Strength in Patients With Knee Osteoarthritis	2018	less than 30 patients per group
Wagner, A.; Luna, S.	Effect of Footwear on Joint Pain and Function in Older Adults With Lower Extremity Osteoarthritis	2018	systematic review*

Wang, Z.; Zeng, Y.; She, W.; Luo, X.; Cai, L.	Is opening-wedge high tibial osteotomy superior to closing-wedge high tibial osteotomy in treatment of unicompartmental osteoarthritis? A meta-analysis of randomized controlled trials	2018	systematic review
Zhu, X.; Sang, L.; Wu, D.; Rong, J.; Jiang, L.	Effectiveness and safety of glucosamine and chondroitin for the treatment of osteoarthritis: a meta-analysis of randomized controlled trials	2018	systematic review* References Reviewed
Kong, J.; Wang, Z.; Leiser, J.; Minicucci, D.; Edwards, R.; Kirsch, I.; Wasan, A. D.; Lang, C.; Gerber, J.; Yu, S.; Napadow, V.; Kaptchuk, T. J.; Gollub, R. L.	Enhancing treatment of osteoarthritis knee pain by boosting expectancy: A functional neuroimaging study	2018	< 30 pts per group; n1 = 17, n2 =17, n3 = 12
Wyszynska, J.; Bal-Bochenska, M.	Efficacy of High-Intensity Laser Therapy in Treating Knee Osteoarthritis: A First Systematic Review	2018	systematic review* References Reviewed
Sihvonen, R.; Paavola, M.; Malmivaara, A.; Itala, A.; Joukainen, A.; Nurmi, H.; Kalske, J.; Ikonen, A.; Jarvela, T.; Jarvinen, T. A. H.; Kanto, K.; Karhunen, J.; Knifund, J.; Kroger, H.; Kaariainen, T.; Lehtinen, J.; Nyrhinen, J.; Paloneva, J.; Paivaniemi, O.; Raivio, M.; Sahlman, J.; Sarvilinna, R.; Tukiainen, S.; Valimaki, V. V.; Aarimaa, V.; Toivonen, P.; Jarvinen, T. L. N.; Fidelity Investigators	Arthroscopic partial meniscectomy versus placebo surgery for a degenerative meniscus tear: a 2-year follow-up of the randomised controlled trial	2018	No OAK
Arshi, A.; Fabricant, P. D.; Go, D. E.; Williams, R. J.; McAllister, D. R.; Jones, K. J.	Can Biologic Augmentation Improve Clinical Outcomes Following Microfracture for Symptomatic Cartilage Defects of the Knee? A Systematic Review	2018	systematic review
Campbell, T. M.; Ghaedi, B. B.; Tanjong Ghogomu, E.; Welch, V.	Shoe Lifts for Leg Length Discrepancy in Adults With Common Painful Musculoskeletal Conditions: A Systematic Review of the Literature	2018	systematic review
Kim, M. K.; Ha, C. W.; In, Y.; Cho, S. D.; Choi, E. S.; Ha, J. K.; Lee, J. H.; Yoo, J. D.; Bin, S. I.; Choi, C. H.; Kyung, H. S.; Lee, M. C.	A Multicenter, Double-Blind, Phase III Clinical Trial to Evaluate the Efficacy and Safety of a Cell and Gene Therapy in Knee Osteoarthritis Patients	2018	not relevant to pico question

Zhou, X. Y.; Zhang, X. X.; Yu, G. Y.; Zhang, Z. C.; Wang, F.; Yang, Y. L.; Li, M.; Wei, X. Z.	Effects of Low-Intensity Pulsed Ultrasound on Knee Osteoarthritis: A Meta-Analysis of Randomized Clinical Trials	2018	systematic review* References Reviewed
Ogata, T.; Ideno, Y.; Akai, M.; Seichi, A.; Hagino, H.; Iwaya, T.; Doi, T.; Yamada, K.; Chen, A. Z.; Li, Y.; Hayashi, K.	Effects of glucosamine in patients with osteoarthritis of the knee: a systematic review and meta-analysis	2018	systematic review* References Reviewed
Bannuru, R. R.; Osani, M. C.; Al-Eid, F.; Wang, C.	Efficacy of curcumin and Boswellia for knee osteoarthritis: Systematic review and meta-analysis	2018	systematic review* References Reviewed
Dong, R.; Wu, Y.; Xu, S.; Zhang, L.; Ying, J.; Jin, H.; Wang, P.; Xiao, L.; Tong, P.	Is aquatic exercise more effective than land-based exercise for knee osteoarthritis?	2018	systematic review* References Reviewed
Li, Q.; Qi, X.; Zhang, Z.	Intra-articular oxygen-ozone versus hyaluronic acid in knee osteoarthritis: A meta-analysis of randomized controlled trials	2018	systematic review
Anwer, S.; Alghadir, A.; Zafar, H.; Brismee, J. M.	Effects of orthopaedic manual therapy in knee osteoarthritis: a systematic review and meta-analysis	2018	systematic review
Umehara, T.; Tanaka, R.	Effective exercise intervention period for improving body function or activity in patients with knee osteoarthritis undergoing total knee arthroplasty: a systematic review and meta-analysis	2018	systematic review
Taylor, S. S.; Oddone, E. Z.; Coffman, C. J.; Jeffreys, A. S.; Bosworth, H. B.; Allen, K. D.	Cognitive Mediators of Change in Physical Functioning in Response to a Multifaceted Intervention for Managing Osteoarthritis	2018	secondary analysis of excluded rct #1191
Gregori, D.; Giacobelli, G.; Minto, C.; Barbetta, B.; Gualtieri, F.; Azzolina, D.; Vaghi, P.; Rovati, L. C.	Association of Pharmacological Treatments With Long-term Pain Control in Patients With Knee Osteoarthritis: A Systematic Review and Meta-analysis	2018	systematic review
Jung, S. Y.; Jang, E. J.; Nam, S. W.; Kwon, H. H.; Im, S. G.; Kim, D.; Cho, S. K.; Kim, D.; Sung, Y. K.	Comparative effectiveness of oral pharmacologic interventions for knee osteoarthritis: A network meta-analysis	2018	systematic review* References Reviewed
Kim, D. H.; Choi, S. S.; Yoon, S. H.; Lee, S. H.; Seo, D. K.; Lee, I. G.; Choi, W. J.; Shin, J. W.	Ultrasound-Guided Genicular Nerve Block for Knee Osteoarthritis: A Double-Blind, Randomized Controlled Trial of Local Anesthetic Alone or in Combination with Corticosteroid	2018	<30 patients per group
Altman, R.; Hackel, J.; Niazi, F.; Shaw, P.; Nicholls, M.	Efficacy and safety of repeated courses of hyaluronic acid injections for knee osteoarthritis: A systematic review	2018	systematic review

Hussain, S. A.; Marouf, B. H.; Ali, Z. S.; Ahmmad, R. S.	Efficacy and safety of co-administration of resveratrol with meloxicam in patients with knee osteoarthritis: a pilot interventional study	2018	duplicate publication another journal
Simental-Mendia, M.; Sanchez-Garcia, A.; Vilchez-Cavazos, F.; Acosta-Olivo, C. A.; Pena-Martinez, V. M.; Simental-Mendia, L. E.	Effect of glucosamine and chondroitin sulfate in symptomatic knee osteoarthritis: a systematic review and meta-analysis of randomized placebo-controlled trials	2018	systematic review* References Reviewed
Gay, C.; Guiguet-Auclair, C.; Pereira, B.; Goldstein, A.; Bareyre, L.; Coste, N.; Coudeyre, E.	Efficacy of self-management exercise program with spa therapy for behavioral management of knee osteoarthritis: research protocol for a quasi-randomized controlled trial (GEET one)	2018	trial protocol only
Zhang, J.; Wang, Q.; Zhang, C.	Ineffectiveness of lateral-wedge insoles on the improvement of pain and function for medial knee osteoarthritis: a meta-analysis of controlled randomized trials	2018	systematic review*
Azma, K.; RezaSoltani, Z.; Rezaeimoghaddam, F.; Dadarkhah, A.; Mohsenolhosseini, S.	Efficacy of tele-rehabilitation compared with office-based physical therapy in patients with knee osteoarthritis: A randomized clinical trial	2018	less than 30 patients per group
Gupta, P. K.; Chullikana, A.; Rengasamy, M.; Shetty, N.; Pandey, V.; Agarwal, V.; Wagh, S. Y.; Vellotare, P. K.; Damodaran, D.; Viswanathan, P.; Thej, C.; Balasubramanian, S.; Majumdar, A. S.	Efficacy and safety of adult human bone marrow-derived, cultured, pooled, allogeneic mesenchymal stromal cells (Stempeucel): preclinical and clinical trial in osteoarthritis of the knee joint	2016	less than 30 patients per group
MacPherson, H.; Vertosick, E. A.; Foster, N. E.; Lewith, G.; Linde, K.; Sherman, K. J.; Witt, C. M.; Vickers, A. J.	The persistence of the effects of acupuncture after a course of treatment: a meta-analysis of patients with chronic pain	2017	systematic review
Bhatia, A.; Peng, P.; Cohen, S. P.	Radiofrequency Procedures to Relieve Chronic Knee Pain: An Evidence-Based Narrative Review	2016	systematic review; bib reviewed
Huang, Z.; Chen, J.; Ma, J.; Shen, B.; Pei, F.; Kraus, V. B.	Effectiveness of low-level laser therapy in patients with knee osteoarthritis: a systematic review and meta-analysis	2015	systematic review* References Reviewed
Lui, M.; Jones, C. A.; Westby, M. D.	Effect of non-surgical, non-pharmacological weight loss interventions in patients who are obese prior to hip and knee arthroplasty surgery: a rapid review	2015	systematic review

Foster, N. E.; Healey, E. L.; Holden, M. A.; Nicholls, E.; Whitehurst, D. G.; Jowett, S.; Jinks, C.; Roddy, E.; Hay, E. M.; Beep trial team	A multicentre, pragmatic, parallel group, randomised controlled trial to compare the clinical and cost-effectiveness of three physiotherapy-led exercise interventions for knee osteoarthritis in older adults: the BEEP trial protocol (ISRCTN: 93634563)	2014	trial protocol only
Derry, S.; Conaghan, P.; Da Silva, J. A.; Wiffen, P. J.; Moore, R. A.	Topical NSAIDs for chronic musculoskeletal pain in adults	2016	systematic review
Puljak, L.; Marin, A.; Vrdoljak, D.; Markotic, F.; Utrobicic, A.; Tugwell, P.	Celecoxib for osteoarthritis	2017	systematic review
Brouwer, R. W.; Huizinga, M. R.; Duivenvoorden, T.; van Raaij, T. M.; Verhagen, A. P.; Bierma-Zeinstra, S. M.; Verhaar, J. A.	Osteotomy for treating knee osteoarthritis	2014	systematic review* References Reviewed
Santos, J.; Alarcao, J.; Fareleira, F.; Vaz-Carneiro, A.; Costa, J.	Tapentadol for chronic musculoskeletal pain in adults	2015	systematic review* References Reviewed
Derry, S.; Moore, R. A.; Rabbie, R.	Topical NSAIDs for chronic musculoskeletal pain in adults	2012	systematic review* References Reviewed
Fransen, M.; McConnell, S.; Harmer, A. R.; Van der Esch, M.; Simic, M.; Bennell, K. L.	Exercise for osteoarthritis of the knee	2015	systematic review
Cameron, M.; Chrubasik, S.	Topical herbal therapies for treating osteoarthritis	2013	systematic review* References Reviewed
Fidelix, T. S.; Macedo, C. R.; Maxwell, L. J.; Fernandes Moca Trevisani, V.	Diacerein for osteoarthritis	2014	systematic review
Bartels, E. M.; Juhl, C. B.; Christensen, R.; Hagen, K. B.; Danneskiold-Samsoe, B.; Dagfinrud, H.; Lund, H.	Aquatic exercise for the treatment of knee and hip osteoarthritis	2016	systematic review* References Reviewed
Duivenvoorden, T.; Brouwer, R. W.; van Raaij, T. M.; Verhagen, A. P.; Verhaar, J. A.; Bierma-Zeinstra, S. M.	Braces and orthoses for treating osteoarthritis of the knee	2015	systematic review
da Costa, B. R.; Nuesch, E.; Kasteler, R.; Husni, E.; Welch, V.; Rutjes, A. W.; Juni, P.	Oral or transdermal opioids for osteoarthritis of the knee or hip	2014	systematic review* References Reviewed
Regnaud, J. P.; Lefevre-Colau, M. M.; Trinquart, L.; Nguyen, C.; Boutron, I.; Brosseau, L.; Ravaud, P.	High-intensity versus low-intensity physical activity or exercise in people with hip or knee osteoarthritis	2015	systematic review* References Reviewed

Hurley, M.; Dickson, K.; Hallett, R.; Grant, R.; Hauari, H.; Walsh, N.; Stansfield, C.; Oliver, S.	Exercise interventions and patient beliefs for people with hip, knee or hip and knee osteoarthritis: a mixed methods review	2018	systematic review
Brosseau, L.; Macleay, L.; Welch, V.; Tugwell, P.; Wells, G. A.	WITHDRAWN: Intensity of exercise for the treatment of osteoarthritis	2013	systematic review
Gay, C.; Chabaud, A.; Guilley, E.; Coudeyre, E.	Educating patients about the benefits of physical activity and exercise for their hip and knee osteoarthritis. Systematic literature review	2016	systematic review* References Reviewed
Coudeyre, E.; Jegu, A. G.; Giustanini, M.; Marrel, J. P.; Edouard, P.; Pereira, B.	Isokinetic muscle strengthening for knee osteoarthritis: A systematic review of randomized controlled trials with meta-analysis	2016	systematic review* References Reviewed
Anonymous,	Two new intra-articular injections for knee osteoarthritis	2018	review
Kloek, C. J. J.; van Dongen, J. M.; de Bakker, D. H.; Bossen, D.; Dekker, J.; Veenhof, C.	Cost-effectiveness of a blended physiotherapy intervention compared to usual physiotherapy in patients with hip and/or knee osteoarthritis: a cluster randomized controlled trial	2018	secondary analysis of excluded rct #748
Shen, S.; Gao, Z.; Liu, J.	The efficacy and safety of methylprednisolone for pain control after total knee arthroplasty: A meta-analysis of randomized controlled trials	2018	systematic review that isn't relevant since it evaluates steroids after TKA
DiNubile, N.	Glucosamine and Chondroitin Sulfate: What Has Been Learned Since the Glucosamine/chondroitin Arthritis Intervention Trial	2018	narrative review
Sit, R. W. S.; Wu, R. W. K.; Reeves, K. D.; Rabago, D.; Chan, D. C. C.; Yip, B. H. K.; Chung, V. C. H.; Wong, S. Y. S.	Efficacy of intra-articular hypertonic dextrose prolotherapy versus normal saline for knee osteoarthritis: a protocol for a triple-blinded randomized controlled trial	2018	study protocol
Hall, M.; Bennell, K. L.; Beavers, D. P.; Wrigley, T. V.; DeVita, P.; Messier, S. P.	Does frontal knee kinematics predict treatment outcomes? Exploratory analyses from the Intensive Diet and Exercise for Arthritis (IDEA) trial	2018	no patient oriented outcomes
Hassan, F.; Murrell, W. D.; Refalo, A.; Maffulli, N.	Alternatives to Biologics in Management of Knee Osteoarthritis: A Systematic Review	2018	systematic review* References Reviewed
Karlapudi, V.; Prasad Mungara, A. V. V.; Sengupta, K.; Davis, B. A.; Raychaudhuri, S. P.	A Placebo-Controlled Double-Blind Study Demonstrates the Clinical Efficacy of a Novel Herbal Formulation for Relieving Joint Discomfort in Human Subjects with Osteoarthritis of Knee	2018	irrelevant topic; animal study
Bao, X.; Tan, J. W.; Flyzik, M.; Ma, X. C.; Liu, H.; Liu, H. Y.	Effect of therapeutic exercise on knee osteoarthritis after intra-articular injection of botulinum toxin type A, hyaluronate or saline: A randomized controlled trial	2018	less than 30 patients per group



Jia, P.; Tang, L.; Yu, J.; Liu, J.; Kang, D.; Sun, X.	The quality of reporting in randomized controlled trials of acupuncture for knee osteoarthritis: A cross-sectional survey	2018	study of 318 RCTs
Tian, K.; Cheng, H.; Zhang, J.; Chen, K.	Intra-articular injection of methylprednisolone for reducing pain in knee osteoarthritis: A systematic review and meta-analysis	2018	systematic review* References Reviewed
Ran, J.; Yang, X.; Ren, Z.; Wang, J.; Dong, H.	Comparison of intra-articular hyaluronic acid and methylprednisolone for pain management in knee osteoarthritis: A meta-analysis of randomized controlled trials	2018	systematic review* References Reviewed
Zhang, H. F.; Wang, C. G.; Li, H.; Huang, Y. T.; Li, Z. J.	Intra-articular platelet-rich plasma versus hyaluronic acid in the treatment of knee osteoarthritis: a meta-analysis	2018	systematic review* References Reviewed
Briani, R. V.; Ferreira, A. S.; Pazzinato, M. F.; Pappas, E.; De Oliveira Silva, D.; Azevedo, F. M.	What interventions can improve quality of life or psychosocial factors of individuals with knee osteoarthritis? A systematic review with meta-analysis of primary outcomes from randomised controlled trials	2018	systematic review
Gohal, C.; Shanmugaraj, A.; Tate, P.; Horner, N. S.; Bedi, A.; Adili, A.; Khan, M.	Effectiveness of Valgus Offloading Knee Braces in the Treatment of Medial Compartment Knee Osteoarthritis: A Systematic Review	2018	systematic review* References Reviewed
Jia, P.; Tang, L.; Yu, J.; Lee, A. H.; Zhou, X.; Kang, D.; Luo, Y.; Liu, J.; Sun, X.	Risk of bias and methodological issues in randomised controlled trials of acupuncture for knee osteoarthritis: a cross-sectional study	2018	systematic review* References Reviewed
Krebs, E. E.; Gravelly, A.; Nugent, S.; Jensen, A. C.; DeRonne, B.; Goldsmith, E. S.; Kroenke, K.; Bair, M. J.; Noorbaloochi, S.	Effect of Opioid vs Nonopioid Medications on Pain-Related Function in Patients With Chronic Back Pain or Hip or Knee Osteoarthritis Pain: The SPACE Randomized Clinical Trial	2018	
Paolillo, F. R.; Paolillo, A. R.; Joao, J. P.; Frasca, D.; Duchene, M.; Joao, H. A.; Bagnato, V. S.	Ultrasound plus low-level laser therapy for knee osteoarthritis rehabilitation: a randomized, placebo-controlled trial	2018	less than 30 patients per group
Zhu, X.; Wu, D.; Sang, L.; Wang, Y.; Shen, Y.; Zhuang, X.; Chu, M.; Jiang, L.	Comparative effectiveness of glucosamine, chondroitin, acetaminophen or celecoxib for the treatment of knee and/or hip osteoarthritis: a network meta-analysis	2018	systematic review* References Reviewed
Quicke, J. G.; Foster, N. E.; Croft, P. R.; Ogollah, R. O.; Holden, M. A.	Change in physical activity level and clinical outcomes in older adults with knee pain: a secondary analysis from a randomised controlled trial	2018	no comparison group (all groups from previous study were combined, analyzed as one)
Bruyere, O.	Pharmaceutical-grade chondroitin sulfate in the management of knee osteoarthritis	2018	just a summary of a previously done trial with same results. duplicate publication

Boonhong, J.; Suntornpiyapan, P.; Piriyajarukul, A.	Ultrasound combined transcutaneous electrical nerve stimulation (UltraTENS) versus phonophoresis of piroxicam (PhP) in symptomatic knee osteoarthritis: A randomized double-blind, controlled trial	2018	<4 week followup
Isaramalai, S. A.; Hounsri, K.; Kongkamol, C.; Wattanapitkul, P.; Tangadulrat, N.; Kaewmanee, T.; Yuenyongviwat, V.	Integrating participatory ergonomic management in non-weight-bearing exercise and progressive resistance exercise on self-care and functional ability in aged farmers with knee osteoarthritis: a clustered randomized controlled trial	2018	less than 30 patients per group
Nasiri, A.; Mahmodi, M. A.	Aromatherapy massage with lavender essential oil and the prevention of disability in ADL in patients with osteoarthritis of the knee: A randomized controlled clinical trial	2018	<30 patients per group
Su, K.; Bai, Y.; Wang, J.; Zhang, H.; Liu, H.; Ma, S.	Comparison of hyaluronic acid and PRP intra-articular injection with combined intra-articular and intraosseous PRP injections to treat patients with knee osteoarthritis	2018	< 30 pts per group; n1 = 27, n2 =25, n3 = 30
Kaya Mutlu, E.; Ercin, E.; Razak Ozdincler, A.; Ones, N.	A comparison of two manual physical therapy approaches and electrotherapy modalities for patients with knee osteoarthritis: A randomized three arm clinical trial	2018	<30 patients per group
Cole, B.; McGrath, B.; Salottolo, K.; Bar-Or, D.	LMWF-5A for the Treatment of Severe Osteoarthritis of the Knee: Integrated Analysis of Safety and Efficacy	2018	systematic review
Lee, O. S.; Ahn, S.; Ahn, J. H.; Teo, S. H.; Lee, Y. S.	Effectiveness of concurrent procedures during high tibial osteotomy for medial compartment osteoarthritis: a systematic review and meta-analysis	2018	systematic review
Liu, X.; Machado, G. C.; Eyles, J. P.; Ravi, V.; Hunter, D. J.	Dietary supplements for treating osteoarthritis: a systematic review and meta-analysis	2018	systematic review* References Reviewed
Muchedzi, T. A.; Roberts, S. B.	A systematic review of the effects of platelet rich plasma on outcomes for patients with knee osteoarthritis and following total knee arthroplasty	2018	systematic review* References Reviewed
Kianmehr, N.; Hasanzadeh, A.; Naderi, F.; Khajoei, S.; Haghighi, A.	A randomized blinded comparative study of clinical response to surface anatomy guided injection versus sonography guided injection of hyaluronic acid in patients with primary knee osteoarthritis	2018	Irrelevant comparison; Differing HA injection methods
Lisi, C.; Perotti, C.; Scudeller, L.; Sammarchi, L.; Dametti, F.; Musella, V.; Di Natali, G.	Treatment of knee osteoarthritis: platelet-derived growth factors vs. hyaluronic acid. A randomized controlled trial	2018	<30 patients per group

Alfredo, P. P.; Bjordal, J. M.; Junior, W. S.; Lopes-Martins, R. A. B.; Stausholm, M. B.; Casarotto, R. A.; Marques, A. P.; Joensen, J.	Long-term results of a randomized, controlled, double-blind study of low-level laser therapy before exercises in knee osteoarthritis: laser and exercises in knee osteoarthritis	2018	<30 patients per group
Cudejko, T.; van der Esch, M.; van der Leeden, M.; Roorda, L. D.; Pallari, J.; Bennell, K. L.; Lund, H.; Dekker, J.	Effect of Soft Braces on Pain and Physical Function in Patients With Knee Osteoarthritis: Systematic Review With Meta-Analyses	2018	systematic review* References Reviewed
Shaw, K. E.; Charlton, J. M.; Perry, C. K. L.; de Vries, C. M.; Redekopp, M. J.; White, J. A.; Hunt, M. A.	The effects of shoe-worn insoles on gait biomechanics in people with knee osteoarthritis: a systematic review and meta-analysis	2018	systematic review*
Haien, Z.; Jiachang, W.; Qiang, L.; Yufeng, M.; Zhenwei, J.	Osteochondral Autologous Transplantation Compared to Microfracture for Treating Osteochondral Defect: An Updated Meta-analysis of Randomized Controlled Trials	2018	systematic review
Holden, M. A.; Burke, D. L.; Runhaar, J.; van Der Windt, D.; Riley, R. D.; Dziedzic, K.; Legha, A.; Evans, A. L.; Abbott, J. H.; Baker, K.; Brown, J.; Bennell, K. L.; Bossen, D.; Brosseau, L.; Chaipinyo, K.; Christensen, R.; Cochrane, T.; de Rooij, M.; Doherty, M.; French, H. P.; Hickson, S.; Hinman, R. S.; Hopman-Rock, M.; Hurley, M. V.; Ingram, C.; Knoop, J.; Krauss, I.; McCarthy, C.; Messier, S. P.; Patrick, D. L.; Sahin, N.; Talbot, L. A.; Taylor, R.; Teirlinck, C. H.; van Middelkoop, M.; Wa	Subgrouping and Targeted Exercise Programmes for knee and hip Osteoarthritis (STEER OA): a systematic review update and individual participant data meta-analysis protocol	2017	systematic review
Concoff, A.; Sancheti, P.; Niazi, F.; Shaw, P.; Rosen, J.	The efficacy of multiple versus single hyaluronic acid injections: a systematic review and meta-analysis	2017	systematic review
Brazilian Medical Association; Silvinato, A.; Bernardo, W. M.	Inflammatory arthritis or osteoarthritis of the knee - Efficacy of intra-joint infiltration of methylprednisolone acetate versus triamcinolone acetonide or triamcinolone hexacetonide	2017	systematic review
Tennent, D. J.; Hylden, C. M.; Kocher, B. K.; Aden, J. K.; Johnson, A. E.	A randomized controlled trial evaluating methylsulfonylmethane versus placebo to prevent knee pain in military initial entry trainees	2017	no OAK

Zhang, Q.; Yue, J.; Golianu, B.; Sun, Z.; Lu, Y.	Updated systematic review and meta-analysis of acupuncture for chronic knee pain	2017	systematic review* References Reviewed
Kluczynski, M. A.; Marzo, J. M.; Wind, W. M.; Fineberg, M. S.; Bernas, G. A.; Rauh, M. A.; Zhou, Z.; Zhao, J.; Bisson, L. J.	The Effect of Body Mass Index on Clinical Outcomes in Patients Without Radiographic Evidence of Degenerative Joint Disease After Arthroscopic Partial Meniscectomy	2017	insufficient data for target condition: no OAK pts
Nguyen, C.; Boutron, I.; Baron, G.; Coudeyre, E.; Berenbaum, F.; Poiraudeau, S.; Rannou, F.	Evolution of pain at 3 months by oral resveratrol in knee osteoarthritis (ARTHROL): protocol for a multicentre randomised double-blind placebo-controlled trial	2017	protocol, no results
Milants, C.; Bruyere, O.; Kaux, J. F.	Responders to Platelet-Rich Plasma in Osteoarthritis: A Technical Analysis	2017	systematic review
Aciksoz, S.; Akyuz, A.; Tunay, S.	The effect of self-administered superficial local hot and cold application methods on pain, functional status and quality of life in primary knee osteoarthritis patients	2017	< 4 week followup
Morer, C.; Roques, C. F.; Francon, A.; Forestier, R.; Maraver, F.	The role of mineral elements and other chemical compounds used in balneology: data from double-blind randomized clinical trials	2017	systematic review* References Reviewed
Gao, X. R.; Chen, Y. S.; Deng, W.	The effect of vitamin D supplementation on knee osteoarthritis: A meta-analysis of randomized controlled trials	2017	systematic review* References Reviewed
Swaminathan, V.; Parkes, M. J.; Callaghan, M. J.; O'Neill, T. W.; Hodgson, R.; Gait, A. D.; Felson, D. T.	With a biomechanical treatment in knee osteoarthritis, less knee pain did not correlate with synovitis reduction	2017	repeat data. a post hoc analysis of the same outcomes and timepoint evaluated in a previously published article from this study
Moss, P.; Benson, H. A. E.; Will, R.; Wright, A.	Fourteen days of etoricoxib 60 mg improves pain, hyperalgesia and physical function in individuals with knee osteoarthritis: a randomized controlled trial	2017	<4 week follow up
Loeser, R. F.; Beavers, D. P.; Bay-Jensen, A. C.; Karsdal, M. A.; Nicklas, B. J.; Guermazi, A.; Hunter, D. J.; Messier, S. P.	Effects of dietary weight loss with and without exercise on interstitial matrix turnover and tissue inflammation biomarkers in adults with knee osteoarthritis: the Intensive Diet and Exercise for Arthritis trial (IDEA)	2017	does not evaluate patient oriented outcomes
Runhaar, J.; Rozendaal, R. M.; van Middelkoop, M.; Bijlsma, H. J. W.; Doherty, M.; Dziedzic, K. S.; Lohmander, L. S.; McAlindon, T.; Zhang, W.; Bierma Zeinstra, S.	Subgroup analyses of the effectiveness of oral glucosamine for knee and hip osteoarthritis: a systematic review and individual patient data meta-analysis from the OA trial bank	2017	systematic review*

Bartels, E. M.; Henrotin, Y.; Bliddal, H.; Centonze, P.; Henriksen, M.	Relationship between weight loss in obese knee osteoarthritis patients and serum biomarkers of cartilage breakdown: secondary analyses of a randomised trial	2017	insufficient data for target outcome; no outcome of interest - only biomarkers
Chang, W. J.; Bennell, K. L.; Hodges, P. W.; Hinman, R. S.; Young, C. L.; Buscemi, V.; Liston, M. B.; Schabrun, S. M.	Addition of transcranial direct current stimulation to quadriceps strengthening exercise in knee osteoarthritis: A pilot randomised controlled trial	2017	less than 30 patients per group
Chen, N.; Wang, J.; Mucelli, A.; Zhang, X.; Wang, C.	Electro-Acupuncture is Beneficial for Knee Osteoarthritis: The Evidence from Meta-Analysis of Randomized Controlled Trials	2017	systematic review* References Reviewed
More, M.; Gruenwald, J.; Pohl, U.; Uebelhack, R.	A Rosa canina - Urtica dioica - Harpagophytum procumbens/zeyheri Combination Significantly Reduces Gonarthrosis Symptoms in a Randomized, Placebo-Controlled Double-Blind Study	2017	not an intervention of interest
Xing, F.; Lu, B.; Kuang, M. J.; Wang, Y.; Zhao, Y. L.; Zhao, J.; Sun, L.; Wang, Y.; Ma, J. X.; Ma, X. L.	A systematic review and meta-analysis into the effect of lateral wedge arch support insoles for reducing knee joint load in patients with medial knee osteoarthritis	2017	systematic review
Alrushud, A. S.; Rushton, A. B.; Kanavaki, A. M.; Greig, C. A.	Effect of physical activity and dietary restriction interventions on weight loss and the musculoskeletal function of overweight and obese older adults with knee osteoarthritis: a systematic review and mixed method data synthesis	2017	systematic review
Lange, B.; von Zabern, D.; Elling, C.; Dubois, C.	Efficacy and safety of tapentadol prolonged release for moderate-to-severe chronic osteoarthritis knee pain: a pooled analysis of two double-blind, randomized, placebo- and oxycodone controlled release-controlled studies	2017	systematic review
Xu, Q.; Chen, B.; Wang, Y.; Wang, X.; Han, D.; Ding, D.; Zheng, Y.; Cao, Y.; Zhan, H.; Zhou, Y.	The Effectiveness of Manual Therapy for Relieving Pain, Stiffness, and Dysfunction in Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2017	systematic review
Lee, A. C.; Driban, J. B.; Price, L. L.; Harvey, W. F.; Rodday, A. M.; Wang, C.	Responsiveness and Minimally Important Differences for 4 Patient-Reported Outcomes Measurement Information System Short Forms: Physical Function, Pain Interference, Depression, and Anxiety in Knee Osteoarthritis	2017	MID study that doesn't compare treatment groups

Brignardello-Petersen, R.; Guyatt, G. H.; Buchbinder, R.; Poolman, R. W.; Schandelmaier, S.; Chang, Y.; Sadeghirad, B.; Evaniew, N.; Vandvik, P. O.	Knee arthroscopy versus conservative management in patients with degenerative knee disease: a systematic review	2017	systematic review* References Reviewed
Devji, T.; Guyatt, G. H.; Lytvyn, L.; Brignardello-Petersen, R.; Foroutan, F.; Sadeghirad, B.; Buchbinder, R.; Poolman, R. W.; Harris, I. A.; Carrasco-Labra, A.; Siemieniuk, R. A. C.; Vandvik, P. O.	Application of minimal important differences in degenerative knee disease outcomes: a systematic review and case study to inform BMJ Rapid Recommendations	2017	systematic review
Rabago, D.; Nourani, B.	Prolotherapy for Osteoarthritis and Tendinopathy: a Descriptive Review	2017	systematic review* References Reviewed
Onakpoya, I. J.; Spencer, E. A.; Perera, R.; Heneghan, C. J.	Effectiveness of curcuminoids in the treatment of knee osteoarthritis: a systematic review and meta-analysis of randomized clinical trials	2017	systematic review* References Reviewed
Yubo, M.; Yanyan, L.; Li, L.; Tao, S.; Bo, L.; Lin, C.	Clinical efficacy and safety of mesenchymal stem cell transplantation for osteoarthritis treatment: A meta-analysis	2017	systematic review
Bartholdy, C.; Juhl, C.; Christensen, R.; Lund, H.; Zhang, W.; Henriksen, M.	The role of muscle strengthening in exercise therapy for knee osteoarthritis: A systematic review and meta-regression analysis of randomized trials	2017	systematic review* References Reviewed
Hussain, S.; Singh, A.; Akhtar, M.; Najmi, A. K.	Vitamin D supplementation for the management of knee osteoarthritis: a systematic review of randomized controlled trials	2017	systematic review* References Reviewed
Goncars, V.; Jakobsons, E.; Blums, K.; Briede, I.; Patetko, L.; Erglis, K.; Erglis, M.; Kalnberzs, K.; Muiznieks, I.; Erglis, A.	The comparison of knee osteoarthritis treatment with single-dose bone marrow-derived mononuclear cells vs. hyaluronic acid injections	2017	< 30 pts per group; n1 = 28, n2 = 28
Xu, Z.; Luo, J.; Huang, X.; Wang, B.; Zhang, J.; Zhou, A.	Efficacy of Platelet-Rich Plasma in Pain and Self-Report Function in Knee Osteoarthritis: A Best-Evidence Synthesis	2017	systematic review* References Reviewed
Bennell, K. L.; Hunter, D. J.; Paterson, K. L.	Platelet-Rich Plasma for the Management of Hip and Knee Osteoarthritis	2017	review

Salimzadeh, A.; Ghourchian, A.; Choopani, R.; Hajimehdipoor, H.; Kamalinejad, M.; Abolhasani, M.	Effect of an orally formulated processed black cumin, from Iranian traditional medicine pharmacopoeia, in relieving symptoms of knee osteoarthritis: A prospective, randomized, double-blind and placebo-controlled clinical trial	2017	irrelevant oral supplement: black cumin
Minshull, C.; Gleeson, N.	Considerations of the Principles of Resistance Training in Exercise Studies for the Management of Knee Osteoarthritis: A Systematic Review	2017	systematic review* References Reviewed
Gupta, A.; Huettner, D. P.; Dukewich, M.	Comparative Effectiveness Review of Cooled Versus Pulsed Radiofrequency Ablation for the Treatment of Knee Osteoarthritis: A Systematic Review	2017	systematic review; bib reviewed
Loew, L.; Brosseau, L.; Kenny, G. P.; Durand-Bush, N.; Poitras, S.; De Angelis, G.; Wells, G. A.	An evidence-based walking program among older people with knee osteoarthritis: the PEP (participant exercise preference) pilot randomized controlled trial	2017	<30 patients per group
Fernandopulle, S.; Perry, M.; Manlapaz, D.; Jayakaran, P.	Effect of Land-Based Generic Physical Activity Interventions on Pain, Physical Function, and Physical Performance in Hip and Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2017	systematic review
Estades-Rubio, F. J.; Reyes-Martin, A.; Morales-Marcos, V.; Garcia-Piriz, M.; Garcia-Vera, J. J.; Peran, M.; Marchal, J. A.; Montanez-Heredia, E.	Knee Viscosupplementation: Cost-Effectiveness Analysis between Stabilized Hyaluronic Acid in a Single Injection versus Five Injections of Standard Hyaluronic Acid	2017	< 30 pts per group; n1 = 27, n2 = 27
Moyer, R.; Birmingham, T.; Dombroski, C.; Walsh, R.; Giffin, J. R.	Combined versus individual effects of a valgus knee brace and lateral wedge foot orthotic during stair use in patients with knee osteoarthritis	2017	less than 4 week follow up
Van Ginckel, A.; Bennell, K. L.; Campbell, P. K.; Kasza, J.; Wrigley, T. V.; Hunter, D. J.; Hinman, R. S.	Associations between changes in knee pain location and clinical symptoms in people with medial knee osteoarthritis using footwear for self-management: an exploratory study	2017	does not compare footwear intervention groups
Wang, X.; Cicuttini, F.; Jin, X.; Wluka, A. E.; Han, W.; Zhu, Z.; Blizzard, L.; Antony, B.; Winzenberg, T.; Jones, G.; Ding, C.	Knee effusion-synovitis volume measurement and effects of vitamin D supplementation in patients with knee osteoarthritis	2017	no patient oriented outcomes
Woods, B.; Manca, A.; Weatherly, H.; Saramago, P.; Sideris, E.; Giannopoulou, C.; Rice, S.; Corbett, M.; Vickers, A.; Bowes, M.; MacPherson, H.; Sculpher, M.	Cost-effectiveness of adjunct non-pharmacological interventions for osteoarthritis of the knee	2017	systematic review* References Reviewed

Pas, H. I.; Winters, M.; Haisma, H. J.; Koenis, M. J.; Tol, J. L.; Moen, M. H.	Stem cell injections in knee osteoarthritis: a systematic review of the literature	2017	systematic review
Bennell, K. L.; Nelligan, R.; Dobson, F.; Rini, C.; Keefe, F.; Kasza, J.; French, S.; Bryant, C.; Dalwood, A.; Abbott, J. H.; Hinman, R. S.	Effectiveness of an Internet-Delivered Exercise and Pain-Coping Skills Training Intervention for Persons With Chronic Knee Pain: A Randomized Trial	2017	enrolled people with knee pain, but it is unclear what percentage had knee pain due to OAK
Pogacnik Murillo, A. L.; Eckstein, F.; Wirth, W.; Beavers, D.; Loeser, R. F.; Nicklas, B. J.; Mihalko, S. L.; Miller, G. D.; Hunter, D. J.; Messier, S. P.	Impact of Diet and/or Exercise Intervention on Infrapatellar Fat Pad Morphology: Secondary Analysis from the Intensive Diet and Exercise for Arthritis (IDEA) Trial	2017	insufficient data for target outcome: no outcomes of interest
Krsticevic, M.; Jeric, M.; Dosenovic, S.; Jelicic Kadic, A.; Puljak, L.	Proliferative injection therapy for osteoarthritis: a systematic review	2017	systematic review* References Reviewed
Wu, L.; Lin, J.; Jin, Z.; Cai, X.; Gao, W.	Comparison of clinical and radiological outcomes between opening-wedge and closing-wedge high tibial osteotomy: A comprehensive meta-analysis	2017	systematic review* References Reviewed
Lapane, K. L.; Liu, S. H.; Dube, C. E.; Driban, J. B.; McAlindon, T. E.; Eaton, C. B.	Factors Associated with the Use of Hyaluronic Acid and Corticosteroid Injections among Patients with Radiographically Confirmed Knee Osteoarthritis: A Retrospective Data Analysis	2017	not relevant. evaluates factors associated with utilization of treatment and not treatment outcomes
He, W. W.; Kuang, M. J.; Zhao, J.; Sun, L.; Lu, B.; Wang, Y.; Ma, J. X.; Ma, X. L.	Efficacy and safety of intraarticular hyaluronic acid and corticosteroid for knee osteoarthritis: A meta-analysis	2017	systematic review* References Reviewed
Eymard, F.; Chevalier, X.; Conrozier, T.	Obesity and radiological severity are associated with viscosupplementation failure in patients with knee osteoarthritis	2017	no comparison treatment groups analyzed
Zhang, Y.; Huang, L.; Su, Y.; Zhan, Z.; Li, Y.; Lai, X.	The Effects of Traditional Chinese Exercise in Treating Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2017	systematic review
Wang, H.; Zhang, C.; Gao, C.; Zhu, S.; Yang, L.; Wei, Q.; He, C.	Effects of short-wave therapy in patients with knee osteoarthritis: a systematic review and meta-analysis	2017	systematic review* References Reviewed
Shen, L.; Yuan, T.; Chen, S.; Xie, X.; Zhang, C.	The temporal effect of platelet-rich plasma on pain and physical function in the treatment of knee osteoarthritis: systematic review and meta-analysis of randomized controlled trials	2017	systematic review* References Reviewed
McIlroy, S.; Sayliss, L.; Browning, P.; Bearne, L. M.	Aquatic therapy for people with persistent knee pain: A feasibility study	2017	less than 30 patients per group



Nicolson, P. J. A.; Bennell, K. L.; Dobson, F. L.; Van Ginckel, A.; Holden, M. A.; Hinman, R. S.	Interventions to increase adherence to therapeutic exercise in older adults with low back pain and/or hip/knee osteoarthritis: a systematic review and meta-analysis	2017	systematic review
Alayat, M. S.; Aly, T. H.; Elsayed, A. E.; Fadil, A. S.	Efficacy of pulsed Nd:YAG laser in the treatment of patients with knee osteoarthritis: a randomized controlled trial	2017	<30 patients per group
Kuru Colak, T.; Kavlak, B.; Aydogdu, O.; Sahin, E.; Acar, G.; Demirbuken, I.; Sari, Z.; Colak, I.; Bulut, G.; Polat, M. G.	The effects of therapeutic exercises on pain, muscle strength, functional capacity, balance and hemodynamic parameters in knee osteoarthritis patients: a randomized controlled study of supervised versus home exercises	2017	< 30 pts per group;
Saltzman, B. M.; Leroux, T.; Meyer, M. A.; Basques, B. A.; Chahal, J.; Bach, B. R., Jr.; Yanke, A. B.; Cole, B. J.	The Therapeutic Effect of Intra-articular Normal Saline Injections for Knee Osteoarthritis: A Meta-analysis of Evidence Level 1 Studies	2017	systematic review
Dai, W. L.; Zhou, A. G.; Zhang, H.; Zhang, J.	Efficacy of Platelet-Rich Plasma in the Treatment of Knee Osteoarthritis: A Meta-analysis of Randomized Controlled Trials	2017	systematic review
Dannaway, J.; New, C. C.; New, C. H.; Maher, C. G.	Aquatic exercise for osteoarthritis of the knee or hip (PEDro synthesis)	2017	systematic review
Beaudreuil, J.	Orthoses for osteoarthritis: A narrative review	2017	systematic review
Cheung, C.; Wyman, J. F.; Bronas, U.; McCarthy, T.; Rudser, K.; Mathiason, M. A.	Managing knee osteoarthritis with yoga or aerobic/strengthening exercise programs in older adults: a pilot randomized controlled trial	2017	less than 30 per group
Bremner, C. B.; Holcomb, W. R.; Brown, C. D.; Perreault, M. E.	The Effectiveness of Neuromuscular Electrical Stimulation in Improving Voluntary Activation of the Quadriceps: A Critically Appraised Topic	2017	systematic review
Collins, N. J.; Hinman, R. S.; Menz, H. B.; Crossley, K. M.	Immediate effects of foot orthoses on pain during functional tasks in people with patellofemoral osteoarthritis: A cross-over, proof-of-concept study	2017	less than 30 patients per group
Sardana, V.; Burzynski, J.; Zalzal, P.	Safety and efficacy of topical ketoprofen in transfersome gel in knee osteoarthritis: A systematic review	2017	systematic review
Arendt-Nielsen, L.; Jiang, G. L.; DeGryse, R.; Turkel, C. C.	Intra-articular onabotulinumtoxinA in osteoarthritis knee pain: effect on human mechanistic pain biomarkers and clinical pain	2017	no patient oriented outcomes
Ozkuk, K.; Gurdal, H.; Karagulle, M.; Barut, Y.; Eroksuz, R.; Karagulle, M. Z.	Balneological outpatient treatment for patients with knee osteoarthritis; an effective non-drug therapy option in daily routine?	2017	<30 patients per group

Tezcan, M. E.; Goker, B.; Lidtke, R.; Block, J. A.	Long-term effects of lateral wedge orthotics on hip and ankle joint space widths	2017	less than 30 patients per group
Schwappach, J.; Dryden, S. M.; Salottolo, K. M.	Preliminary Trial of Intra-articular LMWF-5A for Osteoarthritis of the Knee	2017	less than 30 patients per group
Qudsi-Sinclair, S.; Borrás-Rubio, E.; Abellan-Guillen, J. F.; Padilla Del Rey, M. L.; Ruiz-Merino, G.	A Comparison of Genicular Nerve Treatment Using Either Radiofrequency or Analgesic Block with Corticosteroid for Pain after a Total Knee Arthroplasty: A Double-Blind, Randomized Clinical Study	2017	post tka patients and less than 30 per group
Dessery, Y.; Belzile, E.; Turmel, S.; Corbeil, P.	Effects of foot orthoses with medial arch support and lateral wedge on knee adduction moment in patients with medial knee osteoarthritis	2017	less than 30 patients per group
Yataba, I.; Otsuka, N.; Matsushita, I.; Matsumoto, H.; Hoshino, Y.	Efficacy of S-flurbiprofen plaster in knee osteoarthritis treatment: Results from a phase III, randomized, active-controlled, adequate, and well-controlled trial	2017	<4 week follow up
Mine, K.; Nakayama, T.; Milanese, S.; Grimmer, K.	The effectiveness of braces and orthoses for patients with knee osteoarthritis: A systematic review of Japanese-language randomised controlled trials	2017	systematic review
Shen, W. S.; Xu, X. Q.; Zhai, N. N.; Zhou, Z. S.; Shao, J.; Yu, Y. H.	Radiofrequency Thermocoagulation in Relieving Refractory Pain of Knee Osteoarthritis	2017	less than 30 patients per group
Li, S.; Xie, P.; Liang, Z.; Huang, W.; Huang, Z.; Ou, J.; Lin, Z.; Chai, S.	Efficacy Comparison of Five Different Acupuncture Methods on Pain, Stiffness, and Function in Osteoarthritis of the Knee: A Network Meta-Analysis	2018	systematic review* References Reviewed
Panda, S. K.; Nirvanashetty, S.; Parachur, V. A.; Mohanty, N.; Swain, T.	A Randomized, Double Blind, Placebo Controlled, Parallel-Group Study to Evaluate the Safety and Efficacy of Curene versus Placebo in Reducing Symptoms of Knee OA	2018	<30 patients per group
Raeissadat, S. A.; Tabibian, E.; Rayegani, S. M.; Rahimi-Dehghan, S.; Babaei-Ghazani, A.	An investigation into the efficacy of intra-articular ozone (O <sub>2</sub> -O <sub>3</sub> ) injection in patients with knee osteoarthritis: a systematic review and meta-analysis	2018	systematic review
Sharma, M.; Singh, A.; Dhillon, M. S.; Kaur, S.	Comparative Impact of Nonpharmacological Interventions on Pain of Knee Osteoarthritis Patients Reporting at a Tertiary Care Institution: A Randomized Controlled Trial	2018	< 30 pts per group; n1 = 31, n2 = 20
Wang, J.; Wang, Y.; Zhang, H.; Lu, M.; Gao, W.; Yin, L.; Yin, Z.	Comparative efficacy and safety of oral or transdermal opioids in the treatment of knee or hip osteoarthritis: a systematic review and Bayesian network meta-analysis protocol	2018	systematic review

Jamison, D. E.; Cohen, S. P.	Radiofrequency techniques to treat chronic knee pain: a comprehensive review of anatomy, effectiveness, treatment parameters, and patient selection	2018	systematic review; bib reviewed
Iijima, H.; Isho, T.; Kuroki, H.; Takahashi, M.; Aoyama, T.	Effectiveness of mesenchymal stem cells for treating patients with knee osteoarthritis: a meta-analysis toward the establishment of effective regenerative rehabilitation	2018	systematic review* References Reviewed
Jin, Y.; Smith, C.; Monteith, D.; Brown, R.; Camporeale, A.; McNearney, T. A.; Deeg, M. A.; Raddad, E.; Xiao, N.; de la Pena, A.; Kivitz, A. J.; Schnitzer, T. J.	CGRP blockade by galcanezumab was not associated with reductions in signs and symptoms of knee osteoarthritis in a randomized clinical trial	2018	<30 patients per group
Lange, B.; Sohns, M.; Tempero, J.; Elling, C.	Efficacy and safety of tapentadol prolonged release formulation in the treatment of elderly patients with moderate-to-severe chronic osteoarthritis knee pain: a pooled analysis of two double-blind, randomized, placebo-, and active-controlled trials	2018	pooled analysis; individual articles are published prior to 2012
Enomoto, H.; Fujikoshi, S.; Tsuji, T.; Sasaki, N.; Tokuoka, H.; Uchio, Y.	Efficacy of duloxetine by prior NSAID use in the treatment of chronic osteoarthritis knee pain: A post hoc subgroup analysis of a randomized, placebo-controlled, phase 3 study in Japan	2018	pico not answered: pre-enrolled hx nsaid use vs no hx nsaid use
Pignato, M.; Arbeeva, L.; Schwartz, T. A.; Callahan, L. F.; Cooke, J.; Golightly, Y. M.; Goode, A. P.; Heiderscheid, B. C.; Hill, C.; Huffman, K. M.; Severson, H. H.; Allen, K. D.	Level of participation in physical therapy or an internet-based exercise training program: associations with outcomes for patients with knee osteoarthritis	2018	duplicate data
Shin, Y. S.; Yoon, J. R.; Kim, H. S.; Lee, S. H.	Intra-Articular Injection of Bone Marrow-Derived Mesenchymal Stem Cells Leading to Better Clinical Outcomes without Difference in MRI Outcomes from Baseline in Patients with Knee Osteoarthritis	2018	systematic review* References Reviewed
Fu, J.; Shang, H. C.; Wang, L. Y.; Zhao, C.; Cui, J.; Wang, Y. P.	Crossbow needle therapy of the Miao ethnic minority group for knee osteoarthritis: study protocol for a randomized controlled trial	2018	study protocol
Salottolo, K.; Cole, B.; Bar-Or, D.	Intra-articular injection of the anti-inflammatory compound LMWF-5A in adults with severe osteoarthritis: a double-blind prospective randomized controlled multi-center safety and efficacy trial	2018	<30 patients per group

Schwappach, J.; Schultz, J.; Salottolo, K.; Bar-Or, D.	Incidence of total knee replacement subsequent to intra-articular injection of the anti-inflammatory compound LMWF-5A versus saline: a long-term follow-up study to a randomized controlled trial	2018	long term follow-up to an RCT
Kloek, C. J. J.; Bossen, D.; Spreeuwenberg, P. M.; Dekker, J.; de Bakker, D. H.; Veenhof, C.	Effectiveness of a Blended Physical Therapist Intervention in People With Hip Osteoarthritis, Knee Osteoarthritis, or Both: A Cluster-Randomized Controlled Trial	2018	<80% OA of Knee; Table 1
Takamura, J.; Seo, T.; Strand, V.	A Pooled Analysis of Two Multicenter, Randomized Controlled Trials of a Single Intra-articular Injection of Gel-200 for Treatment of Osteoarthritis of the Knee	2018	pooled analysis
Keogh, J. W.; Grigg, J.; Vertullo, C. J.	Is high-intensity interval cycling feasible and more beneficial than continuous cycling for knee osteoarthritic patients? Results of a randomised control feasibility trial	2018	less than 30 patients per group
Lawford, B. J.; Hinman, R. S.; Kasza, J.; Nelligan, R.; Keefe, F.; Rini, C.; Bennell, K. L.	Moderators of Effects of Internet-Delivered Exercise and Pain Coping Skills Training for People With Knee Osteoarthritis: Exploratory Analysis of the IMPACT Randomized Controlled Trial	2018	pico not answered; prog factor exploratory of included rct
de Paula Gomes, C. A. F.; Leal-Junior, E. C. P.; Dibai-Filho, A. V.; de Oliveira, A. R.; Bley, A. S.; Biasotto-Gonzalez, D. A.; de Tarso Camillo de Carvalho, P.	Incorporation of photobiomodulation therapy into a therapeutic exercise program for knee osteoarthritis: A placebo-controlled, randomized, clinical trial	2018	<30 participants per group
Schafer, A. G. M.; Zalpour, C.; von Piekartz, H.; Hall, T. M.; Paelke, V.	The Efficacy of Electronic Health-Supported Home Exercise Interventions for Patients With Osteoarthritis of the Knee: Systematic Review	2018	systematic review
Ghomrawi, H. M. K.; Marx, R. G.; Pan, T. J.; Conti, M.; Lyman, S.	The effect of negative randomized trials and surgeon volume on the rates of arthroscopy for patients with knee OA	2018	evaluated rates of utilization of arthroscopic surgery, and not patient outcomes
Mecklenburg, G.; Smittenaar, P.; Erhart-Hledik, J. C.; Perez, D. A.; Hunter, S.	Effects of a 12-Week Digital Care Program for Chronic Knee Pain on Pain, Mobility, and Surgery Risk: Randomized Controlled Trial	2018	<80% OA of Knee; Table 1
Brittberg, M.; Recker, D.; Ilgenfritz, J.; Saris, D. B. F.; Summit Extension Study Group	Matrix-Applied Characterized Autologous Cultured Chondrocytes Versus Microfracture: Five-Year Follow-up of a Prospective Randomized Trial	2018	not relevant to pico question

Hall, M.; Hinman, R. S.; Wrigley, T. V.; Kasza, J.; Lim, B. W.; Bennell, K. L.	Knee extensor strength gains mediate symptom improvement in knee osteoarthritis: secondary analysis of a randomised controlled trial	2018	pico not answered: no comparison of interest
Liebs, T. R.; Ziebarth, K.; Berger, S.	Randomized Controlled Trials for Arthroscopy in Degenerative Knee Disease: Was Conservative Therapy Appropriately Tried Prior to Arthroscopy?	2018	systematic review* References Reviewed
Couto, A.; Troullos, E.; Moon, J.; Paredes-Diaz, A.; An, R.	Analgesic efficacy and safety of non-prescription doses of naproxen sodium in the management of moderate osteoarthritis of the knee or hip	2018	<80% OA of Knee; Table 1
Louis, M. L.; Magalon, J.; Jouve, E.; Bornet, C. E.; Mattei, J. C.; Chagnaud, C.; Rochwerger, A.; Veran, J.; Sabatier, F.	Growth Factors Levels Determine Efficacy of Platelets Rich Plasma Injection in Knee Osteoarthritis: A Randomized Double Blind Noninferiority Trial Compared With Viscosupplementation	2018	<30 participants per group
Khan, M.; Khanna, V.; Adili, A.; Ayeni, O. R.; Bedi, A.; Bhandari, M.	Knee osteoarthritis: when arthroscopy can help	2018	systematic review
Schiphof, D.; van den Driest, J. J.; Runhaar, J.	Osteoarthritis year in review 2017: rehabilitation and outcomes	2018	systematic review
Lyon, C.; Spencer, E.; Spittler, J.; Desanto, K.	Clinical Inquiries: How do hyaluronic acid and corticosteroid injections compare for knee OA relief?	2018	systematic review
Paterson, K. L.; Kasza, J.; Bennell, K. L.; Wrigley, T. V.; Metcalf, B. R.; Campbell, P. K.; Hunter, D. J.; Hinman, R. S.	Moderators and mediators of effects of unloading shoes on knee pain in people with knee osteoarthritis: an exploratory analysis of the SHARK randomised controlled trial	2018	insufficient data for target comparison: this is a prognostic paper
Abbott, J. H.; Hobbs, C.; Gwynne-Jones, D.; M. O. A. Trial Team	The ShortMAC: Minimum Important Change of a Reduced Version of the Western Ontario and McMaster Universities Osteoarthritis Index	2018	does not compare treatment groups. is an mcid article for the shortMAC
Zou, L.; Wang, C.; Tian, Z.; Wang, H.; Shu, Y.	Effect of Yang-Style Tai Chi on Gait Parameters and Musculoskeletal Flexibility in Healthy Chinese Older Women	2017	excluded osteoarthritis patients
Ismail, A.; Moore, C.; Alshishani, N.; Yaseen, K.; Alshehri, M. A.	Cognitive behavioural therapy and pain coping skills training for osteoarthritis knee pain management: a systematic review	2017	systematic review* References Reviewed
Shinde, V. A.; Kalikar, M.; Jagtap, S.; Dakhale, G. N.; Bankar, M.; Bajait, C. S.; Motghare, V. M.; Pashilkar, A. A.; Raghute, L. B.; Khamkar, A. D.	Efficacy and Safety of Oral Diclofenac Sustained release Versus Transdermal Diclofenac Patch in Chronic Musculoskeletal Pain: A Randomized, Open Label Trial	2017	< 30 pts per group; n1 = 25, n2 =24

Maeda, T.; Yoshida, H.; Sasaki, T.; Oda, A.	Does transcutaneous electrical nerve stimulation (TENS) simultaneously combined with local heat and cold applications enhance pain relief compared with TENS alone in patients with knee osteoarthritis?	2017	less than 30 patients per group
Rayegani, S. M.; Raeissadat, S. A.; Heidari, S.; Moradi-Joo, M.	Safety and Effectiveness of Low-Level Laser Therapy in Patients With Knee Osteoarthritis: A Systematic Review and Meta-analysis	2017	systematic review* References Reviewed
Turajane, T.; Chaveewanakorn, U.; Fongsarun, W.; Aojanepong, J.; Papadopoulos, K. I.	Avoidance of Total Knee Arthroplasty in Early Osteoarthritis of the Knee with Intra-Articular Implantation of Autologous Activated Peripheral Blood Stem Cells versus Hyaluronic Acid: A Randomized Controlled Trial with Differential Effects of Growth Factor Addition	2017	<30 participants per group
Lee, A. C.; Harvey, W. F.; Wong, J. B.; Price, L. L.; Han, X.; Chung, M.; Driban, J. B.; Morgan, L. P. K.; Morgan, N. L.; Wang, C.	Effects of Tai Chi versus Physical Therapy on Mindfulness in Knee Osteoarthritis	2017	subgroup analysis duplicates data from #1108
Park, S. H.; Park, Y. H.; Lee, J. H.	Effects of magnetic field therapy after taping application on pain and function of patients with knee osteoarthritis	2017	less than 30 patients per group
Lubis, A.; Wang, W.; Lima, G.; Fayyad, R.; Walker, C.	Comparing the Safety and Efficacy of Celecoxib for the Treatment of Osteoarthritis in Asian and non-Asian Populations: An Analysis of Data from Two Randomized, Double-blind, Placebo-controlled, Active-comparator Trials	2017	duplicate data + data from unpublished study
McCormack, R.; Lamontagne, M.; Vannabouathong, C.; Deakon, R. T.; Belzile, E. L.	Comparison of the 3 Different Injection Techniques Used in a Randomized Controlled Study Evaluating a Cross-Linked Sodium Hyaluronate Combined With Triamcinolone Hexacetonide (Cingal) for Osteoarthritis of the Knee: A Subgroup Analysis	2017	
da Costa, B. R.; Reichenbach, S.; Keller, N.; Nartey, L.; Wandel, S.; Juni, P.; Trelle, S.	Effectiveness of non-steroidal anti-inflammatory drugs for the treatment of pain in knee and hip osteoarthritis: a network meta-analysis	2017	systematic review* References Reviewed
Rezasoltani, Z.; Taheri, M.; Mofrad, M. K.; Mohajerani, S. A.	Periarticular dextrose prolotherapy instead of intra-articular injection for pain and functional improvement in knee osteoarthritis	2017	different technique, same substance, different doses

Caamano, M. D. C.; Garcia-Padilla, S.; Duarte-Vazquez, M. A.; Gonzalez-Romero, K. E.; Rosado, J. L.	A Double-Blind, Active-Controlled Clinical Trial of Sodium Bicarbonate and Calcium Gluconate in the Treatment of Bilateral Osteoarthritis of the Knee	2017	<30 patients per group
Yataba, I.; Otsuka, N.; Matsushita, I.; Matsumoto, H.; Hoshino, Y.	The efficacy and safety of S-flurbiprofen plaster in the treatment of knee osteoarthritis: a phase II, randomized, double-blind, placebo-controlled, dose-finding study	2017	< 4 week follow-up
Laver, L.; Marom, N.; Dnyanesh, L.; Mei-Dan, O.; Espregueira-Mendes, J.; Gobbi, A.	PRP for Degenerative Cartilage Disease: A Systematic Review of Clinical Studies	2017	systematic review
de Rezende, M. U.; de Farias, F. E. S.; da Silva, C. A. C.; Cernigoy, C. H. A.; de Camargo, O. P.	Objective functional results in patients with knee osteoarthritis submitted to a 2-day educational programme: a prospective randomised clinical trial	2016	less than 30 per group
Kooshki, A.; Forouzan, R.; Rakhshani, M. H.; Mohammadi, M.	Effect of Topical Application of Nigella Sativa Oil and Oral Acetaminophen on Pain in Elderly with Knee Osteoarthritis: A Crossover Clinical Trial	2016	< 30 pts per group; 42 pts total
White, A.; Tough, L.; Eyre, V.; Vickery, J.; Asprey, A.; Quinn, C.; Warren, F.; Pritchard, C.; Foster, N. E.; Taylor, R. S.; Underwood, M.; Dieppe, P.	Western medical acupuncture in a group setting for knee osteoarthritis: results of a pilot randomised controlled trial	2016	< 30 pts per group; n1 = 17, n2 =15, n3 = 14
Cui, G. H.; Wang, Y. Y.; Li, C. J.; Shi, C. H.; Wang, W. S.	Efficacy of mesenchymal stem cells in treating patients with osteoarthritis of the knee: A meta-analysis	2016	systematic review
Guner, S.; Gokalp, M. A.; Gozen, A.; Unsal, S. S.; Guner, S. I.	Effectiveness of etofenamate for treatment of knee osteoarthritis: a randomized controlled trial	2016	< 30 pts per group; n1 = 29, n2 =30
Suen, L. K.; Yeh, C. H.; Yeung, S. K.	Erratum to: Using auriculotherapy for osteoarthritic knee among elders: a double-blinded randomised feasibility study	2016	not relevant erratum in author description section of originally published paper. the error didn't effect the content of the paper
Bannuru, R. R.; Brodie, C. R.; Sullivan, M. C.; McAlindon, T. E.	Safety of Repeated Injections of Sodium Hyaluronate (SUPARTZ) for Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2016	systematic review
Doros, G.; Lavin, P. T.; Daley, M.; Miller, L. E.	A method for establishing class III medical device equivalence: sodium hyaluronate (GenVisc 850) for the treatment of knee osteoarthritis	2016	systematic review
Phillips, S.; Li, C. S.; Phillips, M.; Bischoff, M.; Ali, P.; Chahal, J.; Snider, M.; Bhandari, M.	Treatment of Osteoarthritis of the Knee with Bracing: A Scoping Review	2016	systematic review* References Reviewed

Hauser, R. A.; Lackner, J. B.; Steilen-Matias, D.; Harris, D. K.	A Systematic Review of Dextrose Prolotherapy for Chronic Musculoskeletal Pain	2016	systematic review* References Reviewed
Naderi, Z.; Mozaffari-Khosravi, H.; Dehghan, A.; Nadjarzadeh, A.; Huseini, H. F.	Effect of ginger powder supplementation on nitric oxide and C-reactive protein in elderly knee osteoarthritis patients: A 12-week double-blind randomized placebo-controlled clinical trial	2016	no PROs or AEs
Altman, R. D.; Farrokhyar, F.; Fierlinger, A.; Niazi, F.; Rosen, J.	Analysis for Prognostic Factors from a Database for the Intra-Articular Hyaluronic Acid (Euflexxa) Treatment for Osteoarthritis of the Knee	2016	no comparison group
de Rezende, M. U.; Hissadomi, M. I.; de Campos, G. C.; Frucchi, R.; Pailo, A. F.; Pasqualin, T.; Brito, N. L.; Santana, O. F.; Moreira, M. M.; Strutz, C. G.; Matos, N. B.; de Camargo, O. P.; Hernandez, A. J.	One-Year Results of an Educational Program on Osteoarthritis: A Prospective Randomized Controlled Trial in Brazil	2016	less than 30 patients per group
Sadabad, H. N.; Behzadifar, M.; Arasteh, F.; Behzadifar, M.; Dehghan, H. R.	Efficacy of Platelet-Rich Plasma versus Hyaluronic Acid for treatment of Knee Osteoarthritis: A systematic review and meta-analysis	2016	systematic review
Chahla, J.; Dean, C. S.; Moatshe, G.; Pascual-Garrido, C.; Serra Cruz, R.; LaPrade, R. F.	Concentrated Bone Marrow Aspirate for the Treatment of Chondral Injuries and Osteoarthritis of the Knee: A Systematic Review of Outcomes	2016	systematic review
McGrath, B.	Unique aspects of pain reduction in osteoarthritis of the knee with LMWF-5A	2015	summary of AAOS ID 1586
Tanaka, R.; Ozawa, J.; Kito, N.; Moriyama, H.	Does exercise therapy improve the health-related quality of life of people with knee osteoarthritis? A systematic review and meta-analysis of randomized controlled trials	2015	systematic review
Palo, N.; Chandel, S. S.; Dash, S. K.; Arora, G.; Kumar, M.; Biswal, M. R.	Effects of Osteoarthritis on Quality of life in Elderly Population of Bhubaneswar, India: A Prospective Multicenter Screening and Therapeutic Study of 2854 Patients	2015	insufficient data reporting to determine if there is a significant difference between the strengthening groups. only p values for within group change from baseline are presented
Hou, P. W.; Fu, P. K.; Hsu, H. C.; Hsieh, C. L.	Traditional Chinese medicine in patients with osteoarthritis of the knee	2015	systematic review
Ammar, T. Y.; Pereira, T. A.; Mistura, S. L.; Kuhn, A.; Saggin, J. I.; Lopes Junior, O. V.	Viscosupplementation for treating knee osteoarthrosis: review of the literature	2015	systematic review



Richette, P.; Chevalier, X.; Ea, H. K.; Eymard, F.; Henrotin, Y.; Ornetti, P.; Sellam, J.; Cucherat, M.; Marty, M.	Hyaluronan for knee osteoarthritis: an updated meta-analysis of trials with low risk of bias	2015	systematic review
Thorlund, J. B.; Juhl, C. B.; Roos, E. M.; Lohmander, L. S.	Arthroscopic surgery for degenerative knee: systematic review and meta-analysis of benefits and harms	2015	systematic review* References Reviewed
Garcia-Padilla, S.; Duarte-Vazquez, M. A.; Gonzalez-Romero, K. E.; Caamano Mdel, C.; Rosado, J. L.	Erratum to: Effectiveness of intra-articular injections of sodium bicarbonate and calcium gluconate in the treatment of osteoarthritis of the knee: a randomized double-blind clinical trial	2015	erratum
Kim, J. H.; Kim, J. Y.; Choi, C. M.; Lee, J. K.; Kee, H. S.; Jung, K. I.; Yoon, S. R.	The Dose-Related Effects of Extracorporeal Shock Wave Therapy for Knee Osteoarthritis	2015	unclear if the 30 patient in each group remained in the study at the 4 and 12 week follow up
Li, X.; Wang, X. Q.; Chen, B. L.; Huang, L. Y.; Liu, Y.	Whole-Body Vibration Exercise for Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2015	systematic review
Lee, D. J.; Elfar, J. C.	Utility of Arthroscopic Surgery for Osteoarthritis of the Knee	2015	narrative review
Gyulai, F.; Raba, K.; Baranyai, I.; Berkes, E.; Bender, T.	BEMER Therapy Combined with Physiotherapy in Patients with Musculoskeletal Diseases: A Randomised, Controlled Double Blind Follow-Up Pilot Study	2015	< 30 pts per group; table 3, 4
Strand, V.; McIntyre, L. F.; Beach, W. R.; Miller, L. E.; Block, J. E.	Safety and efficacy of US-approved viscosupplements for knee osteoarthritis: a systematic review and meta-analysis of randomized, saline-controlled trials	2015	systematic review
Pinsornsak, P.; Kanokkangsadat, P.; Itharat, A.	The Clinical Efficacy and Safety of the Sahastara Remedy versus Diclofenac in the Treatment of Osteoarthritis of the Knee: A Double-Blind, Randomized, and Controlled Trial	2015	not relevant to pico question
Choi, Y. L.; Kim, B. K.; Hwang, Y. P.; Moon, O. K.; Choi, W. S.	Effects of isometric exercise using biofeedback on maximum voluntary isometric contraction, pain, and muscle thickness in patients with knee osteoarthritis	2015	less than 30 patients per group
Burbano-Levy, X.; Qf, D. C.; Act, E. P.; Alba, I. R.; Qf, L. Z.	Costo Utilidad de Colagena Polivinil-Pirrolidona en el Tratamiento de Osteartrosis de Rodilla en Mexico	2014	not in english
Rahimzadeh, P.; Imani, F.; Faiz, S. H.; Entezary, S. R.; Nasiri, A. A.; Ziaeefard, M.	Investigation the efficacy of intra-articular prolotherapy with erythropoietin and dextrose and intra-articular pulsed radiofrequency on pain level reduction and range of motion improvement in primary osteoarthritis of knee	2014	<30 per group; IA PRF
Ye, J.; Cai, S.; Zhong, W.; Cai, S.; Zheng, Q.	Effects of tai chi for patients with knee osteoarthritis: a systematic review	2014	systematic review

Tanaka, R.; Ozawa, J.; Kito, N.; Moriyama, H.	Effect of the Frequency and Duration of Land-based Therapeutic Exercise on Pain Relief for People with Knee Osteoarthritis: A Systematic Review and Meta-analysis of Randomized Controlled Trials	2014	systematic review
Anwer, S.; Alghadir, A.	Effect of isometric quadriceps exercise on muscle strength, pain, and function in patients with knee osteoarthritis: a randomized controlled study	2014	less than 30 patients per group
Ochiai, S.; Watanabe, A.; Oda, H.; Ikeda, H.	Effectiveness of thermotherapy using a heat and steam generating sheet for cartilage in knee osteoarthritis	2014	< 30 pts per group; n1 = 9, n2 = 10
Peungsuwan, P.; Sermcheep, P.; Harnmontree, P.; Eungpinichpong, W.; Puntumetakul, R.; Chatchawan, U.; Yamauchi, J.	The Effectiveness of Thai Exercise with Traditional Massage on the Pain, Walking Ability and QOL of Older People with Knee Osteoarthritis: A Randomized Controlled Trial in the Community	2014	<30 patients per group
Raynauld, J. P.; Martel-Pelletier, J.; Dorais, M.; Haraoui, B.; Choquette, D.; Abram, F.; Beaulieu, A.; Besette, L.; Morin, F.; Wildi, L. M.; Pelletier, J. P.	Total Knee Replacement as a Knee Osteoarthritis Outcome: Predictors Derived from a 4-Year Long-Term Observation following a Randomized Clinical Trial Using Chondroitin Sulfate	2013	long term follow-up to an RCT
Tanaka, R.; Ozawa, J.; Kito, N.; Yamasaki, T.; Moriyama, H.	Evidence of Improvement in Various Impairments by Exercise Interventions in Patients with Knee Osteoarthritis: A Systematic Review and Meta-analysis of Randomized Clinical Trials	2013	systematic review
Rodriguez-Merchan, E. C.	Intraarticular Injections of Platelet-rich Plasma (PRP) in the Management of Knee Osteoarthritis	2013	systematic review
Raut, A.; Bichile, L.; Chopra, A.; Patwardhan, B.; Vaidya, A.	Comparative study of amrutbhallataka and glucosamine sulphate in osteoarthritis: Six months open label randomized controlled clinical trial	2013	< 30 pts per group; n1 = 26, n2 = 33, n3=34
Zoboli, A. A.; de Rezende, M. U.; de Campos, G. C.; Pasqualin, T.; Frucchi, R.; de Camargo, O. P.	Prospective randomized clinical trial: single and weekly viscosupplementation	2013	no comparison group; same drug multiple doses
Khan, A. A.; Jahangir, U.; Urooj, S.	Management of knee osteoarthritis with cupping therapy	2013	< 30 pts per group; n1 = 20, n2 = 20
Brown, J. P.; Boulay, L. J.	Clinical experience with duloxetine in the management of chronic musculoskeletal pain. A focus on osteoarthritis of the knee	2013	systematic review

Miller, L. E.; Block, J. E.	US-Approved Intra-Articular Hyaluronic Acid Injections are Safe and Effective in Patients with Knee Osteoarthritis: Systematic Review and Meta-Analysis of Randomized, Saline-Controlled Trials	2013	systematic review
Liu, Y. S.; Xue, L. G.; Ma, X. J.; Liu, C. S.	Observation on pain release by long-round needle therapy in knee osteoarthritis related with meridian-sinews theory	2013	only un-validated scales
Park, Y. G.; Kwon, B. S.; Park, J. W.; Cha, D. Y.; Nam, K. Y.; Sim, K. B.; Chang, J.; Lee, H. J.	Therapeutic effect of whole body vibration on chronic knee osteoarthritis	2013	less than 30 patients per group
Sands, G. H.; Brown, P. B.; Essex, M. N.	The Efficacy of Continuous Versus Intermittent Celecoxib Treatment in Osteoarthritis Patients with Body Mass Index $\geq 30$ and $< 30$ kg/m <sup>2</sup> .	2013	Hip/Knee patients and % Knee OA Unclear
Karner, M.; Brazkiewicz, F.; Remppis, A.; Fischer, J.; Gerlach, O.; Stremmel, W.; Subramanian, S. V.; Greten, H. J.	Objectifying specific and nonspecific effects of acupuncture: a double-blinded randomised trial in osteoarthritis of the knee	2013	< 4 week follow up; 1 week only
Atrey, A.; Morison, Z.; Tosounidis, T.; Tunggal, J.; Waddell, J. P.	Complications of closing wedge high tibial osteotomies for unicompartmental osteoarthritis of the knee	2012	systematic review
Malvankar, S.; Khan, W. S.; Mahapatra, A.; Dowd, G. S.	How Effective are Lateral Wedge Orthotics in Treating Medial Compartment Osteoarthritis of the Knee? A Systematic Review of the Recent Literature	2012	systematic review
Beyaz, S. G.	Comparison of efficacy of intra-articular morphine and steroid in patients with knee osteoarthritis	2012	< 30 pts per group; n1 = 23, n2 = 125 n3 = 25
Zhang, Y.; Shen, C. L.; Peck, K.; Brismee, J. M.; Doctolero, S.; Lo, D. F.; Lim, Y.; Lao, L.	Training Self-Administered Acupressure Exercise among Postmenopausal Women with Osteoarthritic Knee Pain: A Feasibility Study and Lessons Learned	2012	< 30 pts per group; n1 = 15, n2 = 21
Wallace, D.; Barr, C.	The effect of hip bracing on gait in patients with medial knee osteoarthritis	2012	< 30 pts per group; total n = 15
Schneider, H.; Maheu, E.; Cucherat, M.	Symptom-modifying effect of chondroitin sulfate in knee osteoarthritis: a meta-analysis of randomized placebo-controlled trials performed with structum()	2012	systematic review* References Reviewed
Park, Y. G.; Han, S. B.; Song, S. J.; Kim, T. J.; Ha, C. W.	Platelet-rich plasma therapy for knee joint problems: review of the literature, current practice and legal perspectives in Korea	2012	non-systematic review
Schmal, H.; Marintschev, I.; Salzmann, G. M.	Current status of anti-inflammatory therapy for posttraumatic osteoarthritis	2016	systematic review

Ding, Y.; Wang, Y.; Shi, X.; Luo, Y.; Gao, Y.; Pan, J.	Effect of ultrasound-guided acupotomy vs electro-acupuncture on knee osteoarthritis: a randomized controlled study	2016	<4 week follow up
Nasiri, A.; Mahmodi, M. A.; Nobakht, Z.	Effect of aromatherapy massage with lavender essential oil on pain in patients with osteoarthritis of the knee: A randomized controlled clinical trial	2016	<30 patients per group
Faundez, J.; Cotoras, P.; Irarrazaval, S.	Are intraarticular steroids effective for knee osteoarthritis?	2016	systematic review* References Reviewed
Katz, J. N.; Wright, J.; Spindler, K. P.; Mandl, L. A.; Safran-Norton, C. E.; Reinke, E. K.; Levy, B. A.; Wright, R. W.; Jones, M. H.; Martin, S. D.; Marx, R. G.; Losina, E.	Predictors and Outcomes of Crossover to Surgery from Physical Therapy for Meniscal Tear and Osteoarthritis: A Randomized Trial Comparing Physical Therapy and Surgery	2016	no intervention of interest; prognostic factors
O'Hanlon, C. E.; Newberry, S. J.; Booth, M.; Grant, S.; Motala, A.; Maglione, M. A.; FitzGerald, J. D.; Shekelle, P. G.	Hyaluronic acid injection therapy for osteoarthritis of the knee: concordant efficacy and conflicting serious adverse events in two systematic reviews	2016	systematic review* References Reviewed
Bartholdy, C.; Klokke, L.; Bandak, E.; Bliddal, H.; Henriksen, M.	A Standardized "Rescue" Exercise Program for Symptomatic Flare-up of Knee Osteoarthritis: Description and Safety Considerations	2016	no comparison group
Yan, J.; Musahl, V.; Kay, J.; Khan, M.; Simunovic, N.; Ayeni, O. R.	Outcome reporting following navigated high tibial osteotomy of the knee: a systematic review	2016	systematic review
Lin, X.; Huang, K.; Zhu, G.; Huang, Z.; Qin, A.; Fan, S.	The Effects of Acupuncture on Chronic Knee Pain Due to Osteoarthritis: A Meta-Analysis	2016	systematic review
Chahla, J.; Piuze, N. S.; Mitchell, J. J.; Dean, C. S.; Pascual-Garrido, C.; LaPrade, R. F.; Muschler, G. F.	Intra-Articular Cellular Therapy for Osteoarthritis and Focal Cartilage Defects of the Knee: A Systematic Review of the Literature and Study Quality Analysis	2016	systematic review
Goh, S. L.; Persson, M. S.; Bhattacharya, A.; Hall, M.; Doherty, M.; Zhang, W.	Relative efficacy of different types of exercise for treatment of knee and hip osteoarthritis: protocol for network meta-analysis of randomised controlled trials	2016	systematic review
Bin, S. I.; Kim, H. J.; Ahn, H. S.; Rim, D. S.; Lee, D. H.	Changes in Patellar Height After Opening Wedge and Closing Wedge High Tibial Osteotomy: A Meta-analysis	2016	systematic review

Lamo-Espinosa, J. M.; Mora, G.; Blanco, J. F.; Granero-Molto, F.; Nunez-Cordoba, J. M.; Sanchez-Echenique, C.; Bondia, J. M.; Aquerreta, J. D.; Andreu, E. J.; Ornilla, E.; Villaron, E. M.; Valenti-Azcarate, A.; Sanchez-Guijo, F.; Del Canizo, M. C.; Valenti-Nin, J. R.; Prosper, F.	Intra-articular injection of two different doses of autologous bone marrow mesenchymal stem cells versus hyaluronic acid in the treatment of knee osteoarthritis: multicenter randomized controlled clinical trial (phase I/II)	2016	<30 patients per group
Mozaffari-Khosravi, H.; Naderi, Z.; Dehghan, A.; Nadjarzadeh, A.; Fallah Huseini, H.	Effect of Ginger Supplementation on Proinflammatory Cytokines in Older Patients with Osteoarthritis: Outcomes of a Randomized Controlled Clinical Trial	2016	irrelevant outcome: serum macronutrient levels
Ostrander, R. V.; Leddon, C. E.; Hackel, J. G.; O'Grady, C. P.; Roth, C. A.	Efficacy of Unloader Bracing in Reducing Symptoms of Knee Osteoarthritis	2016	< 30 pts per group; n1 = 16, n2 = 15
Helianthi, D. R.; Simadibrata, C.; Srilestari, A.; Wahyudi, E. R.; Hidayat, R.	Pain Reduction After Laser Acupuncture Treatment in Geriatric Patients with Knee Osteoarthritis: a Randomized Controlled Trial	2016	<30 patients per group
Mochizuki, T.; Yano, K.; Ikari, K.; Hiroshima, R.; Takaoka, H.; Kawakami, K.; Koenuma, N.; Ishibashi, M.; Shirahata, T.; Momohara, S.	Tramadol hydrochloride/acetaminophen combination versus non-steroidal anti-inflammatory drug for the treatment of perioperative pain after total knee arthroplasty: A prospective, randomized, open-label clinical trial	2016	irrelevant topic; post op TKA
Bannuru, R. R.; Osani, M.; Vaysbrot, E. E.; McAlindon, T. E.	Comparative safety profile of hyaluronic acid products for knee osteoarthritis: a systematic review and network meta-analysis	2016	systematic review* References Reviewed
Zhao, H.; Liu, H.; Liang, X.; Li, Y.; Wang, J.; Liu, C.	Hylan G-F 20 Versus Low Molecular Weight Hyaluronic Acids for Knee Osteoarthritis: A Meta-Analysis	2016	systematic review* References Reviewed
Iversen, M. D.; Price, L. L.; von Heideken, J.; Harvey, W. F.; Wang, C.	Physical examination findings and their relationship with performance-based function in adults with knee osteoarthritis	2016	does not compare PT to comparison group
Montanez-Heredia, E.; Irizar, S.; Huertas, P. J.; Otero, E.; Del Valle, M.; Prat, I.; Diaz-Gallardo, M. S.; Peran, M.; Marchal, J. A.; Hernandez-Lamas Mdel, C.	Intra-Articular Injections of Platelet-Rich Plasma versus Hyaluronic Acid in the Treatment of Osteoarthritic Knee Pain: A Randomized Clinical Trial in the Context of the Spanish National Health Care System	2016	<30 patients per group
Lamplot, J. D.; Brophy, R. H.	The role for arthroscopic partial meniscectomy in knees with degenerative changes: a systematic review	2016	systematic review* References Reviewed

Giombini, A.; Menotti, F.; Di Cesare, A.; Giovannangeli, F.; Rizzo, M.; Moffa, S.; Martinelli, F.	Comparison between intrarticular injection of hyaluronic acid, oxygen ozone, and the combination of both in the treatment of knee osteoarthritis	2016	<30 patients per group
Henriksen, M.; Hansen, J. B.; Klokke, L.; Bliddal, H.; Christensen, R.	Comparable effects of exercise and analgesics for pain secondary to knee osteoarthritis: a meta-analysis of trials included in Cochrane systematic reviews	2016	systematic review
de Vos, B. C.; Runhaar, J.; van Middelkoop, M.; Krul, M.; Bierma-Zeinstra, S. M.	Long-term effects of a randomized, controlled, tailor-made weight-loss intervention in primary care on the health and lifestyle of overweight and obese women	2016	not knee oa study
Tuakli-Wosornu, Y. A.; Selzer, F.; Losina, E.; Katz, J. N.	Predictors of Exercise Adherence in Patients With Meniscal Tear and Osteoarthritis	2016	evaluates patient compliance to exercise, and not patient outcomes attributable to treatment
Diracoglu, D.; Tuncay, T. B.; Sahbaz, T.; Aksoy, C.	Single versus multiple dose hyaluronic acid: Comparison of the results	2016	< 30 pts per group; 20 per group
Altman, R. D.; Devji, T.; Bhandari, M.; Fierlinger, A.; Niazi, F.; Christensen, R.	Clinical benefit of intra-articular saline as a comparator in clinical trials of knee osteoarthritis treatments: A systematic review and meta-analysis of randomized trials	2016	systematic review
Saw, M. M.; Kruger-Jakins, T.; Edries, N.; Parker, R.	Significant improvements in pain after a six-week physiotherapist-led exercise and education intervention, in patients with osteoarthritis awaiting arthroplasty, in South Africa: a randomised controlled trial	2016	<80% OA of Knee; Second paragraph of Results
Tominaga, Y.; Koga, H.; Uchida, N.; Wanibe, M.; Hirose, K.; Matsumura, T.; Okamoto, A.; Richarz, U.; Etropolski, M.	Methodological Issues in Conducting Pilot Trials in Chronic Pain as Randomized, Double-blind, Placebo-controlled Studies	2016	articles used in analysis are published before 2012
Chen, B.; Zhan, H.; Marszalek, J.; Chung, M.; Lin, X.; Zhang, M.; Pang, J.; Wang, C.	Traditional Chinese Medications for Knee Osteoarthritis Pain: A Meta-Analysis of Randomized Controlled Trials	2016	systematic review
Munukka, M.; Waller, B.; Rantalainen, T.; Hakkinen, A.; Nieminen, M. T.; Lammentausta, E.; Kujala, U. M.; Paloneva, J.; Sipila, S.; Peuna, A.; Kautiainen, H.; Selanne, H.; Kiviranta, I.; Heinonen, A.	Efficacy of progressive aquatic resistance training for tibiofemoral cartilage in postmenopausal women with mild knee osteoarthritis: a randomised controlled trial	2016	duplicate data from a later publication

Bokaeian, H. R.; Bakhtiary, A. H.; Mirmohammadkhani, M.; Moghimi, J.	The effect of adding whole body vibration training to strengthening training in the treatment of knee osteoarthritis: A randomized clinical trial	2016	less than 30 patients per group
Sit, R. W.; Chung, VCh; Reeves, K. D.; Rabago, D.; Chan, K. K.; Chan, D. C.; Wu, X.; Ho, R. S.; Wong, S. Y.	Hypertonic dextrose injections (prolotherapy) in the treatment of symptomatic knee osteoarthritis: A systematic review and meta-analysis	2016	systematic review
Johansen, M.; Bahrt, H.; Altman, R. D.; Bartels, E. M.; Juhl, C. B.; Bliddal, H.; Lund, H.; Christensen, R.	Exploring reasons for the observed inconsistent trial reports on intra-articular injections with hyaluronic acid in the treatment of osteoarthritis: Meta-regression analyses of randomized trials	2016	systematic review
Ross, S. M.	Turmeric ( <i>Curcuma longa</i> ): Effects of <i>Curcuma longa</i> Extracts Compared With Ibuprofen for Reduction of Pain and Functional Improvement in Patients With Knee Osteoarthritis	2016	non-systematic review
Li, A.; Wei, Z. J.; Liu, Y.; Li, B.; Guo, X.; Feng, S. Q.	Moxibustion Treatment for Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2016	systematic review* References Reviewed
Peluso, R.; Caso, F.; Costa, L.; Sorbo, D.; Carraturo, N.; Di Minno, M. N.; Carraturo, F.; Oriente, A.; Balestrieri, U.; Minicucci, A.; Del Puente, A.; Scarpa, R.	Mud-bath therapy and oral glucosamine sulfate in patients with knee osteoarthritis: a randomized, controlled, crossover study	2016	<30 patients per group
Li, L. W.; Harris, R. E.; Murphy, S. L.; Tsodikov, A.; Struble, L.	Feasibility of a Randomized Controlled Trial of Self-Administered Acupressure for Symptom Management in Older Adults with Knee Osteoarthritis	2016	relevant outcomes are reported in Article ID: 247
Yamato, T. P.; Deveza, L. A.; Maher, C. G.	Exercise for osteoarthritis of the knee (PEDro synthesis)	2016	systematic review
Arendt-Nielsen, L.; Egsgaard, L. L.; Petersen, K. K.	Evidence for a central mode of action for etoricoxib (COX-2 inhibitor) in patients with painful knee osteoarthritis	2016	< 30 pts per group; n1 = 17, n2 =20
da Costa, B. R.; Reichenbach, S.; Keller, N.; Nartey, L.; Wandel, S.; Juni, P.; Trelle, S.	RETRACTED: Effectiveness of non-steroidal anti-inflammatory drugs for the treatment of pain in knee and hip osteoarthritis: a network meta-analysis	2016	systematic review
Murphy, S. L.; Kratz, A. L.; Kidwell, K.; Lyden, A. K.; Geisser, M. E.; Williams, D. A.	Brief time-based activity pacing instruction as a singular behavioral intervention was not effective in participants with symptomatic osteoarthritis	2016	less than 80% oak

Nikniaz, Z.; Mahdavi, R.; Nikniaz, L.; Ebrahimi, A.; Ostadrahimi, A.	Effects of <i>Elaeagnus angustifolia</i> L. on Lipid Profile and Atherogenic Indices in Obese Females: A Randomized Controlled Clinical Trial	2016	<30 patients per group
Zhang, Q.; Yue, J.; Sun, Z.; Lu, Y.	Acupuncture for chronic knee pain: a protocol for an updated systematic review	2016	systematic review
Martin Martin, L. S.; Massafra, U.; Bizzi, E.; Migliore, A.	A double blind randomized active-controlled clinical trial on the intra-articular use of Md-Knee versus sodium hyaluronate in patients with knee osteoarthritis ("Joint")	2016	<30 patients per group
Lauche, R.; Graf, N.; Cramer, H.; Al-Abtah, J.; Dobos, G.; Saha, F. J.	Efficacy of Cabbage Leaf Wraps in the Treatment of Symptomatic Osteoarthritis of the Knee: A Randomized Controlled Trial	2016	<30 patients per group
Rewald, S.; Mesters, I.; Lenssen, A. F.; Emans, P. J.; Wijnen, W.; de Bie, R. A.	Effect of aqua-cycling on pain and physical functioning compared with usual care in patients with knee osteoarthritis: study protocol of a randomised controlled trial	2016	study protocol only
Kucharz, E. J.; Kovalenko, V.; Szanto, S.; Bruyere, O.; Cooper, C.; Reginster, J. Y.	A review of glucosamine for knee osteoarthritis: why patented crystalline glucosamine sulfate should be differentiated from other glucosamines to maximize clinical outcomes	2016	narrative review
Song, G. M.; Tian, X.; Jin, Y. H.; Deng, Y. H.; Zhang, H.; Pang, X. L.; Zhou, J. G.	Moxibustion is an Alternative in Treating Knee Osteoarthritis: The Evidence From Systematic Review and Meta-Analysis	2016	systematic review* References Reviewed
Field, T.	Knee osteoarthritis pain in the elderly can be reduced by massage therapy, yoga and tai chi: A review	2016	systematic review
Smith, S. R.; Deshpande, B. R.; Collins, J. E.; Katz, J. N.; Losina, E.	Comparative pain reduction of oral non-steroidal anti-inflammatory drugs and opioids for knee osteoarthritis: systematic analytic review	2016	systematic review* References Reviewed
van Middelkoop, M.; Arden, N. K.; Atchia, I.; Birrell, F.; Chao, J.; Rezende, M. U.; Lambert, R. G.; Ravaud, P.; Bijlsma, J. W.; Doherty, M.; Dziedzic, K. S.; Lohmander, L. S.; McAlindon, T. E.; Zhang, W.; Bierma-Zeinstra, S. M.	The OA Trial Bank: meta-analysis of individual patient data from knee and hip osteoarthritis trials show that patients with severe pain exhibit greater benefit from intra-articular glucocorticoids	2016	systematic review
Smith, P. A.	Intra-articular Autologous Conditioned Plasma Injections Provide Safe and Efficacious Treatment for Knee Osteoarthritis: An FDA-Sanctioned, Randomized, Double-blind, Placebo-controlled Clinical Trial	2016	<30 patients per group



Oe, M.; Tashiro, T.; Yoshida, H.; Nishiyama, H.; Masuda, Y.; Maruyama, K.; Koikeda, T.; Maruya, R.; Fukui, N.	Oral hyaluronan relieves knee pain: a review	2016	review not relevant to pico. oral ha instead of ia ha
Karp, J. F.; Dew, M. A.; Wahed, A. S.; Fitzgerald, K.; Bolon, C. A.; Weiner, D. K.; Morse, J. Q.; Albert, S.; Butters, M.; Gildengers, A.; Reynolds, C. F., 3rd	Challenges and Solutions for Depression Prevention Research: Methodology for a Depression Prevention Trial for Older Adults with Knee Arthritis and Emotional Distress	2016	insufficient data to answer pico question. no quantitative results presented
Bruyere, O.; Altman, R. D.; Reginster, J. Y.	Efficacy and safety of glucosamine sulfate in the management of osteoarthritis: Evidence from real-life setting trials and surveys	2016	systematic review
Runhaar, J.; Deroisy, R.; van Middelkoop, M.; Barretta, F.; Barbetta, B.; Oei, E. H.; Vroegindewij, D.; Giacobelli, G.; Bruyere, O.; Rovati, L. C.; Reginster, J. Y.; Bierma-Zeinstra, S. M.	The role of diet and exercise and of glucosamine sulfate in the prevention of knee osteoarthritis: Further results from the PRevention of knee Osteoarthritis in Overweight Females (PROOF) study	2016	no OAK at baseline
Dallari, D.; Stagni, C.; Rani, N.; Sabbioni, G.; Pelotti, P.; Torricelli, P.; Tschon, M.; Giavaresi, G.	Ultrasound-Guided Injection of Platelet-Rich Plasma and Hyaluronic Acid, Separately and in Combination, for Hip Osteoarthritis: A Randomized Controlled Study	2016	irrelevant topic; hip OA
Landsmeer, M. L.; Runhaar, J.; van der Plas, P.; van Middelkoop, M.; Vroegindewij, D.; Koes, B.; Bindels, P. J.; Oei, E. H.; Bierma-Zeinstra, S. M.	Reducing progression of knee OA features assessed by MRI in overweight and obese women: secondary outcomes of a preventive RCT	2016	most patients did not have osteoarthritis at baseline
Henricsdotter, C.; Ellegaard, K.; Klokke, L.; Bartholdy, C.; Bandak, E.; Bartels, E. M.; Bliddal, H.; Henriksen, M.	Changes in ultrasound assessed markers of inflammation following intra-articular steroid injection combined with exercise in knee osteoarthritis: exploratory outcome from a randomized trial	2016	irrelevant topic; ultrasonographic findings
Trojan, T. H.; Concoff, A. L.; Joy, S. M.; Hatzenbuehler, J. R.; Saulsberry, W. J.; Coleman, C. I.	AMSSM scientific statement concerning viscosupplementation injections for knee osteoarthritis: importance for individual patient outcomes	2016	systematic review* References Reviewed
Zhang, W.; Wang, S.; Zhang, R.; Zhang, Y.; Li, X.; Lin, Y.; Wei, X.	Evidence of Chinese herbal medicine Duhuo Jisheng decoction for knee osteoarthritis: a systematic review of randomised clinical trials	2016	systematic review
Grover, A. K.; Samson, S. E.	Benefits of antioxidant supplements for knee osteoarthritis: rationale and reality	2016	narrative review

Cherian, J. J.; Kapadia, B. H.; McElroy, M. J.; Johnson, A. J.; Bhawe, A.; Harwin, S. F.; Mont, M. A.	Knee Osteoarthritis: Does Transcutaneous Electrical Nerve Stimulation Work?	2016	< 30 pts per group; n1 = 18, n2 = 18
Allen, K. D.; Yancy, W. S., Jr.; Bosworth, H. B.; Coffman, C. J.; Jeffreys, A. S.; Datta, S. K.; McDuffie, J.; Strauss, J. L.; Oddone, E. Z.	A Combined Patient and Provider Intervention for Management of Osteoarthritis in Veterans: A Randomized Clinical Trial	2016	confounding treatments so it can't answer pico question. treatment group gets PT + a provider intervention that uses an evidence based treatment algorithm of other OA treatments
Bennell, K. L.; Hall, M.; Hinman, R. S.	Osteoarthritis year in review 2015: rehabilitation and outcomes	2016	systematic review
Tan, J. M.; Auhl, M.; Menz, H. B.; Levinger, P.; Munteanu, S. E.	The effect of Masai Barefoot Technology (MBT) footwear on lower limb biomechanics: A systematic review	2016	systematic review
Khenioui, H.; Houvenagel, E.; Catanzariti, J. F.; Guyot, M. A.; Agnani, O.; Donze, C.	Usefulness of intra-articular botulinum toxin injections. A systematic review	2016	systematic review* References Reviewed
Anwer, S.; Alghadir, A.; Zafar, H.; Al-Eisa, E.	Effect of whole body vibration training on quadriceps muscle strength in individuals with knee osteoarthritis: a systematic review and meta-analysis	2016	systematic review
Arnold, J. B.; Wong, D. X.; Jones, R. K.; Hill, C. L.; Thewlis, D.	Lateral Wedge Insoles for Reducing Biomechanical Risk Factors for Medial Knee Osteoarthritis Progression: A Systematic Review and Meta-Analysis	2016	systematic review
Jin, X.; Ding, C.; Wang, X.; Antony, B.; Laslett, L. L.; Blizzard, L.; Cicuttini, F.; Jones, G.	Longitudinal associations between adiposity and change in knee pain: Tasmanian older adult cohort study	2016	less than 80% had oak at baseline
Koh, Y. G.; Kwon, O. R.; Kim, Y. S.; Choi, Y. J.; Tak, D. H.	Adipose-Derived Mesenchymal Stem Cells With Microfracture Versus Microfracture Alone: 2-Year Follow-up of a Prospective Randomized Trial	2016	<30 patients per group
Altman, R. D.; Bedi, A.; Karlsson, J.; Sancheti, P.; Schemitsch, E.	Product Differences in Intra-articular Hyaluronic Acids for Osteoarthritis of the Knee	2016	systematic review* References Reviewed
Ennis, Z. N.; Dideriksen, D.; Vaegter, H. B.; Handberg, G.; Pottgard, A.	Acetaminophen for Chronic Pain: A Systematic Review on Efficacy	2016	systematic review
Callaghan, M. J.; Parkes, M. J.; Felson, D. T.	The Effect of Knee Braces on Quadriceps Strength and Inhibition in Subjects With Patellofemoral Osteoarthritis	2016	no patient oriented outcomes

Hsiao-Wei Lo, G.; Balasubramanyam, A. S.; Barbo, A.; Street, R. L., Jr.; Suarez-Almazor, M. E.	Link Between Positive Clinician-Conveyed Expectations of Treatment Effect and Pain Reduction in Knee Osteoarthritis, Mediated by Patient Self-Efficacy	2016	irrelevant secondary analysis of rct #7471
Li, Y.; Su, Y.; Chen, S.; Zhang, Y.; Zhang, Z.; Liu, C.; Lu, M.; Liu, F.; Li, S.; He, Z.; Wang, Y.; Sheng, L.; Wang, W.; Zhan, Z.; Wang, X.; Zheng, N.	The effects of resistance exercise in patients with knee osteoarthritis: a systematic review and meta-analysis	2016	systematic review
Zhang, C.; Xie, Y.; Luo, X.; Ji, Q.; Lu, C.; He, C.; Wang, P.	Effects of therapeutic ultrasound on pain, physical functions and safety outcomes in patients with knee osteoarthritis: a systematic review and meta-analysis	2016	systematic review* References Reviewed
Kanchanatawan, W.; Arirachakaran, A.; Chaijenkij, K.; Prasathaporn, N.; Boonard, M.; Piyapittayanun, P.; Kongtharvonskul, J.	Short-term outcomes of platelet-rich plasma injection for treatment of osteoarthritis of the knee	2016	systematic review
Chen, Y. W.; Hunt, M. A.; Campbell, K. L.; Peill, K.; Reid, W. D.	The effect of Tai Chi on four chronic conditions-cancer, osteoarthritis, heart failure and chronic obstructive pulmonary disease: a systematic review and meta-analyses	2016	systematic review
Monticone, M.; Frizziero, A.; Rovere, G.; Vittadini, F.; Uliano, D.; L. A. Bruna S; Gatto, R.; Nava, C.; Leggero, V.; Masiero, S.	Hyaluronic acid intra-articular injection and exercise therapy: effects on pain and disability in subjects affected by lower limb joints osteoarthritis. A systematic review by the Italian Society of Physical and Rehabilitation Medicine (SIMFER)	2016	systematic review
Skou, S. T.; Roos, E. M.; Simonsen, O.; Laursen, M. B.; Rathleff, M. S.; Arendt-Nielsen, L.; Rasmussen, S.	The efficacy of non-surgical treatment on pain and sensitization in patients with knee osteoarthritis: a pre-defined ancillary analysis from a randomized controlled trial	2016	confounding treatment comparison
Ornetti, P.; Nourissat, G.; Berenbaum, F.; Sellam, J.; Richette, P.; Chevalier, X.; under the aegis of the Osteoarthritis Section of the French Society for, Rheumatology	Does platelet-rich plasma have a role in the treatment of osteoarthritis?	2016	narrative review
Riboh, J. C.; Saltzman, B. M.; Yanke, A. B.; Fortier, L.; Cole, B. J.	Effect of Leukocyte Concentration on the Efficacy of Platelet-Rich Plasma in the Treatment of Knee Osteoarthritis	2016	systematic review
Chen, L. X.; Zhou, Z. R.; Li, Y. L.; Ning, G. Z.; Li, Y.; Wang, X. B.; Feng, S. Q.	Transcutaneous Electrical Nerve Stimulation in Patients With Knee Osteoarthritis: Evidence From Randomized-controlled Trials	2016	systematic review* References Reviewed

Anwer, S.; Alghadir, A.; Brismee, J. M.	Effect of Home Exercise Program in Patients With Knee Osteoarthritis: A Systematic Review and Meta-analysis	2016	systematic review
Tanaka, R.; Ozawa, J.; Kito, N.; Moriyama, H.	Effects of exercise therapy on walking ability in individuals with knee osteoarthritis: a systematic review and meta-analysis of randomised controlled trials	2016	systematic review
Biondi, D. M.; Xiang, J.; Etropolski, M.; Moskovitz, B.	Tolerability and efficacy of tapentadol extended release in elderly patients $\geq$ 75 years of age with chronic osteoarthritis knee or low back pain	2015	review
Juni, P.; Hari, R.; Rutjes, A. W.; Fischer, R.; Sillelta, M. G.; Reichenbach, S.; da Costa, B. R.	Intra-articular corticosteroid for knee osteoarthritis	2015	systematic review
Ip, D.	Does addition of low-level laser therapy (LLLT) in conservative care of knee arthritis successfully postpone the need for joint replacement?	2015	left or right knee randomized, not pts randomized
Abbott, J. H.; Chapple, C. M.; Fitzgerald, G. K.; Fritz, J. M.; Childs, J. D.; Harcombe, H.; Stout, K.	The Incremental Effects of Manual Therapy or Booster Sessions in Addition to Exercise Therapy for Knee Osteoarthritis: A Randomized Clinical Trial	2015	less than 30 patients per group
Williams, Q. I.; Gunn, A. H.; Beaulieu, J. E.; Benas, B. C.; Buley, B.; Callahan, L. F.; Cantrell, J.; Genova, A. P.; Golightly, Y. M.; Goode, A. P.; Gridley, C. I.; Gross, M. T.; Heiderscheid, B. C.; Hill, C. H.; Huffman, K. M.; Kline, A.; Schwartz, T. A.; Allen, K. D.	Physical therapy vs. internet-based exercise training (PATH-IN) for patients with knee osteoarthritis: study protocol of a randomized controlled trial	2015	study protocol only
Fransen, M.; McConnell, S.; Harmer, A. R.; Van der Esch, M.; Simic, M.; Bennell, K. L.	Exercise for osteoarthritis of the knee: a Cochrane systematic review	2015	systematic review
Sola, R.; Valls, R. M.; Martorell, I.; Giralt, M.; Pedret, A.; Taltavull, N.; Romeu, M.; Rodriguez, A.; Morina, D.; Lopez de Frutos, V.; Montero, M.; Casajuana, M. C.; Perez, L.; Faba, J.; Bernal, G.; Astilleros, A.; Gonzalez, R.; Puiggros, F.; Arola, L.; Chetrit, C.; Martinez-Puig, D.	A low-fat yoghurt supplemented with a rooster comb extract on muscle joint function in adults with mild knee pain: a randomized, double blind, parallel, placebo-controlled, clinical trial of efficacy	2015	irrelevant oral supplement: rooster combs extract

Barlow, T.; Downham, C.; Griffin, D.	Arthroscopy in knee osteoarthritis: a systematic review of the literature	2015	systematic review* References Reviewed
Shoara, R.; Hashempur, M. H.; Ashraf, A.; Salehi, A.; Dehshahri, S.; Habibagahi, Z.	Efficacy and safety of topical <i>Matricaria chamomilla</i> L. (chamomile) oil for knee osteoarthritis: A randomized controlled clinical trial	2015	<30 patients per group
Popma, J. W.; Snel, F. W.; Haagsma, C. J.; Brummelhuis-Visser, P.; Oldenhof, H. G.; van der Palen, J.; van de Laar, M. A.	Comparison of 2 Dosages of Intraarticular Triamcinolone for the Treatment of Knee Arthritis: Results of a 12-week Randomized Controlled Clinical Trial	2015	same drug with different doses
Cherian, J. J.; Parvizi, J.; Bramlet, D.; Lee, K. H.; Romness, D. W.; Mont, M. A.	Preliminary results of a phase II randomized study to determine the efficacy and safety of genetically engineered allogeneic human chondrocytes expressing TGF-beta1 in patients with grade 3 chronic degenerative joint disease of the knee	2015	<30 patients per group
Walzer, S. M.; Weinmann, D.; Toegel, S.	Medical Plant Extracts for Treating Knee Osteoarthritis: a Snapshot of Recent Clinical Trials and Their Biological Background	2015	systematic review
Eckstein, F.; Wirth, W.; Guermazi, A.; Maschek, S.; Aydemir, A.	Brief report: intraarticular sprifermin not only increases cartilage thickness, but also reduces cartilage loss: location-independent post hoc analysis using magnetic resonance imaging	2015	less than 30 patients per group
Buford, T. W.; Fillingim, R. B.; Manini, T. M.; Sibille, K. T.; Vincent, K. R.; Wu, S. S.	Kaatsu training to enhance physical function of older adults with knee osteoarthritis: Design of a randomized controlled trial	2015	study protocol only
Bervoets, D. C.; Luijsterburg, P. A.; Alessie, J. J.; Buijs, M. J.; Verhagen, A. P.	Massage therapy has short-term benefits for people with common musculoskeletal disorders compared to no treatment: a systematic review	2015	systematic review
Saggini, R.; Di Stefano, A.; Dodaj, I.; Scarcello, L.; Bellomo, R. G.	Pes Anserine Bursitis in Symptomatic Osteoarthritis Patients: A Mesotherapy Treatment Study	2015	insufficient reporting of between group results to be included in CPG. results presented as 2 separate case series rather than as group comparisons in an RCT
Rabago, D.; Mundt, M.; Zgierska, A.; Grettie, J.	Hypertonic dextrose injection (prolotherapy) for knee osteoarthritis: Long term outcomes	2015	would be very low quality. case series with nonsecutive enrollment, in that it required completion of a prior prolotherapy trial to meet inclusion criteria for the current study. very high risk of healthy user bias

Dehghan, M.	Comparative effectiveness of B and e vitamins with diclofenac in reducing pain due to osteoarthritis of the knee	2015	<4 week follow up
Gibofsky, A.; Altman, R.; Daniels, S.; Imasogie, O.; Young, C.	Low-dose SoluMatrix diclofenac : a review of safety across two Phase III studies in patients with acute and osteoarthritis pain	2015	narrative review
Quicke, J. G.; Foster, N. E.; Thomas, M. J.; Holden, M. A.	Is long-term physical activity safe for older adults with knee pain?: a systematic review	2015	systematic review
Jones, R. K.; Chapman, G. J.; Parkes, M. J.; Forsythe, L.; Felson, D. T.	The effect of different types of insoles or shoe modifications on medial loading of the knee in persons with medial knee osteoarthritis: a randomised trial	2015	<4 week follow up; single visit trial
Eichenbaum, G.; Gohler, K.; Etropolski, M.; Steigerwald, I.; Pergolizzi, J.; Kim, M.; Vorsanger, G.	Does tapentadol affect sex hormone concentrations differently from morphine and oxycodone? An initial assessment and possible implications for opioid-induced androgen deficiency	2015	<30 patients per group
Garcia-Padilla, S.; Duarte-Vazquez, M. A.; Gonzalez-Romero, K. E.; Caamano Mdel, C.; Rosado, J. L.	Effectiveness of intra-articular injections of sodium bicarbonate and calcium gluconate in the treatment of osteoarthritis of the knee: a randomized double-blind clinical trial	2015	unclear if analysis sample has over 30 per group
Vase, L.; Vollert, J.; Finnerup, N. B.; Miao, X.; Atkinson, G.; Marshall, S.; Nemeth, R.; Lange, B.; Liss, C.; Price, D. D.; Maier, C.; Jensen, T. S.; Segerdahl, M.	Predictors of the placebo analgesia response in randomized controlled trials of chronic pain: a meta-analysis of the individual data from nine industrially sponsored trials	2015	systematic review
Xia, P.; Wang, X.; Lin, Q.; Li, X.	Efficacy of mesenchymal stem cells injection for the management of knee osteoarthritis: a systematic review and meta-analysis	2015	systematic review
Ferreira, G. E.; Robinson, C. C.; Wiebusch, M.; Viero, C. C.; da Rosa, L. H.; Silva, M. F.	The effect of exercise therapy on knee adduction moment in individuals with knee osteoarthritis: A systematic review	2015	systematic review
Kongtharvonskul, J.; Anothaisintawee, T.; McEvoy, M.; Attia, J.; Woratanarat, P.; Thakkinstian, A.	Efficacy and safety of glucosamine, diacerein, and NSAIDs in osteoarthritis knee: a systematic review and network meta-analysis	2015	systematic review* References Reviewed
Zhang, H.; Zhang, K.; Zhang, X.; Zhu, Z.; Yan, S.; Sun, T.; Guo, A.; Jones, J.; Steen, R. G.; Shan, B.; Zhang, J.; Lin, J.	Comparison of two hyaluronic acid formulations for safety and efficacy (CHASE) study in knee osteoarthritis: a multicenter, randomized, double-blind, 26-week non-inferiority trial comparing Durolane to Artz	2015	not comparison of interest; same drug diff application

Petrella, R. J.; Emans, P. J.; Alleyne, J.; Dellaert, F.; Gill, D. P.; Maroney, M.	Safety and performance of Hydros and Hydros-TA for knee osteoarthritis: a prospective, multicenter, randomized, double-blind feasibility trial	2015	no comparison group; same drug multiple doses
Hunter, D. J.; Beavers, D. P.; Eckstein, F.; Guermazi, A.; Loeser, R. F.; Nicklas, B. J.; Mihalko, S. L.; Miller, G. D.; Lyles, M.; DeVita, P.; Legault, C.; Carr, J. J.; Williamson, J. D.; Messier, S. P.	The Intensive Diet and Exercise for Arthritis (IDEA) trial: 18-month radiographic and MRI outcomes	2015	no outcomes of interest (biomarkers only, etc)
Shen, L. L.; Huang, G. F.; Tian, W.; Yu, L. L.; Yuan, X. C.; Zhang, Z. Q.; Yin, J.; Ma, C. Y.; Cai, G. W.; Li, J. W.; Ding, M. Q.; He, W.; Gao, X. Y.; Zhu, B.; Jing, X. H.; Li, M.	Electroacupuncture inhibits chronification of the acute pain of knee osteoarthritis: study protocol for a randomized controlled trial	2015	study protocol
Moonaz, S. H.; Bingham, C. O., 3rd; Wissow, L.; Bartlett, S. J.	Yoga in Sedentary Adults with Arthritis: Effects of a Randomized Controlled Pragmatic Trial	2015	less than 80% oak and less than 30 per group
Machado, G. C.; Maher, C. G.; Ferreira, P. H.; Pinheiro, M. B.; Lin, C. W.; Day, R. O.; McLachlan, A. J.; Ferreira, M. L.	Efficacy and safety of paracetamol for spinal pain and osteoarthritis: systematic review and meta-analysis of randomised placebo controlled trials	2015	systematic review
Zafar, H.; Alghadir, A.; Anwer, S.; Al-Eisa, E.	Therapeutic effects of whole-body vibration training in knee osteoarthritis: a systematic review and meta-analysis	2015	systematic review
Segal, N. A.; Glass, N. A.; Teran-Yengle, P.; Singh, B.; Wallace, R. B.; Yack, H. J.	Intensive Gait Training for Older Adults with Symptomatic Knee Osteoarthritis	2015	less than 30 patients per group
Fioravanti, A.; Giannitti, C.; Cheleschi, S.; Simpatico, A.; Pascarelli, N. A.; Galeazzi, M.	Circulating levels of adiponectin, resistin, and visfatin after mud-bath therapy in patients with bilateral knee osteoarthritis	2015	<4 week follow up
Lu, M.; Su, Y.; Zhang, Y.; Zhang, Z.; Wang, W.; He, Z.; Liu, F.; Li, Y.; Liu, C.; Wang, Y.; Sheng, L.; Zhan, Z.; Wang, X.; Zheng, N.	Effectiveness of aquatic exercise for treatment of knee osteoarthritis: Systematic review and meta-analysis	2015	systematic review* References Reviewed
Lai, L. P.; Stitik, T. P.; Foye, P. M.; Georgy, J. S.; Patibanda, V.; Chen, B.	Use of Platelet-Rich Plasma in Intra-Articular Knee Injections for Osteoarthritis: A Systematic Review	2015	systematic review
Percope de Andrade, M. A.; Campos, T. V.; Abreu, E. Silva G. M.	Supplementary methods in the nonsurgical treatment of osteoarthritis	2015	systematic review* References Reviewed
Singh, J. A.; Noorbaloochi, S.; MacDonald, R.; Maxwell, L. J.	Chondroitin for osteoarthritis	2015	systematic review

Bennell, K. L.; Dobson, F.; Roos, E. M.; Skou, S. T.; Hodges, P.; Wrigley, T. V.; Kyriakides, M.; Metcalf, B.; Hunt, M. A.; Hinman, R. S.	Influence of Biomechanical Characteristics on Pain and Function Outcomes From Exercise in Medial Knee Osteoarthritis and Varus Malalignment: Exploratory Analyses From a Randomized Controlled Trial	2015	was a post hoc analysis of a previous study, but the interaction obesity groups relevant to the pico question had less than 30 per group
Frisbie, D. D.	Autologous-conditioned serum: evidence for use in the knee	2015	non-systematic review
Bannuru, R. R.; Schmid, C. H.; Kent, D. M.; Vaysbrot, E. E.; Wong, J. B.; McAlindon, T. E.	Comparative effectiveness of pharmacologic interventions for knee osteoarthritis: a systematic review and network meta-analysis	2015	systematic review
Hall, M.; Hinman, R. S.; Wrigley, T. V.; Roos, E. M.; Hodges, P. W.; Staples, M. P.; Bennell, K. L.	Neuromuscular Exercise post Partial Medial Meniscectomy: Randomized Controlled Trial	2015	less than 30 patients per group
Wang, P.; Yang, X.; Yang, Y.; Yang, L.; Zhou, Y.; Liu, C.; Reinhardt, J. D.; He, C.	Effects of whole body vibration on pain, stiffness and physical functions in patients with knee osteoarthritis: a systematic review and meta-analysis	2015	systematic review
Zeng, C.; Li, H.; Yang, T.; Deng, Z. H.; Yang, Y.; Zhang, Y.; Lei, G. H.	Electrical stimulation for pain relief in knee osteoarthritis: systematic review and network meta-analysis	2015	systematic review* References Reviewed
Beavers, K. M.; Beavers, D. P.; Newman, J. J.; Anderson, A. M.; Loeser, R. F., Jr.; Nicklas, B. J.; Lyles, M. F.; Miller, G. D.; Mihalko, S. L.; Messier, S. P.	Effects of total and regional fat loss on plasma CRP and IL-6 in overweight and obese, older adults with knee osteoarthritis	2015	no patient oriented outcomes
Laudy, A. B.; Bakker, E. W.; Rekers, M.; Moen, M. H.	Efficacy of platelet-rich plasma injections in osteoarthritis of the knee: a systematic review and meta-analysis	2015	systematic review
Tenti, S.; Cheleschi, S.; Galeazzi, M.; Fioravanti, A.	Spa therapy: can be a valid option for treating knee osteoarthritis?	2015	systematic review
Knoop, J.; Steultjens, M. P.; Roorda, L. D.; Lems, W. F.; van der Esch, M.; Thorstensson, C. A.; Twisk, J. W.; Bierma-Zeinstra, S. M.; van der Leeden, M.; Dekker, J.	Improvement in upper leg muscle strength underlies beneficial effects of exercise therapy in knee osteoarthritis: secondary analysis from a randomised controlled trial	2015	does not compare exercise intervention groups.
Duivenvoorden, T.; van Raaij, T. M.; Horemans, H. L.; Brouwer, R. W.; Bos, P. K.; Bierma-Zeinstra, S. M.; Verhaar, J. A.; Reijman, M.	Do laterally wedged insoles or valgus braces unload the medial compartment of the knee in patients with osteoarthritis?	2015	no outcomes of interest (biomechanical paper)



Makris, E. A.; Gomoll, A. H.; Malizos, K. N.; Hu, J. C.; Athanasiou, K. A.	Repair and tissue engineering techniques for articular cartilage	2015	narrative review
Moyer, R. F.; Birmingham, T. B.; Bryant, D. M.; Giffin, J. R.; Marriott, K. A.; Leitch, K. M.	Valgus bracing for knee osteoarthritis: a meta-analysis of randomized trials	2015	systematic review
Mat, S.; Tan, M. P.; Kamaruzzaman, S. B.; Ng, C. T.	Physical therapies for improving balance and reducing falls risk in osteoarthritis of the knee: a systematic review	2015	systematic review
Rutgers, M.; Creemers, L. B.; Auw Yang, K. G.; Raijmakers, N. J.; Dhert, W. J.; Saris, D. B.	Osteoarthritis treatment using autologous conditioned serum after placebo	2015	< 30 pts per group; 20 pts total
Provenza, J. R.; Shinjo, S. K.; Silva, J. M.; Peron, C. R.; Rocha, F. A.	Combined glucosamine and chondroitin sulfate, once or three times daily, provides clinically relevant analgesia in knee osteoarthritis	2015	dose comparisons don't answer the pico question
Madden, E. G.; Kean, C. O.; Wrigley, T. V.; Bennell, K. L.; Hinman, R. S.	Effect of rocker-soled shoes on parameters of knee joint load in knee osteoarthritis	2015	< 30 pts per group; 30 pts total
Gallagher, B.; Tjoumakaris, F. P.; Harwood, M. I.; Good, R. P.; Ciccotti, M. G.; Freedman, K. B.	Chondroprotection and the prevention of osteoarthritis progression of the knee: a systematic review of treatment agents	2015	systematic review
Kumar, S.; Sugihara, F.; Suzuki, K.; Inoue, N.; Venkateswarathirukumara, S.	A double-blind, placebo-controlled, randomised, clinical study on the effectiveness of collagen peptide on osteoarthritis	2015	< 30 pts per group; 31 pts total
Peter, W.; van der Wees, P. J.; Verhoef, J.; de Jong, Z.; van Bodegom-Vos, L.; Hilberdink, W. K.; Fiocco, M.; Vliet Vlieland, T. P.	Effectiveness of an interactive postgraduate educational intervention with patient participation on the adherence to a physiotherapy guideline for hip and knee osteoarthritis: a randomised controlled trial	2015	does not evaluate patient outcomes
Gobbi, A.; Lad, D.; Karnatzikos, G.	The effects of repeated intra-articular PRP injections on clinical outcomes of early osteoarthritis of the knee	2015	<30 patients per group
Schnitzer, T. J.; Ekman, E. F.; Spierings, E. L.; Greenberg, H. S.; Smith, M. D.; Brown, M. T.; West, C. R.; Verburg, K. M.	Efficacy and safety of tanezumab monotherapy or combined with non-steroidal anti-inflammatory drugs in the treatment of knee or hip osteoarthritis pain	2015	pico not answered; no tx of interest
Trudeau, J.; Van Inwegen, R.; Eaton, T.; Bhat, G.; Paillard, F.; Ng, D.; Tan, K.; Katz, N. P.	Assessment of pain and activity using an electronic pain diary and actigraphy device in a randomized, placebo-controlled crossover trial of celecoxib in osteoarthritis of the knee	2015	cross-over study: 1 week treatment periods

Evidence, Development; Standards Branch, Health Quality Ontario	Arthroscopic Debridement of the Knee: An Evidence Update	2014	systematic review* References Reviewed
Blue Cross Blue Shield, Association	Intra-articular hyaluronic acid for osteoarthritis of the knee	2014	systematic review
Rodriguez-Merchan, E. C.	Intra-articular injections of mesenchymal stem cells for knee osteoarthritis	2014	systematic review
Yu, H.; Wang, Y.; Guo, Y.; Wang, H.; Chen, B.; Zhao, X.	Quality assessment of randomized controlled trials reporting on knee osteoarthritis treated with warming needle moxibustion	2014	systematic review
Nakagawa, Y.; Mukai, S.; Yamada, S.; Matsuoka, M.; Tarumi, E.; Hashimoto, T.; Tamura, C.; Imaizumi, A.; Nishihira, J.; Nakamura, T.	Short-term effects of highly-bioavailable curcumin for treating knee osteoarthritis: a randomized, double-blind, placebo-controlled prospective study	2014	less than 30 patients per group
Chiranthanut, N.; Hanprasertpong, N.; Teekachunhatean, S.	Thai massage, and Thai herbal compress versus oral ibuprofen in symptomatic treatment of osteoarthritis of the knee: a randomized controlled trial	2014	<30 patients per group
Laufer, Y.; Shtraker, H.; Elboim Gabyzon, M.	The effects of exercise and neuromuscular electrical stimulation in subjects with knee osteoarthritis: a 3-month follow-up study	2014	< 30 pts per group; n1 = 23, n2 = 21
Zacharias, A.; Green, R. A.; Semciw, A. I.; Kingsley, M. I.; Pizzari, T.	Efficacy of rehabilitation programs for improving muscle strength in people with hip or knee osteoarthritis: a systematic review with meta-analysis	2014	systematic review
Fujii, T.; Takana, K.; Orita, S.; Inoue, G.; Ochiai, N.; Kuniyoshi, K.; Aoki, Y.; Ishikawa, T.; Miyagi, M.; Kamoda, H.; Suzuki, M.; Sakuma, Y.; Kubota, G.; Oikawa, Y.; Inage, K.; Sainoh, T.; Sato, J.; Yamauchi, K.; Toyone, T.; Nakamura, J.; Kishida, S.; Takahashi, K.; Ohtori, S.	Progressive change in joint degeneration in patients with knee or hip osteoarthritis treated with fentanyl in a randomized trial	2014	<80% OA of Knee; Table 1
Zeng, C.; Li, H.; Yang, T.; Deng, Z. H.; Yang, Y.; Zhang, Y.; Ding, X.; Lei, G. H.	Effectiveness of continuous and pulsed ultrasound for the management of knee osteoarthritis: a systematic review and network meta-analysis	2014	systematic review* References Reviewed
Anitua, E.; Sanchez, M.; Aguirre, J. J.; Prado, R.; Padilla, S.; Orive, G.	Efficacy and safety of plasma rich in growth factors intra-articular infiltrations in the treatment of knee osteoarthritis	2014	systematic review

Etropolski, M.; Kuperwasser, B.; Flugel, M.; Haufel, T.; Lange, B.; Rauschkolb, C.; Laschewski, F.	Safety and tolerability of tapentadol extended release in moderate to severe chronic osteoarthritis or low back pain management: pooled analysis of randomized controlled trials	2014	systematic review
Harada, N.; Fong, S.; Heiney, C.; Yentes, J. M.; Perell-Gerson, K. L.; Fang, M. A.	Evaluation of two cane instruments in older adults with knee osteoarthritis	2014	< 30 pts per group; 56 pts total
Biondi, D. M.; Xiang, J.; Etropolski, M.; Moskovitz, B.	Evaluation of blood pressure and heart rate in patients with hypertension who received tapentadol extended release for chronic pain: a post hoc, pooled data analysis	2014	less than 80% oak
Knoop, J.; van der Leeden, M.; Roorda, L. D.; Thorstensson, C. A.; van der Esch, M.; Peter, W. F.; de Rooij, M.; Lems, W. F.; Dekker, J.; Steultjens, M. P.	Knee joint stabilization therapy in patients with osteoarthritis of the knee and knee instability: subgroup analyses in a randomized, controlled trial	2014	irrelevant subgroup analysis of rct #1724
Waller, B.; Ogonowska-Slodownik, A.; Vitor, M.; Lambeck, J.; Daly, D.; Kujala, U. M.; Heinonen, A.	Effect of therapeutic aquatic exercise on symptoms and function associated with lower limb osteoarthritis: systematic review with meta-analysis	2014	systematic review* References Reviewed
Jones, R. K.; Chapman, G. J.; Forsythe, L.; Parkes, M. J.; Felson, D. T.	The relationship between reductions in knee loading and immediate pain response whilst wearing lateral wedged insoles in knee osteoarthritis	2014	less than 4 week follow up
Pourcho, A. M.; Smith, J.; Wisniewski, S. J.; Sellon, J. L.	Intraarticular platelet-rich plasma injection in the treatment of knee osteoarthritis: review and recommendations	2014	systematic review
Pai, S. K.; Allgar, V.; Giannoudis, P. V.	Are intra-articular injections of Hylan G-F 20 efficacious in painful osteoarthritis of the knee? A systematic review & meta-analysis	2014	systematic review
Forestier, R.; Genty, C.; Waller, B.; Francon, A.; Desfour, H.; Rolland, C.; Roques, C. F.; Bosson, J. L.	Crenobalneotherapy (spa therapy) in patients with knee and generalized osteoarthritis: a post-hoc subgroup analysis of a large multicentre randomized trial	2014	confounding treatment; g1 gets manual and heat therapy - control gets nothing
Lohmander, L. S.; Hellot, S.; Dreher, D.; Krantz, E. F.; Kruger, D. S.; Guermazi, A.; Eckstein, F.	Intraarticular sprifermin (recombinant human fibroblast growth factor 18) in knee osteoarthritis: a randomized, double-blind, placebo-controlled trial	2014	not relevant to pico question
Zamani, O.; Bottcher, E.; Rieger, J. D.; Mitterhuber, J.; Hawel, R.; Stallinger, S.; Eller, N.	Comparison of safety, efficacy and tolerability of dexibuprofen and ibuprofen in the treatment of osteoarthritis of the hip or knee	2014	less than 80% oak

Huizinga, M. R.; Brouwer, R. W.; van Raaij, T. M.	High tibial osteotomy: closed wedge versus combined wedge osteotomy	2014	study protocol
Giarratana, L. S.; Marelli, B. M.; Crapanzano, C.; De Martinis, S. E.; Gala, L.; Ferraro, M.; Marelli, N.; Albisetti, W.	A randomized double-blind clinical trial on the treatment of knee osteoarthritis: the efficacy of polynucleotides compared to standard hyaluronian viscosupplementation	2014	not relevant to pico question
Jegu, A. G.; Pereira, B.; Andant, N.; Coudeyre, E.	Effect of eccentric isokinetic strengthening in the rehabilitation of patients with knee osteoarthritis: Isogo, a randomized trial	2014	study protocol only
Hwang, Y. G.; Kwoh, C. K.	The METEOR trial: no rush to repair a torn meniscus	2014	repeat data from the METEOR trial
Henriksen, M.; Christensen, R.; Hunter, D. J.; Gudbergesen, H.; Boesen, M.; Lohmander, L. S.; Bliddal, H.	Structural changes in the knee during weight loss maintenance after a significant weight loss in obese patients with osteoarthritis: a report of secondary outcome analyses from a randomized controlled trial	2014	irrelevant topic; structural knee changes
Rabago, D.; Patterson, J. J.; Mundt, M.; Zgierska, A.; Fortney, L.; Grettie, J.; Kijowski, R.	Dextrose and morrhuate sodium injections (prolotherapy) for knee osteoarthritis: a prospective open-label trial	2014	<30 patients per group
Kwoh, C. K.; Roemer, F. W.; Hannon, M. J.; Moore, C. E.; Jakicic, J. M.; Guermazi, A.; Green, S. M.; Evans, R. W.; Boudreau, R.	Effect of oral glucosamine on joint structure in individuals with chronic knee pain: a randomized, placebo-controlled clinical trial	2014	<80% OA of Knee; Table 1
Arjmandi, B. H.; Ormsbee, L. T.; Elam, M. L.; Campbell, S. C.; Rahnama, N.; Payton, M. E.; Brummel-Smith, K.; Daggy, B. P.	A combination of Scutellaria baicalensis and Acacia catechu extracts for short-term symptomatic relief of joint discomfort associated with osteoarthritis of the knee	2014	< 4 week followup
Juhl, C.; Christensen, R.; Roos, E. M.; Zhang, W.; Lund, H.	Impact of exercise type and dose on pain and disability in knee osteoarthritis: a systematic review and meta-regression analysis of randomized controlled trials	2014	systematic review
Plaster, R.; Vieira, W. B.; Alencar, F. A.; Nakano, E. Y.; Liebano, R. E.	Immediate effects of electroacupuncture and manual acupuncture on pain, mobility and muscle strength in patients with knee osteoarthritis: a randomised controlled trial	2014	< 4 week followup
Andia, I.; Abate, M.	Knee osteoarthritis: hyaluronic acid, platelet-rich plasma or both in association?	2014	systematic review

Yoo, W. H.; Yoo, H. G.; Park, S. H.; Baek, H. J.; Lee, Y. J.; Shim, S. C.; Kang, S. W.; Kim, H. A.; Song, J. S.; Suh, C. H.; Choi, S. J.; Yoon, B. Y.; Tae, D. N.; Ko, H. S.; Song, Y. W.	Efficacy and safety of PG201 (Layla()) and celecoxib in the treatment of symptomatic knee osteoarthritis: a double-blinded, randomized, multi-center, active drug comparative, parallel-group, non-inferiority, phase III study	2014	not relevant comparison to pico question
Vangsness, C. T., Jr.; Farr, J., 2nd; Boyd, J.; Dellaero, D. T.; Mills, C. R.; LeRoux-Williams, M.	Adult human mesenchymal stem cells delivered via intra-articular injection to the knee following partial medial meniscectomy: a randomized, double-blind, controlled study	2014	< 30 pts per group; n1 = 17, n2 =18, n3 = 19
Burrows, N. J.; Booth, J.; Sturnieks, D. L.; Barry, B. K.	Acute resistance exercise and pressure pain sensitivity in knee osteoarthritis: a randomised crossover trial	2014	only 11 OA patients compared to healthy controls
Buchbinder, R.; Richards, B.; Harris, I.	Knee osteoarthritis and role for surgical intervention: lessons learned from randomized clinical trials and population-based cohorts	2014	non-systematic review
Angiolillo, D. J.; Datto, C.; Raines, S.; Yeomans, N. D.	Impact of concomitant low-dose aspirin on the safety and tolerability of naproxen and esomeprazole magnesium delayed-release tablets in patients requiring chronic nonsteroidal anti-inflammatory drug therapy: an analysis from 5 Phase III studies	2014	review
Smith-Ray, R. L.; Fitzgibbon, M. L.; Tussing-Humphreys, L.; Schiffer, L.; Shah, A.; Huber, G. M.; Braunschweig, C.; Campbell, R. T.; Hughes, S. L.	Fit and Strong! Plus: design of a comparative effectiveness evaluation of a weight management program for older adults with osteoarthritis	2014	pico not answered: no surgical outcomes (protocol only)
Chang, K. V.; Hung, C. Y.; Aliwarga, F.; Wang, T. G.; Han, D. S.; Chen, W. S.	Comparative effectiveness of platelet-rich plasma injections for treating knee joint cartilage degenerative pathology: a systematic review and meta-analysis	2014	systematic review
Marra, C. A.; Grubisic, M.; Cibere, J.; Grindrod, K. A.; Woolcott, J. C.; Gastonguay, L.; Esdaile, J. M.	Cost-utility analysis of a multidisciplinary strategy to manage osteoarthritis of the knee: economic evaluation of a cluster randomized controlled trial study	2014	confounded treatment comparison for pico question
Bannuru, R. R.; Vaysbrot, E. E.; Sullivan, M. C.; McAlindon, T. E.	Relative efficacy of hyaluronic acid in comparison with NSAIDs for knee osteoarthritis: a systematic review and meta-analysis	2014	systematic review
Conaghan, P. G.; Bijlsma, J. W.; Kneer, W.; Wise, E.; Kvien, T. K.; Rother, M.	Drug-free gel containing ultra-deformable phospholipid vesicles (TDT 064) as topical therapy for the treatment of pain associated with osteoarthritis: a review of clinical efficacy and safety	2014	systematic review

Chareancholvanich, K.; Pornrattanamaneewong, C.; Narkbunnam, R.	Increased cartilage volume after injection of hyaluronic acid in osteoarthritis knee patients who underwent high tibial osteotomy	2014	less than 30 patients per group
Knoop, J.; Dekker, J.; van der Leeden, M.; van der Esch, M.; Klein, J. P.; Hunter, D. J.; Roorda, L. D.; Steultjens, M. P.; Lems, W. F.	Is the severity of knee osteoarthritis on magnetic resonance imaging associated with outcome of exercise therapy?	2014	pico not answered; prognostic
Habib, G.; Jabbour, A.; Artul, S.; Hakim, G.	Intra-articular methylprednisolone acetate injection at the knee joint and the hypothalamic-pituitary-adrenal axis: a randomized controlled study	2014	< 30 pts per group; n1 = 17, n2 =16
Jensen, M. P.; Molton, I. R.	The reciprocal effects of pain intensity and activity limitations: implications for outcomes assessment in clinical trials	2014	repeat data from an OAK 2 extracted paper
Paramdeep, G.	Efficacy and tolerability of ginger (Zingiber officinale) in patients of osteoarthritis of knee	2013	< 30 pts per group; n1 = 20, n2 =20, n3 = 20
Anonymous,	Acupuncture and chronic joint pain: an effective placebo?	2013	review
Etropolski, M.; Lange, B.; Goldberg, J.; Steup, A.; Rauschkolb, C.	A pooled analysis of patient-specific factors and efficacy and tolerability of tapentadol extended release treatment for moderate to severe chronic pain	2013	review
Vermesan, D.; Prejbeanu, R.; Laitin, S.; Damian, G.; Deleanu, B.; Abbinante, A.; Flace, P.; Cagianò, R.	Arthroscopic debridement compared to intra-articular steroids in treating degenerative medial meniscal tears	2013	irrelevant topic; meniscal repair
Shengelia, R.; Parker, S. J.; Ballin, M.; George, T.; Reid, M. C.	Complementary therapies for osteoarthritis: are they effective?	2013	systematic review
Anonymous,	Intra-articular hyaluronic acid injection: not for gonarthrosis	2013	systematic review
Khoshbin, A.; Leroux, T.; Wasserstein, D.; Marks, P.; Theodoropoulos, J.; Ogilvie-Harris, D.; Gandhi, R.; Takhar, K.; Lum, G.; Chahal, J.	The efficacy of platelet-rich plasma in the treatment of symptomatic knee osteoarthritis: a systematic review with quantitative synthesis	2013	systematic review
Wong, K. L.; Lee, K. B.; Tai, B. C.; Law, P.; Lee, E. H.; Hui, J. H.	Injectable cultured bone marrow-derived mesenchymal stem cells in varus knees with cartilage defects undergoing high tibial osteotomy: a prospective, randomized controlled clinical trial with 2 years' follow-up	2013	< 30 pts per group; n1 = 28, n2 =28
Varadi, G.; Zhu, Z.; Blattler, T.; Hosle, M.; Loher, A.; Pokorny, R.; Frey, D.; Carter, S. G.	Randomized clinical trial evaluating transdermal ibuprofen for moderate to severe knee osteoarthritis	2013	<4 week follow up

Bossen, D.; Veenhof, C.; Van Beek, K. E.; Spreeuwenberg, P. M.; Dekker, J.; De Bakker, D. H.	Effectiveness of a web-based physical activity intervention in patients with knee and/or hip osteoarthritis: randomized controlled trial	2013	less than 80% oak
Reid, M. C.	Viscosupplementation for osteoarthritis: a primer for primary care physicians	2013	systematic review
Brand, E.; Nyland, J.; Henzman, C.; McGinnis, M.	Arthritis self-efficacy scale scores in knee osteoarthritis: a systematic review and meta-analysis comparing arthritis self-management education with or without exercise	2013	systematic review* References Reviewed
Trigkilidas, D.; Anand, A.	The effectiveness of hyaluronic acid intra-articular injections in managing osteoarthritic knee pain	2013	systematic review
Henriksen, M.; Hunter, D. J.; Dam, E. B.; Messier, S. P.; Andriacchi, T. P.; Lohmander, L. S.; Aaboe, J.; Boesen, M.; Gudbergsen, H.; Bliddal, H.; Christensen, R.	Is increased joint loading detrimental to obese patients with knee osteoarthritis? A secondary data analysis from a randomized trial	2013	irrelevant comparison: loadervs vs unloaders
Uthman, O. A.; van der Windt, D. A.; Jordan, J. L.; Dziedzic, K. S.; Healey, E. L.; Peat, G. M.; Foster, N. E.	Exercise for lower limb osteoarthritis: systematic review incorporating trial sequential analysis and network meta-analysis	2013	systematic review
Bruyere, O.; Cooper, C.; Pavelka, K.; Rabenda, V.; Buckinx, F.; Beaudart, C.; Reginster, J. Y.	Changes in structure and symptoms in knee osteoarthritis and prediction of future knee replacement over 8 years	2013	does not test if change in bmi is associated iwth outcome
Parkes, M. J.; Maricar, N.; Lunt, M.; LaValley, M. P.; Jones, R. K.; Segal, N. A.; Takahashi-Narita, K.; Felson, D. T.	Lateral wedge insoles as a conservative treatment for pain in patients with medial knee osteoarthritis: a meta-analysis	2013	systematic review
Gallelli, L.; Galasso, O.; Falcone, D.; Southworth, S.; Greco, M.; Ventura, V.; Romualdi, P.; Corigliano, A.; Terracciano, R.; Savino, R.; Gulletta, E.; Gasparini, G.; De Sarro, G.	The effects of nonsteroidal anti-inflammatory drugs on clinical outcomes, synovial fluid cytokine concentration and signal transduction pathways in knee osteoarthritis. A randomized open label trial	2013	< 30 pts per group; n1-6 = 15 pts each
Corbett, M. S.; Rice, S. J.; Madurasinghe, V.; Slack, R.; Fayter, D. A.; Harden, M.; Sutton, A. J.; Macpherson, H.; Woolacott, N. F.	Acupuncture and other physical treatments for the relief of pain due to osteoarthritis of the knee: network meta-analysis	2013	systematic review* References Reviewed

Negm, A.; Lorbergs, A.; Macintyre, N. J.	Efficacy of low frequency pulsed subsensory threshold electrical stimulation vs placebo on pain and physical function in people with knee osteoarthritis: systematic review with meta-analysis	2013	systematic review* References Reviewed
Agaliotis, M.; Fransen, M.; Bridgett, L.; Nairn, L.; Votrubec, M.; Jan, S.; Heard, R.; Mackey, M.	Risk factors associated with reduced work productivity among people with chronic knee pain	2013	does not test if change in bmi is associated iwth outcome
Printz, J. O.; Lee, J. J.; Kneseck, M.; Urquhart, A. G.	Conflict of interest in the assessment of hyaluronic acid injections for osteoarthritis of the knee: an updated systematic review	2013	systematic review
Lauche, R.; Langhorst, J.; Dobos, G.; Cramer, H.	A systematic review and meta-analysis of Tai Chi for osteoarthritis of the knee	2013	systematic review
Messier, S. P.; Mihalko, S. L.; Beavers, D. P.; Nicklas, B. J.; DeVita, P.; Carr, J. J.; Hunter, D. J.; Williamson, J. D.; Bennell, K. L.; Guermazi, A.; Lyles, M.; Loeser, R. F.	Strength Training for Arthritis Trial (START): design and rationale	2013	study protocol
Rabago, D.; Kijowski, R.; Woods, M.; Patterson, J. J.; Mundt, M.; Zgierska, A.; Grettie, J.; Lyftogt, J.; Fortney, L.	Association between disease-specific quality of life and magnetic resonance imaging outcomes in a clinical trial of prolotherapy for knee osteoarthritis	2013	< 30 pts per group; n1 = 13; n2 = 24
Boyaci, A.; Tutoglu, A.; Boyaci, N.; Aridici, R.; Koca, I.	Comparison of the efficacy of ketoprofen phonophoresis, ultrasound, and short-wave diathermy in knee osteoarthritis	2013	< 4 week followup
van Middelkoop, M.; Dziedzic, K. S.; Doherty, M.; Zhang, W.; Bijlsma, J. W.; McAlindon, T. E.; Lohmander, S. L.; Bierma-Zeinstra, S. M.	Individual patient data meta-analysis of trials investigating the effectiveness of intra-articular glucocorticoid injections in patients with knee or hip osteoarthritis: an OA Trial Bank protocol for a systematic review	2013	systematic review
Tanaka, R.; Ozawa, J.; Kito, N.; Moriyama, H.	Efficacy of strengthening or aerobic exercise on pain relief in people with knee osteoarthritis: a systematic review and meta-analysis of randomized controlled trials	2013	systematic review
Pinto, D.; Robertson, M. C.; Abbott, J. H.; Hansen, P.; Campbell, A. J.; M. O. A. Trial Team	Manual therapy, exercise therapy, or both, in addition to usual care, for osteoarthritis of the hip or knee. 2: economic evaluation alongside a randomized controlled trial	2013	less than 80% oak
Kim, E. J.; Lim, C. Y.; Lee, E. Y.; Lee, S. D.; Kim, K. S.	Comparing the effects of individualized, standard, sham and no acupuncture in the treatment of knee osteoarthritis: a multicenter randomized controlled trial	2013	protocol only - no results



Merchant, S.; Provenzano, D.; Mody, S.; Ho, K. F.; Etropolski, M.	Composite measure to assess efficacy/gastrointestinal tolerability of tapentadol ER versus oxycodone CR for chronic pain: pooled analysis of randomized studies	2013	systematic review
Spierings, E. L.; Fidelholtz, J.; Wolfram, G.; Smith, M. D.; Brown, M. T.; West, C. R.	A phase III placebo- and oxycodone-controlled study of tanezumab in adults with osteoarthritis pain of the hip or knee	2013	<80% OA of Knee; Table 1 (77.9%)
Yim, J. H.; Seon, J. K.; Song, E. K.; Choi, J. I.; Kim, M. C.; Lee, K. B.; Seo, H. Y.	A comparative study of meniscectomy and nonoperative treatment for degenerative horizontal tears of the medial meniscus	2013	Irrelevant Topic: Meniscus Tear
Rabago, D.; Patterson, J. J.; Mundt, M.; Kijowski, R.; Grettie, J.; Segal, N. A.; Zgierska, A.	Dextrose prolotherapy for knee osteoarthritis: a randomized controlled trial	2013	less than 30 patients per group
Wu, D.; Huang, Y.; Gu, Y.; Fan, W.	Efficacies of different preparations of glucosamine for the treatment of osteoarthritis: a meta-analysis of randomised, double-blind, placebo-controlled trials	2013	systematic review* References Reviewed
Chen, W. L.; Hsu, W. C.; Lin, Y. J.; Hsieh, L. F.	Comparison of intra-articular hyaluronic acid injections with transcutaneous electric nerve stimulation for the management of knee osteoarthritis: a randomized controlled trial	2013	< 30 pts per group; n1 = 27, n2 =23
Penny, P.; Geere, J.; Smith, T. O.	A systematic review investigating the efficacy of laterally wedged insoles for medial knee osteoarthritis	2013	systematic review
Christensen, P.; Frederiksen, R.; Bliddal, H.; Riecke, B. F.; Bartels, E. M.; Henriksen, M.; Juul, S. Rensen T.; Gudbergesen, H.; Winther, K.; Astrup, A.; Christensen, R.	Comparison of three weight maintenance programs on cardiovascular risk, bone and vitamins in sedentary older adults	2013	irrelevant outcomes: bone density and nutrient content
Malas, F. U.; Ozcakar, L.; Kaymak, B.; Ulasli, A.; Guner, S.; Kara, M.; Akinci, A.	Effects of different strength training on muscle architecture: clinical and ultrasonographic evaluation in knee osteoarthritis	2013	<30 patients per group
Palmieri, B.; Rottigni, V.; Iannitti, T.	Preliminary study of highly cross-linked hyaluronic acid-based combination therapy for management of knee osteoarthritis-related pain	2013	<30 patients per group
Abbott, J. H.; Robertson, M. C.; Chapple, C.; Pinto, D.; Wright, A. A.; Leon de la Barra, S.; Baxter, G. D.	Manual therapy, exercise therapy, or both, in addition to usual care, for osteoarthritis of the hip or knee: a randomized controlled trial. 1: clinical effectiveness	2013	it is unclear if there are 30 knee patients per group is the table that stratifies results by hip/knee patients

Theis, J. C.; Campbell, A. J.; M. O. A. Trial team			
Patel, S.; Dhillon, M. S.; Aggarwal, S.; Marwaha, N.; Jain, A.	Treatment with platelet-rich plasma is more effective than placebo for knee osteoarthritis: a prospective, double-blind, randomized trial	2013	<30 patients per group
Madhu, K.; Chanda, K.; Saji, M. J.	Safety and efficacy of Curcuma longa extract in the treatment of painful knee osteoarthritis: a randomized placebo-controlled trial	2013	< 30 pts per group; n1 = 29, n2 =24, n3 = 28, n4 = 29
Hochberg, M.; Chevalier, X.; Henrotin, Y.; Hunter, D. J.; Uebelhart, D.	Symptom and structure modification in osteoarthritis with pharmaceutical-grade chondroitin sulfate: what's the evidence?	2013	systematic review* References Reviewed
Amzallag, J.; Pujol, N.; Maqdes, A.; Beaufile, P.; Judet, T.; Catonne, Y.	Patellar height modification after high tibial osteotomy by either medial opening-wedge or lateral closing-wedge osteotomies	2013	irrelevant topic; patellar architecture
Tsai, P. F.; Chang, J. Y.; Beck, C.; Kuo, Y. F.; Keefe, F. J.	A pilot cluster-randomized trial of a 20-week Tai Chi program in elders with cognitive impairment and osteoarthritic knee: effects on pain and other health outcomes	2013	less than 30 patients per group
Jones, R. K.; Nester, C. J.; Richards, J. D.; Kim, W. Y.; Johnson, D. S.; Jari, S.; Laxton, P.; Tyson, S. F.	A comparison of the biomechanical effects of valgus knee braces and lateral wedged insoles in patients with knee osteoarthritis	2013	<4 week follow up
Spahn, G.; Hofmann, G. O.; Klinger, H. M.	The effects of arthroscopic joint debridement in the knee osteoarthritis: results of a meta-analysis	2013	systematic review* References Reviewed
Hasegawa, M.; Yamazaki, S.; Kimura, M.; Nakano, K.; Yasumura, S.	Community-based exercise program reduces chronic knee pain in elderly Japanese women at high risk of requiring long-term care: a non-randomized controlled trial	2013	unclear if patient population specific to KOA patients
Niempoog, S.; Pawa, K. K.; Amatyakul, C.	The efficacy of powdered ginger in osteoarthritis of the knee	2012	<30 patients per group
Iannitti, T.; Rottigni, V.; Palmieri, B.	A pilot study to compare two different hyaluronic acid compounds for treatment of knee osteoarthritis	2012	less than 30 patients per group
Tashiro, T.; Seino, S.; Sato, T.; Matsuoka, R.; Masuda, Y.; Fukui, N.	Oral administration of polymer hyaluronic acid alleviates symptoms of knee osteoarthritis: a double-blind, placebo-controlled study over a 12-month period	2012	< 30 pts per group; n1 = 18, n2 = 20

Wang, S. Y.; Olson-Kellogg, B.; Shamliyan, T. A.; Choi, J. Y.; Ramakrishnan, R.; Kane, R. L.	Physical therapy interventions for knee pain secondary to osteoarthritis: a systematic review	2012	systematic review
Gallelli, L.; Galasso, O.; Urzino, A.; Sacca, S.; Falcone, D.; Palleria, C.; Longo, P.; Corigliano, A.; Terracciano, R.; Savino, R.; Gasparini, G.; De Sarro, G.; Southworth, S. R.	Characteristics and clinical implications of the pharmacokinetic profile of ibuprofen in patients with knee osteoarthritis	2012	< 4 week followup
Brosseau, L.; Wells, G. A.; Kenny, G. P.; Reid, R.; Maetzel, A.; Tugwell, P.; Huijbregts, M.; McCullough, C.; De Angelis, G.; Chen, L.	The implementation of a community-based aerobic walking program for mild to moderate knee osteoarthritis (OA): a knowledge translation (KT) randomized controlled trial (RCT): Part I: The Uptake of the Ottawa Panel clinical practice guidelines (CPGs)	2012	clinical outcomes in article #289
Ali, A.; Kahn, J.; Rosenberger, L.; Perlman, A. I.	Development of a manualized protocol of massage therapy for clinical trials in osteoarthritis	2012	study protocol
Carnes, J.; Stannus, O.; Cicuttini, F.; Ding, C.; Jones, G.	Knee cartilage defects in a sample of older adults: natural history, clinical significance and factors influencing change over 2.9 years	2012	does not test if change in bmi is associated iwth outcome
Bechard, D. J.; Birmingham, T. B.; Zecevic, A. A.; Jones, I. C.; Leitch, K. M.; Giffin, J. R.; Jenkyn, T. R.	The effect of walking poles on the knee adduction moment in patients with varus gonarthrosis	2012	<30 patients per group
Rutjes, A. W.; Juni, P.; da Costa, B. R.; Trelle, S.; Nuesch, E.; Reichenbach, S.	Viscosupplementation for osteoarthritis of the knee: a systematic review and meta-analysis	2012	systematic review
Street, R. L., Jr.; Cox, V.; Kallen, M. A.; Suarez-Almazor, M. E.	Exploring communication pathways to better health: clinician communication of expectations for acupuncture effectiveness	2012	pico not answered; no tx of interest
Smith, T. O.; King, J. J.; Hing, C. B.	The effectiveness of proprioceptive-based exercise for osteoarthritis of the knee: a systematic review and meta-analysis	2012	systematic review
Roth, S. H.; Fuller, P.	Pooled safety analysis of diclofenac sodium topical solution 1.5% (w/w) in the treatment of osteoarthritis in patients aged 75 years or older	2012	narrative review
Gworys, K.; Gasztych, J.; Puzder, A.; Gworys, P.; Kujawa, J.	Influence of various laser therapy methods on knee joint pain and function in patients with knee osteoarthritis	2012	<4 week follow up

Purepong, N.; Jitvimonrat, A.; Sitthipornvorakul, E.; Eksakulkla, S.; Janwantanakul, P.	External validity in randomised controlled trials of acupuncture for osteoarthritis knee pain	2012	systematic review
Kertia, N.; Asdie, A. H.; Rochmah, W.; Marsetyawan,	Ability of curcuminoid compared to diclofenac sodium in reducing the secretion of cyclooxygenase-2 enzyme by synovial fluid's monocytes of patients with osteoarthritis	2012	no patient oriented outcomes
Colen, S.; van den Bekerom, M. P.; Mulier, M.; Haverkamp, D.	Hyaluronic acid in the treatment of knee osteoarthritis: a systematic review and meta-analysis with emphasis on the efficacy of different products	2012	systematic review
Fitzgerald, G. K.; White, D. K.; Piva, S. R.	Associations for change in physical and psychological factors and treatment response following exercise in knee osteoarthritis: an exploratory study	2012	pico not answered; no tx of interest
Cao, L.; Zhang, X. L.; Gao, Y. S.; Jiang, Y.	Needle acupuncture for osteoarthritis of the knee. A systematic review and updated meta-analysis	2012	systematic review
Van Vijven, J. P.; Luijsterburg, P. A.; Verhagen, A. P.; van Osch, G. J.; Kloppenburg, M.; Bierma-Zeinstra, S. M.	Symptomatic and chondroprotective treatment with collagen derivatives in osteoarthritis: a systematic review	2012	systematic review* References Reviewed
Schauss, A. G.; Stenehjem, J.; Park, J.; Endres, J. R.; Clewell, A.	Effect of the novel low molecular weight hydrolyzed chicken sternal cartilage extract, BioCell Collagen, on improving osteoarthritis-related symptoms: a randomized, double-blind, placebo-controlled trial	2012	Hip/Knee patients and % Knee OA Unclear
Adatia, A.; Rainsford, K. D.; Kean, W. F.	Osteoarthritis of the knee and hip. Part II: therapy with ibuprofen and a review of clinical trials	2012	systematic review
Choi, T. Y.; Choi, J.; Kim, K. H.; Lee, M. S.	Moxibustion for the treatment of osteoarthritis: a systematic review and meta-analysis	2012	systematic review
Silva, A.; Serrao, P. R.; Driusso, P.; Mattiello, S. M.	The effects of therapeutic exercise on the balance of women with knee osteoarthritis: a systematic review	2012	systematic review
Bond, M.; Davis, A.; Lohmander, S.; Hawker, G.	Responsiveness of the OARSI-OMERACT osteoarthritis pain and function measures	2012	<80% OA of Knee; 76.5% (results - sample characteristics)
Loew, L.; Brosseau, L.; Wells, G. A.; Tugwell, P.; Kenny, G. P.; Reid, R.; Maetzel, A.; Huijbregts, M.; McCullough, C.; De Angelis, G.; Coyle, D.; Ottawa, Panel	Ottawa panel evidence-based clinical practice guidelines for aerobic walking programs in the management of osteoarthritis	2012	systematic review

Colen, S.; Haverkamp, D.; Mulier, M.; van den Bekerom, M. P.	Hyaluronic acid for the treatment of osteoarthritis in all joints except the knee: what is the current evidence?	2012	systematic review
Hunter, D.; Gross, K. D.; McCree, P.; Li, L.; Hirko, K.; Harvey, W. F.	Realignment treatment for medial tibiofemoral osteoarthritis: randomised trial	2012	< 30 pts per group; n1 = 29, n2 = 27
Perlman, A. I.; Ali, A.; Njike, V. Y.; Hom, D.; Davidi, A.; Gould-Fogerite, S.; Milak, C.; Katz, D. L.	Massage therapy for osteoarthritis of the knee: a randomized dose-finding trial	2012	< 30 pts per group
Bohlooli, S.; Jastan, M.; Nakhostin-Roohi, B.; Mohammadi, S.; Baghaei, Z.	A pilot double-blinded, randomized, clinical trial of topical virgin olive oil versus piroxicam gel in osteoarthritis of the knee	2012	< 30 pts per group; n1=30, n2=28
Giggins, O.; Fullen, B.; Coughlan, G.	Neuromuscular electrical stimulation in the treatment of knee osteoarthritis: a systematic review and meta-analysis	2012	systematic review* References Reviewed
Miller, G. D.; Nicklas, B. J.; Davis, C. C.; Legault, C.; Messier, S. P.	Basal growth hormone concentration increased following a weight loss focused dietary intervention in older overweight and obese women	2012	no patient oriented outcomes
Pinto, D.; Robertson, M. C.; Hansen, P.; Abbott, J. H.	Cost-effectiveness of nonpharmacologic, nonsurgical interventions for hip and/or knee osteoarthritis: systematic review	2012	systematic review
Baraf, H. S.; Gold, M. S.; Petruschke, R. A.; Wieman, M. S.	Tolerability of topical diclofenac sodium 1% gel for osteoarthritis in seniors and patients with comorbidities	2012	review
Davis, A. M.	Osteoarthritis year in review: rehabilitation and outcomes	2012	systematic review
Lee, R.; Kean, W. F.	Obesity and knee osteoarthritis	2012	systematic review
Henriksen, M.; Christensen, R.; Danneskiold-Samsoe, B.; Bliddal, H.	Changes in lower extremity muscle mass and muscle strength after weight loss in obese patients with knee osteoarthritis: a prospective cohort study	2012	does not evaluate if weightloss is correlated with outcomes
Kolen, A. F.; de Nijs, R. N.; Wagemakers, F. M.; Meier, A. J.; Johnson, M. I.	Effects of spatially targeted transcutaneous electrical nerve stimulation using an electrode array that measures skin resistance on pain and mobility in patients with osteoarthritis in the knee: a randomized controlled trial	2012	< 4 week followup; <30 pts/group (n1 = 22, n2 = 26, n3 = 24)
Erhart-Hledik, J. C.; Elspas, B.; Giori, N. J.; Andriacchi, T. P.	Effect of variable-stiffness walking shoes on knee adduction moment, pain, and function in subjects with medial compartment knee osteoarthritis after 1 year	2012	< 30 pts per group; n1 = 34 n2 = 26
Denegar, C. R.; Schimizzi, M. E.; Dougherty, D. R.; Friedman, J. E.;	Responses to superficial heating and cooling differ in men and women with knee osteoarthritis	2012	less than 4 week follow up

Clark, J. E.; Comstock, B. A.; Kraemer, W. J.			
Chen, C. P. C.; Chen, J. L.; Hsu, C. C.; Pei, Y. C.; Chang, W. H.; Lu, H. C.	Injecting autologous platelet rich plasma solely into the knee joint is not adequate in treating geriatric patients with moderate to severe knee osteoarthritis	2019	< 30 pts per group; total n = 30
MacFarlane, L. A.; Yang, H.; Collins, J. E.; Guermazi, A.; Jones, M. H.; Spindler, K. P.; Winter, A. R.; Losina, E.; Katz, J. N.; and the MeTe, O. R. Investigator Group; Brophy, R. H.; Cole, B. J.; Levy, B. A.; Mandl, L. A.; Martin, S.; Marx, R. G.; Matava, M.; Safran-Norton, C.; Stuart, M.; Wright, R.	Influence of Baseline Magnetic Resonance Imaging Features on Outcome of Arthroscopic Meniscectomy and Physical Therapy Treatment of Meniscal Tears in Osteoarthritis	2019	less than 80% oak
Ji, W.; Luo, C.; Zhan, Y.; Xie, X.; He, Q.; Zhang, B.	A residual intra-articular varus after medial opening wedge high tibial osteotomy (HTO) for varus osteoarthritis of the knee	2019	insufficient data for target comparison: no outcomes of interest
Masaki, T.; Takahashi, K.; Hashimoto, S.; Ikuta, F.; Watanabe, A.; Kiuchi, S.; Okuaki, T.; Mochizuki, Y.; Takai, S.	Volume change in infrapatellar fat pad is associated not with obesity but with cartilage degeneration	2018	does not test if change in bmi is associated iwth outcome
Sahin, H. G.; Kunduracilar, Z.; Sonmezer, E.; Ayas, S.	Effects of two different aquatic exercise trainings on cardiopulmonary endurance and emotional status in patients with knee osteoarthritis	2018	< 4 week follow-up
Altmis, H.; Oskay, D.; Elbasan, B.; Duzgun, I.; Tuna, Z.	Mobilization with movement and kinesio taping in knee arthritis-evaluation and outcomes	2018	< 30 pts per group; n1 = 20, n2 = 20, n3 = 20
Hevesi, M.; Macalena, J. A.; Wu, I. T.; Camp, C. L.; Levy, B. A.; Arendt, E. A.; Stuart, M. J.; Krych, A. J.	High tibial osteotomy with modern PEEK implants is safe and leads to lower hardware removal rates when compared to conventional metal fixation: a multi-center comparison study	2018	not relevant comparison to pico question
Mansfield, C.; VanEtten, L.; Willy, R.; Di Stasi, S.; Magnussen, R.; Briggs, M.	The Effects of Needling Therapies on Muscle Force Production: A Systematic Review and Meta-Analysis	2018	systematic review* References Reviewed
Dernek, B.; Kesiktas, F. N.	Efficacy of combined ozone and platelet-rich-plasma treatment versus platelet-rich-plasma treatment alone in early stage knee osteoarthritis	2018	not relevant comparison

Lopa, S.; Colombini, A.; Moretti, M.; de Girolamo, L.	Injective mesenchymal stem cell-based treatments for knee osteoarthritis: from mechanisms of action to current clinical evidences	2018	review
Conrozier, T.; Monfort, J.; Chevalier, X.; Raman, R.; Richette, P.; Diracoglu, D.; Bard, H.; Baron, D.; Jerosch, J.; Migliore, A.; Henrotin, Y.	EUROVISO Recommendations for Optimizing the Clinical Results of Viscosupplementation in Osteoarthritis	2018	AUC review
Sanchez, M.; Delgado, D.; Pompei, O.; Perez, J. C.; Sanchez, P.; Garate, A.; Bilbao, A. M.; Fiz, N.; Padilla, S.	Treating Severe Knee Osteoarthritis with Combination of Intra- Osseous and Intra-Articular Infiltrations of Platelet-Rich Plasma: An Observational Study	2018	not relevant comparison
Belcaro, G.; Dugall, M.; Luzzi, R.; Ledda, A.; Pellegrini, L.; Hu, S.; Ippolito, E.	Management of osteoarthritis (OA) with the pharma-standard supplement FlexiQule (Boswellia): a 12-week registry	2015	very low quality
Edge, R.; Farrah, K.	(untitled)	2017	systematic review
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	no relevant comparison
Raman, R.; Henrotin, Y.; Chevalier, X.; Migliore, A.; Jerosch, J.; Montfort, J.; Bard, H.; Baron, D.; Richette, P.; Conrozier, T.	Decision Algorithms for the Retreatment with Viscosupplementation in Patients Suffering from Knee Osteoarthritis: Recommendations from the EUROpean VIScosupplementation COnsensus Group (EUROVISO)	2018	consensus statements
Han, S. B.; Lee, J. H.; Kim, S. G.; Cui, C. G.; Suh, D. W.; Lee, S. Y.; Jang, K. M.	Patient-reported outcomes correlate with functional scores after opening-wedge high tibial osteotomy: a clinical study	2018	case series
Janyachoen, T.; Yonglitthipagon, P.; Nakmareong, S.; Katiyajan, N.; Auvichayapat, P.; Sawanyawisuth, K.	Effects of the applied ancient boxing exercise on leg strength and quality of life in patients with osteoarthritis	2018	less than 30 patients per group
Reid, M. C.; Shengelia, R.; Parker, S. J.	Pharmacologic Management of Osteoarthritis-Related Pain in Older Adults: A Review Shows that Many Drug Therapies Provide Small-to-Modest Pain Relief	2012	systematic review* References Reviewed
Feragalli, B.; Dugall, M.; Luzzi, R.; Ledda, A.; Hosoi, M.; Belcaro, G.; Cesarone, M. R.	Pycnogenol: supplementary management of symptomatic osteoarthritis with a patch. An observational registry study	2019	not relevant to pico

Ciolac, E. G.; Rodrigues da Silva, J. M.; de Rezende, M. U.	Physical activity prevents blood pressure increases in individuals under treatment for knee osteoarthritis	2018	does compare relevant interventions, but rather enrolls all patients from the intervention group of a previous trial on education, and evaluates if self selected physical activity change was related to blood pressure change
Fraioli, A.; Mennuni, G.; Fontana, M.; Nocchi, S.; Ceccarelli, F.; Perricone, C.; Serio, A.	Efficacy of Spa Therapy, Mud-Pack Therapy, Balneotherapy, and Mud-Bath Therapy in the Management of Knee Osteoarthritis. A Systematic Review	2018	systematic review* References Reviewed
Jee, H.; Lee, H. D.; Lee, S. Y.	Evidence-Based Cutoff Threshold Values from Receiver Operating Characteristic Curve Analysis for Knee Osteoarthritis in the 50-Year-Old Korean Population: Analysis of Big Data from the National Health Insurance Sharing Service	2018	full analysis not specific to OA, and evaluates risk of developing oa
Health Quality, Ontario	Structured Education and Neuromuscular Exercise Program for Hip and/or Knee Osteoarthritis: A Health Technology Assessment	2018	systematic review
Liu, B.; Chen, W.; Zhang, Q.; Yan, X.; Zhang, F.; Dong, T.; Yang, G.; Zhang, Y.	Proximal fibular osteotomy to treat medial compartment knee osteoarthritis: Preoperational factors for short-term prognosis	2018	no relevant comparison
Winter, A. R.; Collins, J. E.; Katz, J. N.	The likelihood of total knee arthroplasty following arthroscopic surgery for osteoarthritis: a systematic review	2017	systematic review
Derry, S.; Wiffen, P. J.; Kalso, E. A.; Bell, R. F.; Aldington, D.; Phillips, T.; Gaskell, H.; Moore, R. A.	Topical analgesics for acute and chronic pain in adults - an overview of Cochrane Reviews	2017	systematic review*
Wang, Y.; Lu, S.; Wang, R.; Jiang, P.; Rao, F.; Wang, B.; Zhu, Y.; Hu, Y.; Zhu, J.	Integrative effect of yoga practice in patients with knee arthritis: A PRISMA-compliant meta-analysis	2018	systematic review
Pak, J.; Lee, J. H.; Pak, N.; Pak, Y.; Park, K. S.; Jeon, J. H.; Jeong, B. C.; Lee, S. H.	Cartilage Regeneration in Humans with Adipose Tissue-Derived Stem Cells and Adipose Stromal Vascular Fraction Cells: Updated Status	2018	systematic review* References Reviewed
Hulsopple, C.	Musculoskeletal Therapies: Musculoskeletal Injection Therapy	2018	narrative review
Na, Y. G.; Lee, B. K.; Hwang, D. H.; Choi, E. S.; Sim, J. A.	Can osteoarthritic patients with mild varus deformity be indicated for high tibial osteotomy?	2018	no relevant comparison
Liu, C. Y.; Li, C. D.; Wang, L.; Ren, S.; Yu, F. B.; Li, J. G.; Ma, J. X.; Ma, X. L.	Function scores of different surgeries in the treatment of knee osteoarthritis: A PRISMA-compliant systematic review and network-meta analysis	2018	systematic review



Kolisek, F. R.; Jaggard, C.; Khlopas, A.; Sultan, A. A.; Sodhi, N.; Mont, M. A.	A Comparative Effectiveness Study for Non-Operative Treatment Methods for Knee Osteoarthritis	2018	< 30 pts per group; n1 = 16, n2 = 19, n3 = 14
Kunduracilar, Z.; Guvenir Sahin, H.; Sonmezer, E.; Sozay, S.	The effects of two different water exercise trainings on pain, functional status and balance in patients with knee osteoarthritis	2018	unclear if length of follow up was at least 4 weeks
Ferrero, G.; Sconfienza, L. M.; Fiz, F.; Fabbro, E.; Corazza, A.; Dettore, D.; Orlandi, D.; Castellazzo, C.; Tornago, S.; Serafini, G.	Effect of intra-articular injection of intermediate-weight hyaluronic acid on hip and knee cartilage: in-vivo evaluation using T2 mapping	2018	<80% OA of Knee; Table 1
Lambova, S.	Exercise Programmes for Osteoarthritis with Different Localization	2018	narrative review
Garay-Mendoza, D.; Villarreal-Martinez, L.; Garza-Bedolla, A.; Perez-Garza, D. M.; Acosta-Olivo, C.; Vilchez-Cavazos, F.; Diaz-Hutchinson, C.; Gomez-Almaguer, D.; Jaime-Perez, J. C.; Mancias-Guerra, C.	The effect of intra-articular injection of autologous bone marrow stem cells on pain and knee function in patients with osteoarthritis	2018	< 30 pts per group; n1 = 26, n2 = 5
Hangaard, S.; Gudbergesen, H.; Skougaard, M.; Bliddal, H.; Nybing, J. D.; Tiderius, C. J.; Boesen, M.	Point of no return for improvement of cartilage quality indicated by dGEMRIC before and after weight loss in patients with knee osteoarthritis: a cohort study	2018	< 30 pts per group; 19 used for analysis
Liska, F.; Voss, A.; Imhoff, F. B.; Willinger, L.; Imhoff, A. B.	Nonunion and delayed union in lateral open wedge distal femoral osteotomies-a legitimate concern?	2018	< 30 pts per group; total n = 41
Prakash, J.; Song, E. K.; Lim, H. A.; Shin, Y. J.; Jin, C.; Seon, J. K.	High tibial osteotomy accelerates lateral compartment osteoarthritis in discoid meniscus patients	2018	confounded treatment comparison
Guedes, V.; Castro, J. P.; Brito, I.	Topical capsaicin for pain in osteoarthritis: A literature review	2018	systematic review* References Reviewed
Garcia-Perez, L.; Linertova, R.; Arvelo-Martin, A.; Guerra-Marrero, C.; Martinez-Alberto, C. E.; Cuellar-Pompa, L.; Escobar, A.; Serrano-Aguilar, P.	Methodological Quality of Economic Evaluations Alongside Trials of Knee Physiotherapy	2017	systematic review
Kim, C. W.; Seo, S. S.; Lee, C. R.; Gwak, H. C.; Kim, J. H.; Jung, S. G.	Factors affecting articular cartilage repair after open-wedge high tibial osteotomy	2017	no relevant comparison
Li, Z. M.; Li, M.	Improvement in orthopedic outcome score and reduction in IL-1beta, CXCL13, and TNF-alpha in synovial fluid of osteoarthritis patients following arthroscopic knee surgery	2017	case series

Nguyen, C.; Rannou, F.	The safety of intra-articular injections for the treatment of knee osteoarthritis: a critical narrative review	2017	narrative review
Hung, M.; Bounsanga, J.; Voss, M. W.; Gu, Y.; Crum, A. B.; Tang, P.	Dietary and Supplemental Vitamin C and D on Symptom Severity and Physical Function in Knee Osteoarthritis	2017	study is not an intervention study, but more of an aetiological one, since it evaluates the effect of self-selected diet or supplementation
Maricar, N.; Parkes, M. J.; Callaghan, M. J.; Hutchinson, C. E.; Gait, A. D.; Hodgson, R.; Felson, D. T.; O'Neill, T. W.	Structural predictors of response to intra-articular steroid injection in symptomatic knee osteoarthritis	2017	case series
Huang, P. H.; Wang, C. J.; Chou, W. Y.; Wang, J. W.; Ko, J. Y.	Short-term clinical results of intra-articular PRP injections for early osteoarthritis of the knee	2017	Sample Size too Small (n < 30 per group)
Gersing, A. S.; Schwaiger, B. J.; Nevitt, M. C.; Joseph, G. B.; Chanckek, N.; Guimaraes, J. B.; Mbapte Wamba, J.; Facchetti, L.; McCulloch, C. E.; Link, T. M.	Is Weight Loss Associated with Less Progression of Changes in Knee Articular Cartilage among Obese and Overweight Patients as Assessed with MR Imaging over 48 Months? Data from the Osteoarthritis Initiative	2017	not specific to patients with OAK at baseline
Zhang, X.; Eyles, J. P.; Makovey, J.; Williams, M. J.; Hunter, D. J.	Is the effectiveness of patellofemoral bracing modified by patellofemoral alignment and trochlear morphology?	2017	< 30 pts per group; total n = 38
Polat, G.; Balci, H. I.; Cakmak, M. F.; Demirel, M.; Sen, C.; Asik, M.	Long-term results and comparison of the three different high tibial osteotomy and fixation techniques in medial compartment arthrosis	2017	Sample Size too Small (n < 30 per group)
Stitik, T. P.; Issac, S. M.; Modi, S.; Nasir, S.; Kulinets, I.	Effectiveness of 3 Weekly Injections Compared With 5 Weekly Injections of Intra-Articular Sodium Hyaluronate on Pain Relief of Knee Osteoarthritis or 3 Weekly Injections of Other Hyaluronan Products: A Systematic Review and Meta-Analysis	2017	systematic review
Kearey, P.; Popple, A. E.; Warren, J.; Davis, T.; Bellamy, N.; Lobras Study Group	Improvement in condition-specific and generic quality of life outcomes in patients with knee osteoarthritis following single-injection Synvisc: results from the LOBRAS study	2017	case series; one group
Rosen, J.; Sancheti, P.; Fierlinger, A.; Niazi, F.; Johal, H.; Bedi, A.	Potential Impact of Biologically Derived Hyaluronic Acid on Quality of Life in Patients with Knee Osteoarthritis in the United States	2017	no human subjects

Rongen, J. J.; Rovers, M. M.; van Tienen, T. G.; Buma, P.; Hannink, G.	Increased risk for knee replacement surgery after arthroscopic surgery for degenerative meniscal tears: a multi-center longitudinal observational study using data from the osteoarthritis initiative	2017	aetiological study. doesn't really evaluate PM as intervention for oa
Kim, C. W.; Lee, C. R.; Seo, S. S.; Gwak, H. C.; Kim, J. H.; Jeong, J. W.	Clinical Efficacy of an Arthroscopic Surgery in Open Wedge High Tibial Osteotomy	2017	less than 30 patients per group
Richards, R.; van den Noort, J. C.; Dekker, J.; Harlaar, J.	Gait Retraining With Real-Time Biofeedback to Reduce Knee Adduction Moment: Systematic Review of Effects and Methods Used	2017	systematic review
Habib, G.; Khatib, M.; Sakas, F.; Artul, S.; Jabaly-Habib, H.	Pre-injection of hyaluronic acid does not affect the systemic effects of intra-articular depot betamethasone injection at the knee joint	2017	< 30 pts per group; n1 = 12, n2 = 12
Roemer, F. W.; Kwoh, C. K.; Hannon, M. J.; Hunter, D. J.; Eckstein, F.; Grago, J.; Boudreau, R. M.; Englund, M.; Guermazi, A.	Partial meniscectomy is associated with increased risk of incident radiographic osteoarthritis and worsening cartilage damage in the following year	2017	evaluates meniscectomy as a risk factor for oa
Baghaei Roodsari, R.; Esteki, A.; Aminian, G.; Ebrahimi, I.; Mousavi, M. E.; Majdoleslami, B.; Bahramian, F.	The effect of orthotic devices on knee adduction moment, pain and function in medial compartment knee osteoarthritis: a literature review	2017	systematic review
Perkins, K.; Sahy, W.; Beckett, R. D.	Efficacy of Curcuma for Treatment of Osteoarthritis	2017	systematic review
Saier, T.; Minzlaff, P.; Feucht, M. J.; Lammler, L.; Burghoff, M.; Ihle, C.; Imhoff, A. B.; Hinterwimmer, S.	Health-related quality of life after open-wedge high tibial osteotomy	2017	case series
Goshima, K.; Sawaguchi, T.; Sakagoshi, D.; Shigemoto, K.; Hatsuchi, Y.; Akahane, M.	Age does not affect the clinical and radiological outcomes after open-wedge high tibial osteotomy	2017	case series
Kim, K. I.; Kim, G. B.; Kim, H. J.; Song, S. J.	Does the pre-operative status of the anterior cruciate ligament affect the outcomes following medial open-wedge high tibial osteotomy?	2018	case series
Kim, K. I.; Kim, G. B.; Kim, H. J.; Lee, S. H.; Yoon, W. K.	Extra-articular Lateral Hinge Fracture Does Not Affect the Outcomes in Medial Open-Wedge High Tibial Osteotomy Using a Locked Plate System	2018	case series
Souza, L. A. B.; Rocha, V. M. D.; Ramos, M. R. F.	The role of microfractures with tibial osteotomy in the treatment of knee osteoarthritis with a varus deformity	2018	not relevant comparison

Wasserman, A.; Matthewson, G.; MacDonald, P.	Platelet-Rich Plasma and the Knee-Applications in Orthopedic Surgery	2018	non-systematic review
Kim, Y. S.; Koh, Y. G.	Comparative Matched-Pair Analysis of Open-Wedge High Tibial Osteotomy With Versus Without an Injection of Adipose-Derived Mesenchymal Stem Cells for Varus Knee Osteoarthritis: Clinical and Second-Look Arthroscopic Results	2018	outcomes measured after osteotomy
Jonsson, T.; Ekvall Hansson, E.; Thorstensson, C. A.; Eek, F.; Bergman, P.; Dahlberg, L. E.	The effect of education and supervised exercise on physical activity, pain, quality of life and self-efficacy - an intervention study with a reference group	2018	insufficient data for target condition: < 80% knee OA (Table 1)
Vannabouathong, C.; Bhandari, M.; Bedi, A.; Khanna, V.; Yung, P.; Shetty, V.; Khan, M.	Nonoperative Treatments for Knee Osteoarthritis: An Evaluation of Treatment Characteristics and the Intra-Articular Placebo Effect: A Systematic Review	2018	systematic review
Rodriguez-Merchan, E. C.; Garcia-Ramos, J. A.; Padilla-Eguiluz, N. G.; Gomez-Barrena, E.	Arthroscopic Partial Meniscectomy for Painful Degenerative Meniscal Tears in the Presence of Knee Osteoarthritis in Patients Older than 50 Years of Age: Predictors of an Early (1 to 5 Years) Total Knee Replacement	2018	no control group
Wang, X.; Wang, G.; Liu, C.; Cai, D.	Effectiveness of intra-articular ozone injections on outcomes of post-arthroscopic surgery for knee osteoarthritis	2018	not relevant comparison to pico question
Abdel-Aziem, A. A.; Soliman, E. S.; Mosaad, D. M.; Draz, A. H.	Effect of a physiotherapy rehabilitation program on knee osteoarthritis in patients with different pain intensities	2018	< 30 pts per group; n1 =23, n2 = 21, n3 = 22
Chen, L.; Li, D.; Zhong, J.; Qiu, B.; Wu, X.	Therapeutic Effectiveness and Safety of Mesotherapy in Patients with Osteoarthritis of the Knee	2018	< 30 pts per group; n1 = 24, n2 = 26
Bowman, S.; Awad, M. E.; Hamrick, M. W.; Hunter, M.; Fulzele, S.	Recent advances in hyaluronic acid based therapy for osteoarthritis	2018	systematic review* References Reviewed
Young, J. L.; Rhon, D. I.; Cleland, J. A.; Snodgrass, S. J.	The Influence of Exercise Dosing on Outcomes in Patients With Knee Disorders: A Systematic Review	2018	systematic review
Stefanik, J. J.; Felson, D. T.; Apovian, C. M.; Niu, J.; Margaret Clancy, M.; LaValley, M. P.; Neogi, T.	Changes in Pain Sensitization After Bariatric Surgery	2018	less than 30 patients per group
Boyer, E. R.; Stout, J. L.; Laine, J. C.; Gutknecht, S. M.; Araujo de Oliveira, L. H.; Munger, M. E.; Schwartz, M. H.; Novacheck, T. F.	Long-Term Outcomes of Distal Femoral Extension Osteotomy and Patellar Tendon Advancement in Individuals with Cerebral Palsy	2018	no OAK
Bisicchia, S.; Tudisco, C.	Hyaluronic acid vs corticosteroids in symptomatic knee osteoarthritis: a mini-review of the literature	2017	systematic review

Bhandari, M.; Bannuru, R. R.; Babins, E. M.; Martel-Pelletier, J.; Khan, M.; Raynauld, J. P.; Frankovich, R.; McLeod, D.; Devji, T.; Phillips, M.; Schemitsch, E. H.; Pelletier, J. P.	Intra-articular hyaluronic acid in the treatment of knee osteoarthritis: a Canadian evidence-based perspective	2017	systematic review
Fawzy, R. M.; Hashaad, N. I.; Mansour, A. I.	Decrease of serum biomarker of type II Collagen degradation (Coll2-1) by intra-articular injection of an autologous plasma-rich-platelet in patients with unilateral primary knee osteoarthritis	2017	case series
Dernek, B.; Kesiktas, F. N.; Duymus, T. M.; Aydin, T.; Isiksacan, N.; Diracoglu, D.; Aksoy, C.	Effect of platelet concentration on clinical improvement in treatment of early stage-knee osteoarthritis with platelet-rich plasma concentrations	2017	less than 30 patients per group
Kim, S. K.; Kim, S. G.; HwangBo, G.	The effect of horse-riding simulator exercise on the gait, muscle strength and muscle activation in elderly people with knee osteoarthritis	2017	< 30 pts per group; n1 = 15, n2 = 15
Bar-Or, D.; Rael, L. T.; Brody, E. N.	Use of Saline as a Placebo in Intra-articular Injections in Osteoarthritis: Potential Contributions to Nociceptive Pain Relief	2017	systematic review
Lee, J. H.; Lee, S.; Choi, S.; Choi, Y. H.; Lee, K.	The effects of extracorporeal shock wave therapy on the pain and function of patients with degenerative knee arthritis	2017	< 30 pts per group; total n = 20
Kim, S. K.; HwangBo, G.	The effects of horse-riding simulator exercise on balance in elderly with knee osteoarthritis	2017	no comparison group and less than 30 patients
Saturveithan, C.; Premganes, G.; Fakhri, S.; Mahathir, M.; Karuna, K.; Rauf, K.; William, H.; Akmal, H.; Sivapathasundaram, N.; Jaspreet, K.	Intra-articular Hyaluronic Acid (HA) and Platelet Rich Plasma (PRP) injection versus Hyaluronic acid (HA) injection alone in Patients with Grade III and IV Knee Osteoarthritis (OA): A Retrospective Study on Functional Outcome	2016	inadequate quality. retrospective, high risk of confounding, and inadequate reporting of statistical significance for VAS outcome
Kim, G. J.; Choi, J.; Lee, S.; Jeon, C.; Lee, K.	The effects of high intensity laser therapy on pain and function in patients with knee osteoarthritis	2016	< 30 pts per group; total n = 20
Dernek, B.; Duymus, T. M.; Koseoglu, P. K.; Aydin, T.; Kesiktas, F. N.; Aksoy, C.; Mutlu, S.	Efficacy of single-dose hyaluronic acid products with two different structures in patients with early-stage knee osteoarthritis	2016	<30 patients per group
Miller, L. E.; Altman, R. D.; McIntyre, L. F.	Unraveling the confusion behind hyaluronic acid efficacy in the treatment of symptomatic knee osteoarthritis	2016	systematic review

Miyagawa, H.; Ikemoto, T.; Honjo, H.; Akao, M.; Tsujimoto, T.; Ushida, T.	One-year results of voluntary-based supervised exercise or treatment at orthopedic clinic for radiographic severe knee osteoarthritis	2016	less than 30 patients per group
Sawada, T.; Kito, N.; Yukimune, M.; Tokuda, K.; Tanimoto, K.; Anan, M.; Takahashi, M.; Shinkoda, K.	Biomechanical effects of lateral and medial wedge insoles on unilateral weight bearing	2016	< 30 pts per group; n1 = 18, n2 = 6, n3 = 6
Kim, K.; Lee, H. Y.; Lim, S. J.	Effects of increased standing balance on pain in patients with knee osteoarthritis	2016	< 30 pts per group; n1 = 15, n2 = 15
Yildiriim, M. A.; Ucar, D.; Ones, K.	Comparison of therapeutic duration of therapeutic ultrasound in patients with knee osteoarthritis	2015	< 4 week follow-up
Dhippayom, T.; Kongkaew, C.; Chaiyakunapruk, N.; Dilokthornsakul, P.; Sruamsiri, R.; Saokaew, S.; Chuthaputti, A.	Clinical effects of thai herbal compress: a systematic review and meta-analysis	2015	systematic review
Yilar, S.; Yildirim, O. S.	Early and late-term results of arthroscopic surgery on patients with gonarthrosis	2014	no relevant treatment comparisons made
Uthman, O. A.; van der Windt, D. A.; Jordan, J. L.; Dziedzic, K. S.; Healey, E. L.; Peat, G. M.; Foster, N. E.	Exercise for lower limb osteoarthritis: systematic review incorporating trial sequential analysis and network meta-analysis	2014	systematic review
Al-Johani, A. H.; Kachanathu, S. J.; Ramadan Hafez, A.; Al-Ahaideb, A.; Algarni, A. D.; Meshari Alroumi, A.; Alanezi, A. M.	Comparative study of hamstring and quadriceps strengthening treatments in the management of knee osteoarthritis	2014	less than 30 patients per group
Balmaceda, C. M.	Clinical trial data in support of changing guidelines in osteoarthritis treatment	2014	narrative review
Maas, S.; Dikko Kaze, A.; Dueck, K.; Pape, D.	Static and Dynamic Differences in Fixation Stability between a Spacer Plate and a Small Stature Plate Fixator Used for High Tibial Osteotomies: A Biomechanical Bone Composite Study	2013	no outcomes of interest (biomechanical paper)
Chen, R.; Chen, M.; Xiong, J.; Su, T.; Zhou, M.; Sun, J.; Chi, Z.; Zhang, B.; Xie, D.	Comparative effectiveness of the deqi sensation and non-deqi by moxibustion stimulation: a multicenter prospective cohort study in the treatment of knee osteoarthritis	2013	not relevant comparison
Lee, S. H.; Kwon, G. S.; Kang, M. S.; Yoon, H. M.; Kim, C. H.	Comparative study on the effects of bee venom pharmacopuncture according to the treatment method for knee osteoarthritis	2012	< 30 pts per group; n1 = 16, n2 = 17, n3 = 16

McArthur, B. A.; Dy, C. J.; Fabricant, P. D.; Valle, A. G.	Long term safety, efficacy, and patient acceptability of hyaluronic acid injection in patients with painful osteoarthritis of the knee	2012	systematic review
Veronese, N.; Stubbs, B.; Noale, M.; Solmi, M.; Luchini, C.; Maggi, S.	Adherence to the Mediterranean diet is associated with better quality of life: data from the Osteoarthritis Initiative	2016	not specific to patients with OAK at baseline
Xing, D.; Wang, B.; Liu, Q.; Ke, Y.; Xu, Y.; Li, Z.; Lin, J.	Intra-articular Hyaluronic Acid in Treating Knee Osteoarthritis: a PRISMA-Compliant Systematic Review of Overlapping Meta-analysis	2016	systematic review
Shin, Y. S.; Kim, K. H.; Sim, H. B.; Yoon, J. R.	Comparison between two angular stable locking plates for medial opening-wedge high tibial osteotomy: Decisive wedge locking plate versus TomoFixTM	2016	no relevant comparison
Sadek, A. F.; Osman, M. K.; Laklok, M. A.	Management of combined knee medial compartmental and patellofemoral osteoarthritis with lateral closing wedge osteotomy with anterior translation of the distal tibial fragment: Does the degree of anteriorization affect the functional outcome and posterior tibial slope?	2016	no relevant comparison
Bicer, E. K.; Basa, C. D.; Gunay, H.; Aydogdu, S.; Sur, H.	The fate of fibular osteotomies performed during high tibial osteotomy	2016	less than 30 patients per group
Kwee, R. M.; Wirth, W.; Hafezi-Nejad, N.; Zikria, B. A.; Guerhazi, A.; Demehri, S.	Role of physical activity in cartilage damage progression of subjects with baseline full-thickness cartilage defects in medial tibiofemoral compartment: data from the Osteoarthritis Initiative	2016	does not test if change in bmi is associated with outcome
Conaghan, P. G.; Serpell, M.; McSkimming, P.; Junor, R.; Dickerson, S.	Satisfaction, Adherence and Health-Related Quality of Life with Transdermal Buprenorphine Compared with Oral Opioid Medications in the Usual Care of Osteoarthritis Pain	2016	unclear if patient population was 80% knee OA
Wylie, J. D.; Jones, D. L.; Hartley, M. K.; Kapron, A. L.; Krych, A. J.; Aoki, S. K.; Maak, T. G.	Distal Femoral Osteotomy for the Valgus Knee: Medial Closing Wedge Versus Lateral Opening Wedge: A Systematic Review	2016	systematic review* References Reviewed
Ha, C. W.; Park, Y. B.; Kyung, H. S.; Han, C. S.; Bae, K. C.; Lim, H. C.; Park, S. E.; Lee, M. C.; Won, Y. Y.; Lee, D. C.; Cho, S. D.; Kim, C. W.; Kim, J. G.; Kang, J. S.; Lee, J. H.; Choi, E. S.; Seon, J. K.; Lee, W. S.; Bin, S. I.	Gastrointestinal safety and efficacy of long-term GCSB-5 use in patients with osteoarthritis: A 24-week, multicenter study	2016	single arm trial

McClelland, D.; Barlow, D.; Moores, T. S.; Wynn-Jones, C.; Griffiths, D.; Ogrodnik, P. J.; Thomas, P. B.	Medium- and long-term results of high tibial osteotomy using Garches external fixator and gait analysis for dynamic correction in varus osteoarthritis of the knee	2016	< 30 pts per group; total n = 36
Park, K. K.; Choi, C. H.; Ha, C. W.; Lee, M. C.	The Effects of Adherence to Non-Steroidal Anti-Inflammatory Drugs and Factors Influencing Drug Adherence in Patients with Knee Osteoarthritis	2016	pico not answered; no comparison of interest
Sihvonon, R.; Englund, M.; Turkiewicz, A.; Jarvinen, T. L.	Mechanical symptoms as an indication for knee arthroscopy in patients with degenerative meniscus tear: a prospective cohort study	2016	no relevant comparison
Centeno, C. J.; Al-Sayegh, H.; Freeman, M. D.; Smith, J.; Murrell, W. D.; Bubnov, R.	A multi-center analysis of adverse events among two thousand, three hundred and seventy two adult patients undergoing adult autologous stem cell therapy for orthopaedic conditions	2016	less than 80% oak
Bae, D. K.; Ko, Y. W.; Kim, S. J.; Baek, J. H.; Song, S. J.	Computer-assisted navigation decreases the change in the tibial posterior slope angle after closed-wedge high tibial osteotomy	2016	no relevant comparison
Gersing, A. S.; Solka, M.; Joseph, G. B.; Schwaiger, B. J.; Heilmeier, U.; Feuerriegel, G.; Nevitt, M. C.; McCulloch, C. E.; Link, T. M.	Progression of cartilage degeneration and clinical symptoms in obese and overweight individuals is dependent on the amount of weight loss: 48-month data from the Osteoarthritis Initiative	2016	not specific to patients with OAK at baseline
Wood, L. R.; Blagojevic-Bucknall, M.; Stynes, S.; D'Cruz, D.; Mullis, R.; Whittle, R.; Peat, G.; Foster, N. E.	Impairment-targeted exercises for older adults with knee pain: a proof-of-principle study (TargET-Knee-Pain)	2016	less than 30 patients per group
Stanley, J. C.; Robinson, K. G.; Devitt, B. M.; Richmond, A. K.; Webster, K. E.; Whitehead, T. S.; Feller, J. A.	Computer assisted alignment of opening wedge high tibial osteotomy provides limited improvement of radiographic outcomes compared to flourosopic alignment	2016	<30 patients per group
Bae, D. K.; Park, C. H.; Kim, E. J.; Song, S. J.	Medial cortical fractures in computer-assisted closing-wedge high tibial osteotomy	2016	no relevant comparison
Reiter-Niesert, S.; Boers, M.; Detert, J.	Short-term placebo response in trials of patients with symptomatic osteoarthritis: differences between hip and knee	2016	systematic review
Elwyn, G.; Pickles, T.; Edwards, A.; Kinsey, K.; Brain, K.; Newcombe, R. G.; Firth, J.; Marrin, K.; Nye, A.; Wood, F.	Supporting shared decision making using an Option Grid for osteoarthritis of the knee in an interface musculoskeletal clinic: A stepped wedge trial	2016	no relevant patient reported outcomes are reported in the results section



Bae, D. K.; Song, S. J.; Kim, K. I.; Hur, D.; Jeong, H. Y.	Mid-term survival analysis of closed wedge high tibial osteotomy: A comparative study of computer-assisted and conventional techniques	2016	not relevant comparison
Meheux, C. J.; McCulloch, P. C.; Lintner, D. M.; Varner, K. E.; Harris, J. D.	Efficacy of Intra-articular Platelet-Rich Plasma Injections in Knee Osteoarthritis: A Systematic Review	2016	systematic review
Han, J. H.; Yang, J. H.; Bhandare, N. N.; Suh, D. W.; Lee, J. S.; Chang, Y. S.; Yeom, J. W.; Nha, K. W.	Total knee arthroplasty after failed high tibial osteotomy: a systematic review of open versus closed wedge osteotomy	2016	systematic review
Felson, D. T.; Redmond, A. C.; Chapman, G. J.; Smith, T. O.; Hamilton, D. F.; Jones, R. K.; Holt, C. A.; Callaghan, M. J.; Mason, D. J.; Arthritis Research, U. K. Osteoarthritis; Crystal Diseases Clinical Studies, Group; Conaghan, P. G.	Recommendations for the conduct of efficacy trials of treatment devices for osteoarthritis: a report from a working group of the Arthritis Research UK Osteoarthritis and Crystal Diseases Clinical Studies Group	2016	not relevant systematic review
Batsis, J. A.; Germain, C. M.; Vasquez, E.; Zbehlik, A. J.; Bartels, S. J.	Physical Activity Predicts Higher Physical Function in Older Adults: The Osteoarthritis Initiative	2016	does not test if change in bmi is associated with outcome
Knarr, B. A.; Higginson, J. S.; Zeni, J. A.	Change in knee contact force with simulated change in body weight	2016	only 3 people enrolled
Hall, M. J.; Mandalia, V. I.	Tibial tubercle osteotomy for patello-femoral joint disorders	2016	narrative review
Shani, S. D.; Sneha, L. V.; Suresh, K. P.	Effect of Agility Exercises on Knee Health Status among Patients with Osteoarthritis	2015	less than 4 week follow up
Egorova, N.; Gollub, R. L.; Kong, J.	Repeated verum but not placebo acupuncture normalizes connectivity in brain regions dysregulated in chronic pain	2015	<30 patients per group
Zeng, C.; Wei, J.; Li, H.; Wang, Y. L.; Xie, D. X.; Yang, T.; Gao, S. G.; Li, Y. S.; Luo, W.; Lei, G. H.	Effectiveness and safety of Glucosamine, chondroitin, the two in combination, or celecoxib in the treatment of osteoarthritis of the knee	2015	systematic review* References Reviewed
Batsis, J. A.; Zbehlik, A. J.; Pidgeon, D.; Bartels, S. J.	Dynapenic obesity and the effect on long-term physical function and quality of life: data from the osteoarthritis initiative	2015	not specific to patients with OAK at baseline
Buynak, R.; Rappaport, S. A.; Rod, K.; Arsenault, P.; Heisig, F.; Rauschkolb, C.; Etropolski, M.	Long-term Safety and Efficacy of Tapentadol Extended Release Following up to 2 Years of Treatment in Patients With Moderate to Severe, Chronic Pain: Results of an Open-label Extension Trial	2015	less than 80% oak

Abate, M.; Verna, S.; Schiavone, C.; Di Gregorio, P.; Salini, V.	Efficacy and safety profile of a compound composed of platelet-rich plasma and hyaluronic acid in the treatment for knee osteoarthritis (preliminary results)	2015	inadequate quality primarily due to significant baseline differences between groups that were not adjusted for
Centeno, C. J.; Al-Sayegh, H.; Bashir, J.; Goodyear, S.; Freeman, M. D.	A dose response analysis of a specific bone marrow concentrate treatment protocol for knee osteoarthritis	2015	retrospective analysis . not relevant comparison
Erbas, M.; Simsek, T.; Kiraz, H. A.; Sahin, H.; Toman, H.	Comparison of the effectivity of oral and intra-articular administration of tenoxicam in patients with knee osteoarthritis	2015	non english study
Stan, G.; Orban, H.; Orban, C.	Cost Effectiveness Analysis of Knee Osteoarthritis Treatment	2015	not relevant comparison
Tuncay, I.; Bilsel, K.; Elmadag, M.; Erkocak, O. F.; Asci, M.; Sen, C.	Evaluation of mobile bearing unicompartmental knee arthroplasty, opening wedge, and dome-type high tibial osteotomies for knee arthritis	2015	not relevant comparison
Campbell, K. A.; Saltzman, B. M.; Mascarenhas, R.; Khair, M. M.; Verma, N. N.; Bach, B. R., Jr.; Cole, B. J.	Does Intra-articular Platelet-Rich Plasma Injection Provide Clinically Superior Outcomes Compared With Other Therapies in the Treatment of Knee Osteoarthritis? A Systematic Review of Overlapping Meta-analyses	2015	systematic review
Zeng, C.; Wei, J.; Li, H.; Yang, T.; Gao, S. G.; Li, Y. S.; Xiong, Y. L.; Xiao, W. F.; Luo, W.; Yang, T. B.; Lei, G. H.	Comparison between 200 mg QD and 100 mg BID oral celecoxib in the treatment of knee or hip osteoarthritis	2015	systematic review
Campbell, K. A.; Erickson, B. J.; Saltzman, B. M.; Mascarenhas, R.; Bach, B. R., Jr.; Cole, B. J.; Verma, N. N.	Is Local Viscosupplementation Injection Clinically Superior to Other Therapies in the Treatment of Osteoarthritis of the Knee: A Systematic Review of Overlapping Meta-analyses	2015	systematic review
Tigchelaar, S.; van Essen, P.; Benard, M.; Koeter, S.; Wymenga, A.	A self-centring osteotomy of the tibial tubercle for patellar maltracking or instability: results with ten-years' follow-up	2015	less than 30 patients per group
Jung, W. H.; Takeuchi, R.; Chun, C. W.; Lee, J. S.; Jeong, J. H.	Comparison of results of medial opening-wedge high tibial osteotomy with and without subchondral drilling	2015	not relevant comparison for pico question
Bucknor, M. D.; Nardo, L.; Joseph, G. B.; Alizai, H.; Srikhum, W.; Nevitt, M. C.; Lynch, J. A.; McCulloch, C. E.; Link, T. M.	Association of cartilage degeneration with four year weight gain--3T MRI data from the Osteoarthritis Initiative	2015	no oak at baseline
Cameron, J. I.; McCauley, J. C.; Kermanshahi, A. Y.; Bugbee, W. D.	Lateral Opening-wedge Distal Femoral Osteotomy: Pain Relief, Functional Improvement, and Survivorship at 5 Years	2015	<30 patients per group
Basques, B. A.; Gardner, E. C.; Varthi, A. G.; Fu, M. C.; Bohl, D. D.; Golinvaux, N. S.; Grauer, J. N.	Risk factors for short-term adverse events and readmission after arthroscopic meniscectomy: does age matter?	2015	no control intervention group

Blackman, A. J.; Krych, A. J.; Engasser, W. M.; Levy, B. A.; Stuart, M. J.	Does proximal tibial osteotomy with a novel osteotomy system obtain coronal plane correction without affecting tibial slope and patellar height?	2015	less than 80% oak
Waddell, B. S.; Waddell, W. H.; Waddell, D. D.	Comparison of Efficacy and Tolerability of Hylan G-F 20 in Patients with and without Effusions at the Time of Initial Injection	2015	not relevant comparison to pico question
Serebrakian, A. T.; Poulos, T.; Liebl, H.; Joseph, G. B.; Lai, A.; Nevitt, M. C.; Lynch, J. A.; McCulloch, C. E.; Link, T. M.	Weight loss over 48 months is associated with reduced progression of cartilage T2 relaxation time values: data from the osteoarthritis initiative	2015	no oak at baseline
Kamimura, M.; Umehara, J.; Takahashi, A.; Aizawa, T.; Itoi, E.	Medial meniscus tear morphology and related clinical symptoms in patients with medial knee osteoarthritis	2015	no relevant treatment comparisons made
Turker, M.; Cetik, O.; Cirpar, M.; Durusoy, S.; Comert, B.	Postarthroscopy osteonecrosis of the knee	2015	insufficient data for target outcome; no PROs, etc
Centeno, C.; Pitts, J.; Al-Sayegh, H.; Freeman, M.	Efficacy of autologous bone marrow concentrate for knee osteoarthritis with and without adipose graft	2014	inadequate quality due to high attrition rates
Batsis, J. A.; Zbehlik, A. J.; Barre, L. K.; Mackenzie, T. A.; Bartels, S. J.	The impact of waist circumference on function and physical activity in older adults: longitudinal observational data from the osteoarthritis initiative	2014	does not test if change in bmi is associated with outcome
Collins, J. E.; Katz, J. N.; Dervan, E. E.; Losina, E.	Trajectories and risk profiles of pain in persons with radiographic, symptomatic knee osteoarthritis: data from the osteoarthritis initiative	2014	does not test if change in bmi is associated with outcome
McAlindon, T. E.; Bannuru, R. R.; Sullivan, M. C.; Arden, N. K.; Berenbaum, F.; Bierma-Zeinstra, S. M.; Hawker, G. A.; Henrotin, Y.; Hunter, D. J.; Kawaguchi, H.; Kwoh, K.; Lohmander, S.; Rannou, F.; Roos, E. M.; Underwood, M.	OARSI guidelines for the non-surgical management of knee osteoarthritis	2014	systematic review
Gobbi, A.; Karnatzikos, G.; Sankineani, S. R.	One-step surgery with multipotent stem cells for the treatment of large full-thickness chondral defects of the knee	2014	no relevant control group and less than 30 patients
Kim, J. D.; Lee, G. W.; Jung, G. H.; Kim, C. K.; Kim, T.; Park, J. H.; Cha, S. S.; You, Y. B.	Clinical outcome of autologous bone marrow aspirates concentrate (BMAC) injection in degenerative arthritis of the knee	2014	no relevant comparison group

Dold, A. P.; Zywiell, M. G.; Taylor, D. W.; Dwyer, T.; Theodoropoulos, J.	Platelet-rich plasma in the management of articular cartilage pathology: a systematic review	2014	systematic review
Bertin, P.; Taieb, C.	NSAID-sparing effect of glucosamine hydrochloride in patients with knee osteoarthritis: an analysis of data from a French database	2014	less than 80% oak
Preston, S.; Howard, J.; Naudie, D.; Somerville, L.; McAuley, J.	Total knee arthroplasty after high tibial osteotomy: no differences between medial and lateral osteotomy approaches	2014	study of people who underwent tka
Lee, D. H.; Han, S. B.; Oh, K. J.; Lee, J. S.; Kwon, J. H.; Kim, J. I.; Patnaik, S.; Shetty, G. M.; Nha, K. W.	The weight-bearing scanogram technique provides better coronal limb alignment than the navigation technique in open high tibial osteotomy	2014	not relevant comparison
Stanos, S. P.; Galluzzi, K. E.	Topical therapies in the management of chronic pain	2013	narrative review
Hernigou, P.; Queinnec, S.; Picard, L.; Guissou, I.; Naanaa, T.; Duffiet, P.; Julian, D.; Archer, V.	Safety of a novel high tibial osteotomy locked plate fixation for immediate full weight-bearing: a case-control study	2013	not relevant comparison
Galizia, G.; Abete, P.; Testa, G.; Vecchio, A.; Corra, T.; Nardone, A.	Counteracting effect of supine leg resistance exercise on systolic orthostatic hypotension in older adults	2013	unclear if patient population was 80% knee OA
Takeda, R.; Koike, T.; Taniguchi, I.; Tanaka, K.	Double-blind placebo-controlled trial of hydroxytyrosol of Olea europaea on pain in gonarthrosis	2013	< 30 pts per group; n1 = 12, n2 = 13
Klinge, S. A.; Sawyer, G. A.	Effectiveness and safety of topical versus oral nonsteroidal anti-inflammatory drugs: a comprehensive review	2013	systematic review* References Reviewed
Laba, T. L.; Brien, J. A.; Fransen, M.; Jan, S.	Patient preferences for adherence to treatment for osteoarthritis: the MEDication Decisions in Osteoarthritis Study (MEDOS)	2013	pico not answered: no intervention outcomes
Fu, D.; Li, G.; Chen, K.; Zhao, Y.; Hua, Y.; Cai, Z.	Comparison of high tibial osteotomy and unicompartmental knee arthroplasty in the treatment of unicompartmental osteoarthritis: a meta-analysis	2013	systematic review
Shull, P. B.; Silder, A.; Shultz, R.; Dragoo, J. L.; Besier, T. F.; Delp, S. L.; Cutkosky, M. R.	Six-week gait retraining program reduces knee adduction moment, reduces pain, and improves function for individuals with medial compartment knee osteoarthritis	2013	<30 patients per group
Smelter, E.; Hochberg, M. C.	New treatments for osteoarthritis	2013	narrative review
Vincent, H. K.; Montero, C.; Conrad, B. P.; Horodyski, M.; Connelly, J.; Martenson, M.; Seay, A. N.; Vincent, K. R.	"Functional pain," functional outcomes, and quality of life after hyaluronic acid intra-articular injection for knee osteoarthritis	2013	<30 patients per group

Trinh, T. Q.; Harris, J. D.; Siston, R. A.; Flanigan, D. C.	Improved outcomes with combined autologous chondrocyte implantation and patellofemoral osteotomy versus isolated autologous chondrocyte implantation	2013	systematic review
Zhang, S. L.; Liu, H. Q.; Xu, X. Z.; Zhi, J.; Geng, J. J.; Chen, J.	Effects of exercise therapy on knee joint function and synovial fluid cytokine levels in patients with knee osteoarthritis	2013	unclear if the patient reported outcome measures that were used were validated
Carbone, L. D.; Satterfield, S.; Liu, C.; Kwoh, K. C.; Neogi, T.; Tolley, E.; Nevitt, M.; Health, A. B. C. Study	Assistive walking device use and knee osteoarthritis: results from the Health, Aging and Body Composition Study (Health ABC Study)	2013	not an intervention study
Colbert, C. J.; Almagor, O.; Chmiel, J. S.; Song, J.; Dunlop, D.; Hayes, K. W.; Sharma, L.	Excess body weight and four-year function outcomes: comparison of African Americans and whites in a prospective study of osteoarthritis	2013	not specific to patients with OAK at baseline
Reising, K.; Strohm, P. C.; Hauschild, O.; Schmal, H.; Khattab, M.; Sudkamp, N. P.; Niemeier, P.	Computer-assisted navigation for the intraoperative assessment of lower limb alignment in high tibial osteotomy can avoid outliers compared with the conventional technique	2013	not relevant comparison
Elmali, N.; Esenkaya, I.; Can, M.; Karakaplan, M.	Monoplanar versus biplanar medial open-wedge proximal tibial osteotomy for varus gonarthrosis: a comparison of clinical and radiological outcomes	2013	no relevant comparison
Riddle, D. L.; Stratford, P. W.	Body weight changes and corresponding changes in pain and function in persons with symptomatic knee osteoarthritis: a cohort study	2013	does not test if change in bmi is associated with outcome
Spahn, G.; Hofmann, G. O.; von Engelhardt, L. V.; Li, M.; Neubauer, H.; Klinger, H. M.	The impact of a high tibial valgus osteotomy and unicondylar medial arthroplasty on the treatment for knee osteoarthritis: a meta-analysis	2013	systematic review
Getgood, A.; Collins, B.; Slynarski, K.; Kurowska, E.; Parker, D.; Engebretsen, L.; MacDonald, P. B.; Litchfield, R.	Short-term safety and efficacy of a novel high tibial osteotomy system: a case controlled study	2013	no relevant comparison
Pornrattananeewong, C.; Harnroongroj, T.; Chareancholvanich, K.	Loss of correction after medial opening wedge high tibial osteotomy: a comparison of locking plates without bone grafts and non-locking compression plates with bone grafts	2012	no relevant comparison
Skou, S. T.; Odgaard, A.; Rasmussen, J. O.; Roos, E. M.	Group education and exercise is feasible in knee and hip osteoarthritis	2012	case series
Hagen, K. B.; Dagfinrud, H.; Moe, R. H.; Osteras, N.; Kjekken, I.; Grotle, M.; Smedslund, G.	Exercise therapy for bone and muscle health: an overview of systematic reviews	2012	systematic review

Miyazaki, T.; Uchida, K.; Sato, M.; Watanabe, S.; Yoshida, A.; Wada, M.; Shimada, S.; Kuiper, J. H.; Baba, H.	Knee laxity after staircase exercise predicts radiographic disease progression in medial compartment knee osteoarthritis	2012	does not test if change in bmi is associated with outcome
Laufer, Y.; Dar, G.	Effectiveness of thermal and athermal short-wave diathermy for the management of knee osteoarthritis: a systematic review and meta-analysis	2012	systematic review; bib reviewed
Sherman, A. L.; Ojeda-Correal, G.; Mena, J.	Use of glucosamine and chondroitin in persons with osteoarthritis	2012	narrative review
Sridhar, M. S.; Jarrett, C. D.; Xerogeanes, J. W.; Labib, S. A.	Obesity and symptomatic osteoarthritis of the knee	2012	narrative review
Reid, M. C.; Shengelia, R.; Parker, S. J.	Pharmacologic management of osteoarthritis-related pain in older adults	2012	systematic review
Plosker, G. L.; Lyseng-Williamson, K. A.	Buprenorphine 5, 10 and 20 mug/h transdermal patch: a guide to its use in chronic non-malignant pain	2012	narrative review
Ducat, A.; Sariali, E.; Lebel, B.; Mertl, P.; Hernigou, P.; Flecher, X.; Zayni, R.; Bonnin, M.; Jalil, R.; Amzallag, J.; Rosset, P.; Servien, E.; Gaudot, F.; Judet, T.; Catonne, Y.	Posterior tibial slope changes after opening- and closing-wedge high tibial osteotomy: a comparative prospective multicenter study	2012	no patient oriented outcomes
Hurley, S. T.; Hatfield Murdock, G. L.; Stanish, W. D.; Hubley-Kozey, C. L.	Is there a dose response for valgus unloader brace usage on knee pain, function, and muscle strength?	2012	less than 30 patients
Filardo, G.; Kon, E.; Pereira Ruiz, M. T.; Vaccaro, F.; Guitaldi, R.; Di Martino, A.; Cenacchi, A.; Fornasari, P. M.; Marcacci, M.	Platelet-rich plasma intra-articular injections for cartilage degeneration and osteoarthritis: single- versus double-spinning approach	2012	not relevant comparison to pico question
Feinglass, J.; Song, J.; Semanik, P.; Lee, J.; Manheim, L.; Dunlop, D.; Chang, R. W.	Association of functional status with changes in physical activity: insights from a behavioral intervention for participants with arthritis	2012	less than 80% oak
Nicholls, A. S.; Kiran, A.; Javaid, M. K.; Hart, D. J.; Spector, T. D.; Carr, A. J.; Arden, N. K.	Change in body mass index during middle age affects risk of total knee arthroplasty due to osteoarthritis: a 19-year prospective study of 1003 women	2012	cohort didn't have oak at baseline
Han, S. B.; Choi, J. H.; Mahajan, A.; Shin, Y. S.	Incidence and Predictors of Lateral Hinge Fractures Following Medial Opening-Wedge High Tibial Osteotomy Using Locking Plate System: Better Performance of Computed Tomography Scans	2019	no relevant comparison

Sundaram, K.; Vargas-Hernandez, J. S.; Sanchez, T. R.; Moreu, N. M.; Mont, M. A.; Higuera, C. A.; PiuZZi, N. S.	Are Subchondral Intraosseous Injections Effective and Safe for the Treatment of Knee Osteoarthritis? A Systematic Review	2019	systematic review
Massari, L.; Benazzo, F.; Falez, F.; Perugia, D.; Pietrogrande, L.; Setti, S.; Osti, R.; Vaienti, E.; Ruosi, C.; Cadossi, R.	Biophysical stimulation of bone and cartilage: state of the art and future perspectives	2019	not relevant narrative review
Delanois, R. E.; Etcheson, J. I.; Sodhi, N.; Henn, R. F., 3rd; Gwam, C. U.; George, N. E.; Mont, M. A.	Biologic Therapies for the Treatment of Knee Osteoarthritis	2018	systematic review* References Reviewed
Lee, S. W.; Patel, J.; Kim, S. Y.; Miranda-Comas, G.; Herrera, J.; Bartels, M. N.	Use of Opioid Analgesics in Patients with Chronic Low Back Pain and Knee Osteoarthritis	2018	not relevant. compares to healthy controls
Grunwald, L.; Angele, P.; Schroter, S.; Dickschas, J.; Harrer, J.; Hinterwimmer, S.; Feucht, M. J.; Preiss, A.; Minzlaff, P.; Saier, T.	Patients' expectations of osteotomies around the knee are high regarding activities of daily living	2018	not relevant to pico. examined preoperative outcomes and disease states
Alcerro, J. C.; Lavernia, C. J.	Stem Cells and Platelet-rich Plasma for Knee Osteoarthritis: Prevalence and Cost in South Florida	2018	not a full economic evaluation. only costs evaluated without efficacy
Chirichella, P. S.; Jow, S.; Iacono, S.; Wey, H. E.; Malanga, G. A.	Treatment of Knee Meniscus Pathology: Rehabilitation, Surgery, and Orthobiologics	2018	narrative review
PiuZZi, N. S.; Ng, M.; Kantor, A.; Ng, K.; Kha, S.; Mont, M. A.; Muschler, G. F.	What Is the Price and Claimed Efficacy of Platelet-Rich Plasma Injections for the Treatment of Knee Osteoarthritis in the United States?	2018	not a full economic evaluation. efficacy portion only looks at precieved efficacy by the health care workers who admister the treatment
Nha, K. W.; Oh, S. M.; Ha, Y. W.; Patel, M. K.; Seo, J. H.; Lee, B. H.	Radiological grading of osteoarthritis on Rosenberg view has a significant correlation with clinical outcomes after medial open-wedge high-tibial osteotomy	2018	no relevant comparison
Besselink, N. J.; Vincken, K. L.; Bartels, L. W.; van Heerwaarden, R. J.; Concepcion, A. N.; Marijnissen, A. C. A.; Spruijt, S.; Custers, R. J. H.; van der Woude, J. A. D.; Wiegant, K.; Welsing, P. M. J.; Mastbergen, S. C.; Lafeber, Fpjj	Cartilage Quality (dGEMRIC Index) Following Knee Joint Distraction or High Tibial Osteotomy	2018	not revant comparison

Ong, K. L.; Runa, M.; Lau, E.; Altman, R.	Is Intra-Articular Injection of Synvisc Associated with a Delay to Knee Arthroplasty in Patients with Knee Osteoarthritis?	2018	only includes knee arthroplasty patients
Saengnipanthkul, S.; Waikakul, S.; Rojanasthien, S.; Totemchokchayakarn, K.; Srinkapaibulaya, A.; Cheh Chin, T.; Mai Hong, N.; Bruyere, O.; Cooper, C.; Reginster, J. Y.; Lwin, M.	Differentiation of patented crystalline glucosamine sulfate from other glucosamine preparations will optimize osteoarthritis treatment	2017	narrative review
Langer, M. D.; Levine, V.; Taggart, R.; Lewis, G. K.; Hernandez, L.; Ortiz, R.	Pilot Clinical Studies of Long Duration, Low Intensity Therapeutic Ultrasound for Osteoarthritis	2014	summary of 2 studies with less than 30 patients
Leeds, A. R.	Formula food-reducing diets:A new evidence-based addition to the weight management tool box	2014	narrative review
Kaulback, K.; Jones, S.; Wells, C.; Felipe, E.	(untitled)	2017	systematic review
Institute for, Quality; Efficiency in Health, Care	(untitled)	2014	executive summary of a review. no bibliography in document
Anonymous,	(untitled)	2014	systematic review
National Clinical Guideline, Centre	(untitled)	2014	systematic review
Brasure, M.; Shamliyan, T. A.; Olson-Kellogg, B.; Butler, M. E.; Kane, R. L.	(untitled)	2013	systematic review
Jayaram, P.; Ikpeama, U.; Rothenberg, J. B.; Malanga, G. A.	Bone Marrow-Derived and Adipose-Derived Mesenchymal Stem Cell Therapy in Primary Knee Osteoarthritis: A Narrative Review	2019	narrative review
Taihi, I.; Nassif, A.; Isaac, J.; Fournier, B. P.; Ferre, F.	Head to Knee: Cranial Neural Crest-Derived Cells as Promising Candidates for Human Cartilage Repair	2019	
Dai, A. Z.; Breite, J.; Pham, H.; Pickell, M.; Kramarchuk, M.; Vaca, E.; Strauss, E. J.	Adipose-to-muscle area ratio at the knee is superior to BMI in predicting post-operative outcome following arthroscopic meniscectomy	2019	no control intervention group
Keenan, O. J. F.; Clement, N. D.; Nutton, R.; Keating, J. F.	Older age and female gender are independent predictors of early conversion to total knee arthroplasty after high tibial osteotomy	2019	no relevant comparison
Chu, I. J. H.; Lim, A. Y. T.; Ng, C. L. W.	Effects of meaningful weight loss beyond symptomatic relief in adults with knee osteoarthritis and obesity: a systematic review and meta-analysis	2018	systematic review



McKay, J.; Frantzen, K.; Vercruyssen, N.; Hafsi, K.; Opitz, T.; Davis, A.; Murrell, W.	Rehabilitation following regenerative medicine treatment for knee osteoarthritis-current concept review	2019	systematic review
Marenah, M.; Li, J.; Kumar, A.; Murrell, W.	Quality assurance and adverse event management in regenerative medicine for knee osteoarthritis: Current concepts	2019	narrative review
Vitale, N. D.; Vandenbulcke, F.; Chisari, E.; Iacono, F.; Lovato, L.; Di Matteo, B.; Kon, E.	Innovative regenerative medicine in the management of knee OA: The role of Autologous Protein Solution	2019	narrative review
Lee, P. Y.; Winfield, T. G.; Harris, S. R.; Storey, E.; Chandratreya, A.	Unloading knee brace is a cost-effective method to bridge and delay surgery in unicompartmental knee arthritis	2016	not relevant to picos. compares brace to TKA
Rodriguez-Merchan, E. C.; Valentino, L. A.	Joint lavage followed by intra-articular injection of hyaluronic acid and/or corticosteroids in patients with severe hemophilic arthropathy of the knee: Is this intervention really effective?	2018	narrative review
Rishi, L.; Bhandari, M.; Kumar, R.	Can bariatric surgery delay the need for knee replacement in morbidly obese osteoarthritis patients	2018	inadequate quality due to no adjustment for potential confounding
Kirihara, R. A.; Catelan, F. B.; Farias, F. E. S.; Silva, Cacd; Cernigoy, C. H. A.; Rezende, M. U.	Intensity, Duration and Type of Physical Activity Required to Improve Function in Knee Osteoarthritis	2017	aetiological analysis that correlates self selected physical activity with outcomes. not really an intervention study
Dasa, V.; DeKoven, M.; Sun, K.; Scott, A.; Lim, S.	Clinical and cost outcomes from different hyaluronic acid treatments in patients with knee osteoarthritis: evidence from a US health plan claims database	2016	not a full economic evaluation
Gwynne-Jones, D. P.; Gray, A. R.; Hutton, L. R.; Stout, K. M.; Abbott, J. H.	Outcomes and Factors Influencing Response to an Individualized Multidisciplinary Chronic Disease Management Program for Hip and Knee Osteoarthritis	2018	no relevant comparison group
Afzali, T.; Fangel, M. V.; Vestergaard, A. S.; Rathleff, M. S.; Ehlers, L. H.; Jensen, M. B.	Cost-effectiveness of treatments for non-osteoarthritic knee pain conditions: A systematic review	2018	systematic review
Hadley, C. J.; Shi, W. J.; Murphy, H.; Tjoumakaris, F. P.; Salvo, J. P.; Freedman, K. B.	The Clinical Evidence Behind Biologic Therapies Promoted at Annual Orthopaedic Meetings: A Systematic Review	2019	systematic review* References Reviewed
Bartholdy, C.; Nielsen, S. M.; Warming, S.; Hunter, D. J.; Christensen, R.; Henriksen, M.	Poor replicability of recommended exercise interventions for knee osteoarthritis: a descriptive analysis of evidence informing current guidelines and recommendations	2019	systematic review

Stetson, W. B.; Morgan, S. A.; Hung, N. J.; Polinsky, S.	Knee Arthroscopy: A Diagnostic and Therapeutic Tool for Management of Ochronotic Arthropathy	2018	narrative review
O'Leary, H.; Smart, K. M.; Moloney, N. A.; Blake, C.; Doody, C. M.	Pain sensitization associated with nonresponse after physiotherapy in people with knee osteoarthritis	2018	no relevant comparison group
Hannon, C. P.; Yanke, A. B.; Farr, J.	Amniotic Tissue Modulation of Knee Pain-A Focus on Osteoarthritis	2019	narrative review
Dadabo, J.; Fram, J.; Jayabalan, P.	Noninterventional Therapies for the Management of Knee Osteoarthritis	2019	narrative review
Southworth, T. M.; Naveen, N. B.; Tauro, T. M.; Leong, N. L.; Cole, B. J.	The Use of Platelet-Rich Plasma in Symptomatic Knee Osteoarthritis	2019	narrative review
Oladeji, L. O.; Cook, J. L.	Cooled Radio Frequency Ablation for the Treatment of Osteoarthritis-Related Knee Pain: Evidence, Indications, and Outcomes	2019	review
Hurley, E. T.; Yasui, Y.; Gianakos, A. L.; Seow, D.; Shimozone, Y.; Kerkhoffs, Gmmj; Kennedy, J. G.	Limited evidence for adipose-derived stem cell therapy on the treatment of osteoarthritis	2018	systematic review* References Reviewed
Rodriguez-Merchan, E. C.; De La Corte-Rodriguez, H.	The role of orthoses in knee osteoarthritis	2019	systematic review* References Reviewed
Chen, J.; Liu, X. X.	Tackling Osteoarthritic Knee Pain with Electroacupuncture	2018	narrative review
Wellsandt, E.; Golightly, Y.	Exercise in the management of knee and hip osteoarthritis	2018	systematic review
Zhao, L.; Kaye, A. D.; Abd-Elseyed, A.	Stem Cells for the Treatment of Knee Osteoarthritis: A Comprehensive Review	2018	systematic review* References Reviewed
Liu, Q.; Niu, J.; Li, H.; Ke, Y.; Li, R.; Zhang, Y.; Lin, J.	Knee Symptomatic Osteoarthritis, Walking Disability, NSAIDs Use and All-cause Mortality: Population-based Wuchuan Osteoarthritis Study	2017	not relevant. evaluates oa as a risk factor for mortality
Chughtai, M.; Newman, J. M.; Akil, S.; Khlopas, A.; Sultan, A. A.; Sodhi, N.; Bhave, A.; Harwin, S. F.; Mont, M. A.	Knee Pain and the Use of Various Types of Footwear-A Review	2018	systematic review
Chen, S. X.; Bomfim, F. A.; Youn, H. A.; Ren-Fielding, C.; Samuels, J.	Predictors of the effect of bariatric surgery on knee osteoarthritis pain	2018	Irrelevant Topic: Bariatric Surgery
Bolzetta, F.; Stubbs, B.; Noale, M.; Vaona, A.; Demurtas, J.; Celotto, S.; Cester, A.; Maggi, S.; Koyanagi, A.; Cereda, E.; Veronese, N.	Low-dose vitamin D supplementation and incident frailty in older people: An eight year longitudinal study	2018	not specific to patients with OAK at baseline

Kobsar, D.; Ferber, R.	Wearable Sensor Data to Track Subject-Specific Movement Patterns Related to Clinical Outcomes Using a Machine Learning Approach	2018	less than 30 patients
Xing, D.; Wang, Q.; Yang, Z.; Hou, Y.; Zhang, W.; Chen, Y.; Lin, J.	Mesenchymal stem cells injections for knee osteoarthritis: a systematic overview	2018	systematic review
Moatshe, G.; Morris, E. R.; Cinque, M. E.; Pascual-Garrido, C.; Chahla, J.; Engebretsen, L.; Laprade, R. F.	Biological treatment of the knee with platelet-rich plasma or bone marrow aspirate concentrates	2017	narrative review
Siemieniuk, R. A. C.; Harris, I. A.; Agoritsas, T.; Poolman, R. W.; Brignardello-Petersen, R.; Van de Velde, S.; Buchbinder, R.; Englund, M.; Lytvyn, L.; Quinlan, C.; Helsingen, L.; Knutsen, G.; Olsen, N. R.; Macdonald, H.; Hailey, L.; Wilson, H. M.; Lydiatt, A.; Kristiansen, A.	Arthroscopic surgery for degenerative knee arthritis and meniscal tears: a clinical practice guideline	2017	systematic review* References Reviewed
Maricar, N.; Parkes, M. J.; Callaghan, M. J.; Felson, D. T.; O'Neill, T. W.	Where and how to inject the knee--a systematic review	2013	systematic review
Dunlop, D. D.; Song, J.; Lee, J.; Gilbert, A. L.; Semanik, P. A.; Ehrlich-Jones, L.; Pellegrini, C. A.; Pinto, D.; Ainsworth, B.; Chang, R. W.	Physical Activity Minimum Threshold Predicting Improved Function in Adults With Lower-Extremity Symptoms	2017	not an intervention study
Forestier, R.; Erol Forestier, F. B.; Francon, A.	Spa therapy and knee osteoarthritis: A systematic review	2016	systematic review* References Reviewed
Han, Y. H.; Huang, H. T.; Pan, J. K.; Lin, J. T.; Zeng, L. F.; Liang, G. H.; Yang, W. Y.; Liu, J.	Comparison of platelet-rich plasma vs hyaluronic acid injections in patients with knee osteoarthritis: A protocol for a systematic review and meta-analysis	2018	systematic review
Rodriguez-Merchan, E. C.	Topical therapies for knee osteoarthritis	2018	systematic review
Rodriguez-Merchan, E. C.	Intra-articular injections of fat-derived mesenchymal stem cells in knee osteoarthritis: are they recommended?	2018	systematic review
Trad, Z.; Barkaoui, A.; Chafra, M.; Tavares, J. M. R.	Finite element analysis of the effect of high tibial osteotomy correction angle on articular cartilage loading	2018	no patient oriented outcomes
Hamdi, A.; Albaghdadi, A. T.; Ghalimah, B.; Alnowiser, A.; Ahmad, A.; Altaf, A.	Bariatric surgery improves knee function and not knee pain in the early postoperative period	2018	excluded OA patients

Lopez-Gomez, J. J.; Izaola-Jauregui, O.; Torres-Torres, B.; Gomez-Hoyos, E.; Castro Lozano, M. A.; Ortola-Buigues, A.; Martin Ferrero, M. A.; De Luis-Roman, D. A.	Influence of a meal-replacement diet on quality of life in women with obesity and knee osteoarthritis before orthopedic surgery	2018	included patients scheduled for surgery, possibly including arthroplasty. it is unclear if the follow up evaluation occurred before or after the surgery was performed
Calvet, J.; Orellana, C.; Galisteo, C.; Garcia-Manrique, M.; Navarro, N.; Caixas, A.; Larrosa, M.; Gratacos, J.	Clinical and ultrasonographic features associated to response to intraarticular corticosteroid injection. A one year follow up prospective cohort study in knee osteoarthritis patient with joint effusion	2018	prognostic instead of intervention study
Webb, M.; Dewan, V.; Elson, D.	Functional results following high tibial osteotomy: a review of the literature	2018	systematic review
Meng, Z.; Huang, R.	Topical Treatment of Degenerative Knee Osteoarthritis	2018	systematic review*
Rafanan, B. S., Jr.; Valdecanas, B. F.; Lim, B. P.; Malairungsakul, A.; Tassanawipas, W.; Shiyi, C.; Tse, L. F.; Luong, T. K.	Consensus recommendations for managing osteoarthritic pain with topical NSAIDs in Asia-Pacific	2018	systematic review
Gu, X.; Li, C.; Yin, F.; Yang, G.	Adipose-derived stem cells in articular cartilage regeneration: current concepts and optimization strategies	2018	narrative review
Eijgenraam, S. M.; Reijman, M.; Bierma-Zeinstra, S. M. A.; van Yperen, D. T.; Meuffels, D. E.	Can we predict the clinical outcome of arthroscopic partial meniscectomy? A systematic review	2018	systematic review
Piuzzi, N. S.; Khlopas, A.; Newman, J. M.; Ng, M.; Roche, M.; Husni, M. E.; Spindler, K. P.; Mont, M. A.; Muschler, G.	Bone Marrow Cellular Therapies: Novel Therapy for Knee Osteoarthritis	2018	narrative review
Iwasa, K.; Reddi, A. H.	Pulsed Electromagnetic Fields and Tissue Engineering of the Joints	2018	narrative review
Piuzzi, N. S.; Ng, M.; Chughtai, M.; Khlopas, A.; Ng, K.; Mont, M. A.; Muschler, G. F.	The Stem-Cell Market for the Treatment of Knee Osteoarthritis: A Patient Perspective	2018	not a full economic evaluation. efficacy portion only looks at perceived efficacy by the providers who administer the treatment
Miletic, I.; Agten, C.; Sutter, R.; Pfirrmann, C.; Peterson, C.	Relationship of Radiographic Osteoarthritis Severity with Treatment Outcomes after Imaging-Guided Knee Injections: A Prospective Outcomes Study	2018	not relevant to intervention pico question. is more of a prognostic study

Saltzman, B. M.; Rao, A.; Erickson, B. J.; Cvetanovich, G. L.; Levy, D.; Bach, B. R., Jr.; Cole, B. J.	A Systematic Review of 21 Tibial Tubercle Osteotomy Studies and More Than 1000 Knees: Indications, Clinical Outcomes, Complications, and Reoperations	2017	systematic review
Matzkin, E. G.; Curry, E. J.; Kong, Q.; Rogers, M. J.; Henry, M.; Smith, E. L.	Efficacy and Treatment Response of Intra-articular Corticosteroid Injections in Patients With Symptomatic Knee Osteoarthritis	2017	no control intervention group
Birmingham, T. B.; Moyer, R.; Leitch, K.; Chesworth, B.; Bryant, D.; Willits, K.; Litchfield, R.; Fowler, P. J.; Giffin, J. R.	Changes in biomechanical risk factors for knee osteoarthritis and their association with 5-year clinically important improvement after limb realignment surgery	2017	compared to healthy controls
White, D. K.; Lee, J.; Song, J.; Chang, R. W.; Dunlop, D.	Potential Functional Benefit From Light Intensity Physical Activity in Knee Osteoarthritis	2017	not an intervention study
Shi, W. J.; Tjoumakaris, F. P.; Lendner, M.; Freedman, K. B.	Biologic injections for osteoarthritis and articular cartilage damage: can we modify disease?	2017	systematic review* References Reviewed
Mohd Sharif, N. A.; Goh, S. L.; Usman, J.; Wan Safwani, W. K. Z.	Biomechanical and functional efficacy of knee sleeves: A literature review	2017	systematic review* References Reviewed
Lee, Y. S.; Teo, S. H.; Ahn, J. H.; Lee, O. S.; Lee, S. H.; Lee, J. H.	Systematic Review of the Long-term Surgical Outcomes of Discoid Lateral Meniscus	2017	systematic review
Liu, S. H.; Dube, C. E.; Driban, J. B.; McAlindon, T. E.; Eaton, C. B.; Lapane, K. L.	Patterns of intra-articular injection use after initiation of treatment in patients with knee osteoarthritis: data from the osteoarthritis initiative	2017	not relevant examines use patterns of injections
Lee, S. H.; Lee, O. S.; Teo, S. H.; Lee, Y. S.	Change in gait after high tibial osteotomy: A systematic review and meta-analysis	2017	systematic review
Herzog, M. M.; Driban, J. B.; Cattano, N. M.; Cameron, K. L.; Tourville, T. W.; Marshall, S. W.; Pietrosimone, B.	Risk of Knee Osteoarthritis Over 24 Months in Individuals Who Decrease Walking Speed During a 12-Month Period: Data from the Osteoarthritis Initiative	2017	patients did not have oak at baseline
Dai, Z.; Niu, J.; Zhang, Y.; Jacques, P.; Felson, D. T.	Dietary intake of fibre and risk of knee osteoarthritis in two US prospective cohorts	2017	lack of inclusion criteria to determine if the knee pain worsening was limited to people with oak at baseline (i.e. the progression cohort of OAI)
Franco, M. R.; Morelhao, P. K.; de Carvalho, A.; Pinto, R. Z.	Aquatic Exercise for the Treatment of Hip and Knee Osteoarthritis	2017	systematic review

Hoorntje, A.; Witjes, S.; Kuijer, Ppfm; Koenraadt, K. L. M.; van Geenen, R. C. I.; Daams, J. G.; Getgood, A.; Kerkhoffs, Gmmj	High Rates of Return to Sports Activities and Work After Osteotomies Around the Knee: A Systematic Review and Meta-Analysis	2017	systematic review
Veronese, N.; Stubbs, B.; Noale, M.; Solmi, M.; Pilotto, A.; Vaona, A.; Demurtas, J.; Mueller, C.; Huntley, J.; Crepaldi, G.; Maggi, S.	Polypharmacy Is Associated With Higher Frailty Risk in Older People: An 8-Year Longitudinal Cohort Study	2017	not specific to patients with OAK at baseline
Birch, S.; Lee, M. S.; Robinson, N.; Alraek, T.	The U.K. NICE 2014 Guidelines for Osteoarthritis of the Knee: Lessons Learned in a Narrative Review Addressing Inadvertent Limitations and Bias	2017	narrative review
Hassan, F.; Trebinjac, S.; Murrell, W. D.; Maffulli, N.	The effectiveness of prolotherapy in treating knee osteoarthritis in adults: a systematic review	2017	systematic review* References Reviewed
Cancienne, J. M.; Mahon, H. S.; Dempsey, I. J.; Miller, M. D.; Werner, B. C.	Patient-related risk factors for infection following knee arthroscopy: An analysis of over 700,000 patients from two large databases	2017	no relevant comparison
Brisson, N. M.; Wiebenga, E. G.; Stratford, P. W.; Beattie, K. A.; Totterman, S.; Tamez-Pena, J. G.; Callaghan, J. P.; Adachi, J. D.; Maly, M. R.	Baseline knee adduction moment interacts with body mass index to predict loss of medial tibial cartilage volume over 2.5 years in knee Osteoarthritis	2017	does not test if change in bmi is associated with outcome
Kim, K. I.; Seo, M. C.; Song, S. J.; Bae, D. K.; Kim, D. H.; Lee, S. H.	Change of Chondral Lesions and Predictive Factors After Medial Open-Wedge High Tibial Osteotomy With a Locked Plate System	2017	no relevant comparison
He, Z.; Wang, B.; Hu, C.; Zhao, J.	An overview of hydrogel-based intra-articular drug delivery for the treatment of osteoarthritis	2017	narrative review
Hughes, L.; Paton, B.; Rosenblatt, B.; Gissane, C.; Patterson, S. D.	Blood flow restriction training in clinical musculoskeletal rehabilitation: a systematic review and meta-analysis	2017	systematic review
Wang, X.; Wei, L.; Lv, Z.; Zhao, B.; Duan, Z.; Wu, W.; Zhang, B.; Wei, X.	Proximal fibular osteotomy: a new surgery for pain relief and improvement of joint function in patients with knee osteoarthritis	2017	case series
Bedard, N. A.; Dowdle, S. B.; Anthony, C. A.; DeMik, D. E.; McHugh, M. A.; Bozic, K. J.; Callaghan, J. J.	The AAHKS Clinical Research Award: What Are the Costs of Knee Osteoarthritis in the Year Prior to Total Knee Arthroplasty?	2017	not a full economic evaluation

<p>Brosseau, L.; Taki, J.; Desjardins, B.; Thevenot, O.; Fransen, M.; Wells, G. A.; Mizusaki Imoto, A.; Toupin-April, K.; Westby, M.; Alvarez Gallardo, I. C.; Gifford, W.; Laferriere, L.; Rahman, P.; Loew, L.; De Angelis, G.; Cavallo, S.; Shallwani, S. M.; Aburub, A.; Bennell, K. L.; Van der Esch, M.; Simic, M.; McConnell, S.; Harmer, A.; Kenny, G. P.; Paterson, G.; Regnaud, J. P.; Lefevre-Colau, M. M.; McLean, L.</p>	<p>The Ottawa panel clinical practice guidelines for the management of knee osteoarthritis. Part two: strengthening exercise programs</p>	<p>2017</p>	<p>systematic review* References Reviewed</p>
<p>Brosseau, L.; Taki, J.; Desjardins, B.; Thevenot, O.; Fransen, M.; Wells, G. A.; Mizusaki Imoto, A.; Toupin-April, K.; Westby, M.; Alvarez Gallardo, I. C.; Gifford, W.; Laferriere, L.; Rahman, P.; Loew, L.; De Angelis, G.; Cavallo, S.; Shallwani, S. M.; Aburub, A.; Bennell, K. L.; Van der Esch, M.; Simic, M.; McConnell, S.; Harmer, A.; Kenny, G. P.; Paterson, G.; Regnaud, J. P.; Lefevre-Colau, M. M.; McLean, L.</p>	<p>The Ottawa panel clinical practice guidelines for the management of knee osteoarthritis. Part three: aerobic exercise programs</p>	<p>2017</p>	<p>systematic review</p>
<p>Brosseau, L.; Taki, J.; Desjardins, B.; Thevenot, O.; Fransen, M.; Wells, G. A.; Imoto, A. M.; Toupin-April, K.; Westby, M.; Gallardo, I. C. A.; Gifford, W.; Laferriere, L.; Rahman, P.; Loew, L.; Angelis, G.; Cavallo, S.; Shallwani, S. M.; Aburub, A.; Bennell, K. L.; Van der Esch, M.; Simic, M.; McConnell, S.; Harmer, A.; Kenny, G. P.; Paterson, G.; Regnaud, J. P.; Lefevre-Colau, M. M.; McLean, L.</p>	<p>The Ottawa panel clinical practice guidelines for the management of knee osteoarthritis. Part one: introduction, and mind-body exercise programs</p>	<p>2017</p>	<p>systematic review</p>
<p>Ekeland, A.; Nerhus, T. K.; Dimmen, S.; Thornes, E.; Heir, S.</p>	<p>Good functional results following high tibial opening-wedge osteotomy of knees with medial osteoarthritis: A prospective study with a mean of 8.3years of follow-up</p>	<p>2017</p>	<p>no relevant comparison</p>

Salamh, P.; Cook, C.; Reiman, M. P.; Sheets, C.	Treatment effectiveness and fidelity of manual therapy to the knee: A systematic review and meta-analysis	2017	systematic review
Kahlenberg, C. A.; Nwachukwu, B. U.; Hamid, K. S.; Steinhaus, M. E.; Williams, R. J., 3rd	Analysis of Outcomes for High Tibial Osteotomies Performed With Cartilage Restoration Techniques	2017	systematic review
Ondresik, M.; Azevedo Maia, F. R.; da Silva Morais, A.; Gertrudes, A. C.; Dias Bacelar, A. H.; Correia, C.; Goncalves, C.; Radhouani, H.; Amandi Sousa, R.; Oliveira, J. M.; Reis, R. L.	Management of knee osteoarthritis. Current status and future trends	2017	narrative review
Sun, H.; Zhou, L.; Li, F.; Duan, J.	Comparison between Closing-Wedge and Opening-Wedge High Tibial Osteotomy in Patients with Medial Knee Osteoarthritis: A Systematic Review and Meta-analysis	2017	systematic review* References Reviewed
Kumagai, K.; Akamatsu, Y.; Kobayashi, H.; Kusayama, Y.; Koshino, T.; Saito, T.	Factors affecting cartilage repair after medial opening-wedge high tibial osteotomy	2017	no relevant comparison
Mundy, L.	Platelet-rich plasma: a case study for the identification of disinvestment opportunities using horizon scanning	2017	systematic review
Han, J. H.; Kim, H. J.; Song, J. G.; Yang, J. H.; Nakamura, R.; Shah, D.; Park, Y. J.; Nha, K. W.	Locking plate versus non-locking plate in open-wedge high tibial osteotomy: a meta-analysis	2017	systematic review
Khoshbin, A.; Sheth, U.; Ogilvie-Harris, D.; Mahomed, N.; Jenkinson, R.; Gandhi, R.; Wasserstein, D.	The effect of patient, provider and surgical factors on survivorship of high tibial osteotomy to total knee arthroplasty: a population-based study	2017	no relevant comparison
Smith, W. B., 2nd; Steinberg, J.; Scholtes, S.; McNamara, I. R.	Medial compartment knee osteoarthritis: age-stratified cost-effectiveness of total knee arthroplasty, unicompartmental knee arthroplasty, and high tibial osteotomy	2017	systematic review
Dexel, J.; Fritzsche, H.; Beyer, F.; Harman, M. K.; Lutzner, J.	Open-wedge high tibial osteotomy: incidence of lateral cortex fractures and influence of fixation device on osteotomy healing	2017	not relevant comparison
Vaishya, R.; Agarwal, A. K.; Shah, A.; Vijay, V.; Vaish, A.	Current status of top 10 nutraceuticals used for Knee Osteoarthritis in India	2018	systematic review
Vaishya, R.; Bijukchhe, A. R.; Agarwal, A. K.; Vijay, V.	A critical appraisal of medial open wedge high tibial osteotomy for knee osteoarthritis	2018	narrative review



Koh, Y. G.; Son, J.; Kwon, S. K.; Kim, H. J.; Kang, K. T.	Biomechanical evaluation of opening-wedge high tibial osteotomy with composite materials using finite-element analysis	2018	no patient oriented outcomes
Aweid, O.; Haider, Z.; Saed, A.; Kalairajah, Y.	Treatment modalities for hip and knee osteoarthritis: A systematic review of safety	2018	systematic review* References Reviewed
Jeong, J. H.; Chang, M. J.; Kang, S. B.; Chang, C. B.; Yoon, C.; Park, J.; Lee, S. A.	Prevalence of excessive lateral pressure syndrome in varus osteoarthritic candidates for high tibial osteotomy	2018	no relevant treatment recieved. only included candidates for hto
De Santis, M.; Di Matteo, B.; Chisari, E.; Cincinelli, G.; Angele, P.; Lattermann, C.; Filardo, G.; Vitale, N. D.; Selmi, C.; Kon, E.	The Role of Wnt Pathway in the Pathogenesis of OA and Its Potential Therapeutic Implications in the Field of Regenerative Medicine	2018	systematic review
Le, A. D. K.; Enweze, L.; DeBaun, M. R.; Dragoo, J. L.	Current Clinical Recommendations for Use of Platelet-Rich Plasma	2018	narrative review
Cook, C. S.; Smith, P. A.	Clinical Update: Why PRP Should Be Your First Choice for Injection Therapy in Treating Osteoarthritis of the Knee	2018	narrative review
Shori, G.; Kapoor, G.; Talukdar, P.	Effectiveness of home-based physiotherapy on pain and disability in participants with osteoarthritis of knee: an observational study	2018	no relevant comparison
Otsuki, S.; Murakami, T.; Okamoto, Y.; Nakagawa, K.; Okuno, N.; Wakama, H.; Neo, M.	Risk of patella baja after opening-wedge high tibial osteotomy	2018	no relevant comparison tto pico
Landsmeer, M. L. A.; de Vos, B. C.; van der Plas, P.; van Middelkoop, M.; Vroegindewij, D.; Bindels, P. J. E.; Oei, E. H. G.; Bierma-Zeinstra, S. M. A.; Runhaar, J.	Effect of weight change on progression of knee OA structural features assessed by MRI in overweight and obese women	2018	not specific to patients with OAK at baseline
Derakhshan, P.	What is the role of erythropoietin prolotherapy on pain relief of knee osteoarthritis?	2018	narrative review
Salmon, J. H.; Rat, A. C.; Charlot-Lambrecht, I.; Eschard, J. P.; Jolly, D.; Fautrel, B.	Cost Effectiveness of Intra-Articular Hyaluronic Acid and Disease-Modifying Drugs in Knee Osteoarthritis	2018	systematic review

Rausch Osthoff, A. K.; Niedermann, K.; Braun, J.; Adams, J.; Brodin, N.; Dagfinrud, H.; Duruoz, T.; Esbensen, B. A.; Gunther, K. P.; Hurkmans, E.; Juhl, C. B.; Kennedy, N.; Kiltz, U.; Knittle, K.; Nurmohamed, M.; Pais, S.; Severijns, G.; Swinnen, T. W.; Pitsillidou, I. A.; Warburton, L.; Yankov, Z.; Vliet Vlieland, T. P. M.	2018 EULAR recommendations for physical activity in people with inflammatory arthritis and osteoarthritis	2018	systematic review
Mistry, D. A.; Chandratreya, A.; Lee, P. Y. F.	An Update on Unloading Knee Braces in the Treatment of Unicompartmental Knee Osteoarthritis from the Last 10 Years: A Literature Review	2018	systematic review* References Reviewed
Leighton, R.; Fitzpatrick, J.; Smith, H.; Crandall, D.; Flannery, C. R.; Conrozier, T.	Systematic clinical evidence review of NASHA (Durolane hyaluronic acid) for the treatment of knee osteoarthritis	2018	systematic review
Qin, D.; Chen, W.; Wang, J.; Lv, H.; Ma, W.; Dong, T.; Zhang, Y.	Mechanism and influencing factors of proximal fibular osteotomy for treatment of medial compartment knee osteoarthritis: A prospective study	2018	not relevant comparison
Ebell, M. H.	Osteoarthritis: Rapid Evidence Review	2018	systematic review
Jafarzadeh, S. R.; Clancy, M.; Li, J. S.; Apovian, C. M.; Guerhazi, A.; Eckstein, F.; Felson, D. T.	Changes in the structural features of osteoarthritis in a year of weight loss	2018	no patient oriented outcomes
Siboni, R.; Beaufils, P.; Boisrenoult, P.; Steltzlen, C.; Pujol, N.	Opening-wedge high tibial osteotomy without bone grafting in severe varus osteoarthritic knee. Rate and risk factors of non-union in 41 cases	2018	<30 patients per group
Hellevik, A. I.; Johnsen, M. B.; Langhammer, A.; Baste, V.; Furnes, O.; Storheim, K.; Zwart, J. A.; Flugsrud, G. B.; Nordsletten, L.	Metabolic syndrome as a risk factor for total hip or knee replacement due to primary osteoarthritis: a prospective cohort study (the HUNT study and the Norwegian Arthroplasty Register)	2018	no oak at baseline
McIntyre, J. A.; Jones, I. A.; Han, B.; Vangsness, C. T., Jr.	Intra-articular Mesenchymal Stem Cell Therapy for the Human Joint: A Systematic Review	2018	systematic review
Conrozier, T.; Monet, M.; Lohse, A.; Raman, R.	Getting Better or Getting Well? The Patient Acceptable Symptom State (PASS) Better Predicts Patient's Satisfaction than the Decrease of Pain, in Knee Osteoarthritis Subjects Treated with Viscosupplementation	2018	no treatment comparison group

McIntyre, J. A.; Jones, I. A.; Danilkovich, A.; Vangness, C. T., Jr.	The Placenta: Applications in Orthopaedic Sports Medicine	2018	systematic review
Coughlin, R. P.; Oldweiler, A.; Mickelson, D. T.; Moorman, C. T., 3rd	Adipose-Derived Stem Cell Transplant Technique for Degenerative Joint Disease	2017	description of technique
Nussbaum, E. L.; Houghton, P.; Anthony, J.; Rennie, S.; Shay, B. L.; Hoens, A. M.	Neuromuscular Electrical Stimulation for Treatment of Muscle Impairment: Critical Review and Recommendations for Clinical Practice	2017	systematic review* References Reviewed
Buyuk, A. F.; Kilinc, E.; Camurcu, I. Y.; Camur, S.; Ucpunar, H.; Kara, A.	Compared Efficacy of Intra-Articular Injection of Methylprednisolone and Triamcinolone	2017	not relevant comparison
Hussain, N.; Johal, H.; Bhandari, M.	An evidence-based evaluation on the use of platelet rich plasma in orthopedics - a review of the literature	2017	narrative review
Australian Knee, Society	Position Statement From the Australian Knee Society on Arthroscopic Surgery of the Knee, Including Reference to the Presence of Osteoarthritis or Degenerative Joint Disease: Updated October 2016	2017	systematic review
Rodriguez-Grande, E. I.; Osma-Rueda, J. L.; Serrano-Villar, Y.; Ramirez, C.	Effects of pulsed therapeutic ultrasound on the treatment of people with knee osteoarthritis	2017	case series with less than 30 patients
Sazo-Rodriguez, S.; Mendez-Rebolledo, G.; Guzman-Munoz, E.; Rubio-Palma, P.	The effects of progressive neuromuscular training on postural balance and functionality in elderly patients with knee osteoarthritis: a pilot study	2017	less than 30 patients
Piuzzi, N. S.; Chughtai, M.; Khlopas, A.; Harwin, S. F.; Miniaci, A.; Mont, M. A.; Muschler, G. F.	Platelet-Rich Plasma for the Treatment of Knee Osteoarthritis: A Review	2017	narrative review
Shahid, M.; Kundra, R.	Platelet-rich plasma (PRP) for knee disorders	2017	narrative review
Rothenberg, J. B.; Jayaram, P.; Naqvi, U.; Gober, J.; Malanga, G. A.	The Role of Low-Intensity Pulsed Ultrasound on Cartilage Healing in Knee Osteoarthritis: A Review	2017	systematic review* References Reviewed
Miller, L. E.; Sloniewsky, M. J.; Gibbons, T. E.; Johnston, J. G.; Vosler, K. D.; Nasir, S.	Long-term clinical benefit and cost-effectiveness of an 8-week multimodal knee osteoarthritis management program incorporating intra-articular sodium hyaluronate (Hyalgan) injections	2017	no comparison group
Sit, R. W.; Chung, V. C.; Reeves, K. D.; Rabago, D.; Chan, K. K.; Chan, D. C.; Wu, X.; Ho, R. S.; Wong, S. Y.	Erratum: Hypertonic dextrose injections (prolotherapy) in the treatment of symptomatic knee osteoarthritis: A systematic review and meta-analysis	2017	systematic review
Hagen, K. B.; Grotle, M.	Similar benefits from Tai Chi and supervised physiotherapy for knee osteoarthritis [synopsis]	2017	summary of previously done trial

Cooper, C.; Rannou, F.; Richette, P.; Bruyere, O.; Al-Daghri, N.; Altman, R. D.; Brandi, M. L.; Collaud Basset, S.; Herrero-Beaumont, G.; Migliore, A.; Pavelka, K.; Uebelhart, D.; Reginster, J. Y.	Use of Intraarticular Hyaluronic Acid in the Management of Knee Osteoarthritis in Clinical Practice	2017	narrative review
Sun, H.; Zhou, L.; Li, F.; Duan, J.	Erratum: Comparison between Closing-Wedge and Opening-Wedge High Tibial Osteotomy in Patients with Medial Knee Osteoarthritis: A Systematic Review and Meta-analysis	2017	systematic review
Kan, L.; Zhang, J.; Yang, Y.; Wang, P.	The Effects of Yoga on Pain, Mobility, and Quality of Life in Patients with Knee Osteoarthritis: A Systematic Review	2016	systematic review
Loia, M. C.; Vanni, S.; Rosso, F.; Bonasia, D. E.; Bruzzone, M.; Dettoni, F.; Rossi, R.	High tibial osteotomy in varus knees: indications and limits	2016	narrative review
Chahla, J.; Mitchell, J. J.; Liechti, D. J.; Moatshe, G.; Menge, T. J.; Dean, C. S.; LaPrade, R. F.	Opening- and Closing-Wedge Distal Femoral Osteotomy: A Systematic Review of Outcomes for Isolated Lateral Compartment Osteoarthritis	2016	systematic review* References Reviewed
Migliore, A.; Bizzi, E.; De Lucia, O.; Delle Sedie, A.; Tropea, S.; Bentivegna, M.; Mahmoud, A.; Foti, C.	Differences Regarding Branded HA in Italy, Part 2: Data from Clinical Studies on Knee, Hip, Shoulder, Ankle, Temporomandibular Joint, Vertebral Facets, and Carpometacarpal Joint	2016	systematic review
Yokoyama, M.; Nakamura, Y.; Onishi, T.; Hirano, K.; Doi, M.	Healing period after open high tibial osteotomy and related factors: Can we really say that it is long?	2016	no relevant comparison
Altman, R.; Lim, S.; Steen, R. G.; Dasa, V.	Correction: Hyaluronic Acid Injections Are Associated with Delay of Total Knee Replacement Surgery in Patients with Knee Osteoarthritis: Evidence from a Large U.S. Health Claims Database	2016	Erratum
Waterman, B. R.; Hoffmann, J. D.; Laughlin, M. D.; Burks, R.; Pallis, M. P.; Tokish, J. M.; Belmont, P. J., Jr.	Success of High Tibial Osteotomy in the United States Military	2015	no relevant comparison
Li, X.; Wang, X. Q.; Chen, B. L.; Huang, L. Y.; Liu, Y.	Erratum to "Whole-Body Vibration Exercise for Knee Osteoarthritis: A Systematic Review and Meta-Analysis"	2015	systematic review
Pasquale, M. K.; Louder, A. M.; Cheung, R. Y.; Reiners, A. T.; Mardekian, J.; Sanchez, R. J.; Goli, V.	Healthcare Utilization and Costs of Knee or Hip Replacements versus Pain-Relief Injections	2015	not relevant comparison

Kostyuk, A.; Almadiyeva, A.; Akanov, A.	The Effectiveness and Cost-Effectiveness of Hylan G-F 20 in Osteoarthritis of the Knee	2015	abstract
Paschos, N. K.	Recent advances and future directions in the management of knee osteoarthritis: Can biological joint reconstruction replace joint arthroplasty and when?	2015	narrative review
Kertzman, P.; Lenza, M.; Pedrinelli, A.; Ejnisman, B.	Shockwave treatment for musculoskeletal diseases and bone consolidation: qualitative analysis of the literature	2015	systematic review
Hasan, K.; Rahman, Q. A.; Zalzal, P.	Navigation versus conventional high tibial osteotomy: systematic review	2015	systematic review
Glickman-Simon, R.; Wallace, J.	Acupuncture for knee osteoarthritis, chasteberry for premenstrual syndrome, probiotics for irritable bowel syndrome, yoga for hypertension, and trigger point dry needling for plantar fasciitis	2015	narrative review
Wolfstadt, J. I.; Cole, B. J.; Ogilvie-Harris, D. J.; Viswanathan, S.; Chahal, J.	Current concepts: the role of mesenchymal stem cells in the management of knee osteoarthritis	2015	systematic review
Nelson, F. R.; Zvirbulis, R. A.; Zonca, B.; Li, K. W.; Turner, S. M.; Pasierb, M.; Wilton, P.; Martinez-Puig, D.; Wu, W.	Erratum to: The effects of an oral preparation containing hyaluronic acid (Oralvisc()) on obese knee osteoarthritis patients determined by pain, function, bradykinin, leptin, inflammatory cytokines, and heavy water analyses	2015	Erratum
Quintrec, J. L.; Verlhac, B.; Cadet, C.; Breville, P.; Vetel, J. M.; Gauvain, J. B.; Jeandel, C.; Maheu, E.	Physical exercise and weight loss for hip and knee osteoarthritis in very old patients: a systematic review of the literature	2014	systematic review
Silvers, H. J.	Viscosupplementation during rehabilitation	2014	systematic review
Ayhan, E.; Kesmezacar, H.; Akgun, I.	Intraarticular injections (corticosteroid, hyaluronic acid, platelet rich plasma) for the knee osteoarthritis	2014	narrative review
Alshami, A. M.	Knee osteoarthritis related pain: a narrative review of diagnosis and treatment	2014	systematic review
Musumeci, G.; Castrogiovanni, P.; Leonardi, R.; Trovato, F. M.; Szychlinska, M. A.; Di Giunta, A.; Loreto, C.; Castorina, S.	New perspectives for articular cartilage repair treatment through tissue engineering: A contemporary review	2014	systematic review
Huleatt, J. B.; Campbell, K. J.; Laprade, R. F.	Nonoperative treatment approach to knee osteoarthritis in the master athlete	2014	systematic review

Chen, S. P.; Lo, S. F.; Wang, Y. C.; Chou, T. Y.; Chang, K. M.; Chou, L. W.	Validating efficacy of shea nut oil extract in knee osteoarthritis patients	2013	case series
Rodriguez-Merchan, E. C.	Intra-articular Injections of Hyaluronic Acid and Other Drugs in the Knee Joint	2013	systematic review* References Reviewed
Hafez, A. R.; Al-Johani, A. H.; Zakaria, A. R.; Al-Ahaideb, A.; Buragadda, S.; Melam, G. R.; Kachanathu, S. J.	Treatment of knee osteoarthritis in relation to hamstring and quadriceps strength	2013	case series
Raeissadat, S. A.; Rayegani, S. M.; Babaee, M.; Ghorbani, E.	The effect of platelet-rich plasma on pain, function, and quality of life of patients with knee osteoarthritis	2013	case series
Bhatia, D.; Bejarano, T.; Novo, M.	Current interventions in the management of knee osteoarthritis	2013	narrative review
Messier, S. P.	Effects of exercise interventions in older adults with knee osteoarthritis	2012	narrative review
Shin, C. S.; Lee, J. H.	Arthroscopic treatment for osteoarthritic knee	2012	narrative review
Alnahdi, A. H.; Zeni, J. A.; Snyder-Mackler, L.	Muscle impairments in patients with knee osteoarthritis	2012	systematic review
Segal, N. A.; Wallace, R.	Tolerance of an aquatic power training program by older adults with symptomatic knee osteoarthritis	2012	case series
Saithna, A.; Kundra, R.; Modi, C. S.; Getgood, A.; Spalding, T.	Distal femoral varus osteotomy for lateral compartment osteoarthritis in the valgus knee. A systematic review of the literature	2012	systematic review
Bhutia, S. C.; Sherpa, M. L.; Dewan, S. K.; Singh, T. A.	Correlation of cartilage metabolic markers & antioxidants with the severity of knee osteoarthritis	2016	prognostic correlational study, instead of intervention study
Wheeler, J.; Dabirrahmani, D.; Hope, N.	Stem cells and knee osteoarthritis: a legitimate treatment option?	2016	narrative review
Weick, J. W.; Bawa, H. S.; Dirschl, D. R.	Hyaluronic Acid Injections for Treatment of Advanced Osteoarthritis of the Knee: Utilization and Cost in a National Population Sample	2016	not a full cost effectiveness analysis
Saragaglia, D.; Chedal-Bornu, B.; Rouchy, R. C.; Rubens-Duval, B.; Mader, R.; Pailhe, R.	Role of computer-assisted surgery in osteotomies around the knee	2016	narrative review
Mlynarek, R. A.; Kuhn, A. W.; Bedi, A.	Platelet-Rich Plasma (PRP) in Orthopedic Sports Medicine	2016	narrative review
Cato, R. K.	Indications and Usefulness of Common Injections for Nontraumatic Orthopedic Complaints	2016	narrative review

Johal, H.; Devji, T.; Schemitsch, E. H.; Bhandari, M.	Viscosupplementation in Knee Osteoarthritis: Evidence Revisited	2016	narrative review
Fatimah, N.; Salim, B.; Raja, E. U.; Nasim, A.	Predictors of response to intra-articular steroid injections in patients with osteoarthritis of the knee joint	2016	no relevant comparison
Anonymous,	Special Shoes for the Management of Knee Osteoarthritis Symptoms	2016	abstract
Zikria, B.; Hafezi-Nejad, N.; Wilckens, J.; Ficke, J. R.; Demehri, S.	Determinants of knee replacement in subjects with a history of arthroscopy: data from the osteoarthritis initiative	2016	does not evaluate PM as an intervention, but rather evaluates history of arthroscopy as an aetiological risk factor predicting knee replacement
Shaughnessy, A. F.	Chondroitin/Glucosamine Equal to Celecoxib for Knee Osteoarthritis	2016	abstract
McCrum, C.	Therapeutic Review of Methylprednisolone Acetate Intra-Articular Injection in the Management of Osteoarthritis of the Knee - Part 2: Clinical and Procedural Considerations	2016	narrative review
Kubat, E.; Giori, N. J.; Hwa, K.; Eisenberg, D.	Osteoarthritis in veterans undergoing bariatric surgery is associated with decreased excess weight loss: 5-year outcomes	2016	less than 80% oak
Flego, A.; Dowsey, M. M.; Choong, P. F.; Moodie, M.	Addressing obesity in the management of knee and hip osteoarthritis - weighing in from an economic perspective	2016	systematic review
Anonymous,	Tai Chi Versus Physical Therapy for Knee Osteoarthritis	2016	abstract
Culvenor, A. G.; Wirth, W.; Roth, M.; Hunter, D. J.; Eckstein, F.	Predictive Capacity of Thigh Muscle Strength in Symptomatic and/or Radiographic Knee Osteoarthritis Progression: Data from the Foundation for the National Institutes of Health Osteoarthritis Biomarkers Consortium	2016	does not test if change in bmi is associated with outcome
Grieshofer, J. A.; Stanton, M.; Gambardella, R.	Debridement of Articular Cartilage: The Natural Course	2016	narrative review
Richards, M. M.; Maxwell, J. S.; Weng, L.; Angelos, M. G.; Golzarian, J.	Intra-articular treatment of knee osteoarthritis: from anti-inflammatories to products of regenerative medicine	2016	systematic review* References Reviewed
Pavelka, K.; Bruyere, O.; Cooper, C.; Kanis, J. A.; Leeb, B. F.; Maheu, E.; Martel-Pelletier, J.; Monfort, J.; Pelletier, J. P.; Rizzoli, R.; Reginster, J. Y.	Diacerein: Benefits, Risks and Place in the Management of Osteoarthritis. An Opinion-Based Report from the ESCEO	2016	non-systematic review

Maheu, E.; Rannou, F.; Reginster, J. Y.	Efficacy and safety of hyaluronic acid in the management of osteoarthritis: Evidence from real-life setting trials and surveys	2016	systematic review
Li, H.; Zeng, C.; Wei, J.; Yang, T.; Gao, S. G.; Li, Y. S.; Lei, G. H.	Associations between dietary antioxidants intake and radiographic knee osteoarthritis	2016	not relevant. study evaluates association between antioxidants and OA as an outcome
Losina, E.; Michl, G.; Collins, J. E.; Hunter, D. J.; Jordan, J. M.; Yelin, E.; Paltiel, A. D.; Katz, J. N.	Model-based evaluation of cost-effectiveness of nerve growth factor inhibitors in knee osteoarthritis: impact of drug cost, toxicity, and means of administration	2016	not relevant to pico question
Cherian, J. J.; Jauregui, J. J.; Leichter, A. K.; Elmallah, R. K.; Bhave, A.; Mont, M. A.	The effects of various physical non-operative modalities on the pain in osteoarthritis of the knee	2016	systematic review* References Reviewed
Woodacre, T.; Ricketts, M.; Evans, J. T.; Pavlou, G.; Schranz, P.; Hockings, M.; Toms, A.	Complications associated with opening wedge high tibial osteotomy--A review of the literature and of 15 years of experience	2016	not relevant comparison
Waddell, D. D.; Joseph, B.	Delayed Total Knee Replacement with Hylan G-F 20	2016	no relevant comparison
Steadman, J. R.; Briggs, K. K.; Pomeroy, S. M.; Wijdicks, C. A.	Current state of unloading braces for knee osteoarthritis	2016	systematic review
Maleki, M.; Arazpour, M.; Joghtaei, M.; Hutchins, S. W.; Aboutorabi, A.; Pouyan, A.	The effect of knee orthoses on gait parameters in medial knee compartment osteoarthritis: A literature review	2016	systematic review
Strain, D.; Li, C. S.; Phillips, M.; Monteagudo Piqueras, O.; Bhandari, M.	Cost Effectiveness and Economic Impact of the KineSpring Knee Implant System in the Treatment of Knee Osteoarthritis in Spain	2015	not relevant to pico question
Hoofwijk, D. M.; Fiddelers, A. A.; Emans, P. J.; Joosten, E. A.; Gramke, H. F.; Marcus, M. A.; Buhre, W. F.	Prevalence and Predictive Factors of Chronic Postsurgical Pain and Global Surgical Recovery 1 Year After Outpatient Knee Arthroscopy: A Prospective Cohort Study	2015	no intervention comparison group and less than 80% oak at baseline
Heidari, B.; Javadian, Y.; Babaei, M.; Yousef-Ghahari, B.	Restorative Effect of Vitamin D Deficiency on Knee Pain and Quadriceps Muscle Strength in Knee Osteoarthritis	2015	no control group
Majid, N.; Lee, S.; Plummer, V.	The effectiveness of orthopedic patient education in improving patient outcomes: a systematic review protocol	2015	systematic review
Cantin, O.; Magnussen, R. A.; Corbi, F.; Servien, E.; Neyret, P.; Lustig, S.	The role of high tibial osteotomy in the treatment of knee laxity: a comprehensive review	2015	systematic review
Giuseffi, S. A.; Replogle, W. H.; Shelton, W. R.	Opening-Wedge High Tibial Osteotomy: Review of 100 Consecutive Cases	2015	not relevant comparison



Yan, C. H.; Chan, W. L.; Yuen, W. H.; Yung, P. S.; Ip, K. Y.; Fan, J. C.; Chiu, K. Y.	Efficacy and safety of hylan G-F 20 injection in treatment of knee osteoarthritis in Chinese patients: results of a prospective, multicentre, longitudinal study	2015	no relevant comparison group
Button, K.; Roos, P. E.; Spasic, I.; Adamson, P.; van Deursen, R. W.	The clinical effectiveness of self-care interventions with an exercise component to manage knee conditions: A systematic review	2015	systematic review
Konopka, J. F.; Gomoll, A. H.; Thornhill, T. S.; Katz, J. N.; Losina, E.	The cost-effectiveness of surgical treatment of medial unicompartamental knee osteoarthritis in younger patients: a computer model-based evaluation	2015	not relevant comparison
Kim, K.; Feng, J.; Nha, K. W.; Park, W. M.; Kim, Y. H.	Improvement of the knee center of rotation during walking after opening wedge high tibial osteotomy	2015	less than 30 patients per group
Pietrosimone, B.; Blackburn, J. T.; Harkey, M. S.; Luc, B. A.; Pamukoff, D. N.; Hart, J. M.	Clinical strategies for addressing muscle weakness following knee injury	2015	narrative review
Gelber, A. C.	Conventional medical therapy for osteoarthritis: current state of the evidence	2015	systematic review
Hunter, D. J.	Viscosupplementation for osteoarthritis of the knee	2015	narrative review
Hodge, B.; Skolnik, D.	Clinical inquiry: does topical diclofenac relieve osteoarthritis pain?	2015	narrative review
Ji, C.; Lin, X.; Zhu, L.; Li, M.	McMurray Test: A Prediction of Arthroscopic Meniscectomy Outcomes in Patients with Knee Osteoarthritis	2015	Irrelevant Topic: Meniscal Lesion
Grayson, W. L.; Bunnell, B. A.; Martin, E.; Frazier, T.; Hung, B. P.; Gimble, J. M.	Stromal cells and stem cells in clinical bone regeneration	2015	narrative review
Groen, V. A.; van de Graaf, V. A.; Scholtes, V. A.; Sprague, S.; van Wagenveld, B. A.; Poolman, R. W.	Effects of bariatric surgery for knee complaints in (morbidly) obese adult patients: a systematic review	2015	systematic review
King, L. K.; Henneicke, H.; Seibel, M. J.; March, L.; Anandacoomarasmy, A.	Association of adipokines and joint biomarkers with cartilage-modifying effects of weight loss in obese subjects	2015	not specific to patients with OAK at baseline
Moyer, R. F.; Birmingham, T. B.; Bryant, D. M.; Giffin, J. R.; Marriott, K. A.; Leitch, K. M.	Biomechanical effects of valgus knee bracing: a systematic review and meta-analysis	2015	systematic review
Ageberg, E.; Roos, E. M.	Neuromuscular exercise as treatment of degenerative knee disease	2015	narrative review

Fang, M. A.; Heiney, C.; Yentes, J. M.; Harada, N. D.; Masih, S.; Perell-Gerson, K. L.	Effects of contralateral versus ipsilateral cane use on gait in people with knee osteoarthritis	2015	less than 4 week follow up
El Ghazaly, S. A.; Rahman, A. A.; Yusry, A. H.; Fathalla, M. M.	Arthroscopic partial meniscectomy is superior to physical rehabilitation in the management of symptomatic unstable meniscal tears	2015	only 20 patients with OA
Cotic, M.; Vogt, S.; Feucht, M. J.; Saier, T.; Minzlaff, P.; Hinterwimmer, S.; Imhoff, A. B.	Prospective evaluation of a new plate fixator for valgus-producing medial open-wedge high tibial osteotomy	2015	less than 30 patients
Forkel, P.; Achtnich, A.; Metzloff, S.; Zantop, T.; Petersen, W.	Midterm results following medial closed wedge distal femoral osteotomy stabilized with a locking internal fixation device	2015	less than 30 patients
Teichtahl, A. J.; Wluka, A. E.; Tanamas, S. K.; Wang, Y.; Strauss, B. J.; Proietto, J.; Dixon, J. B.; Jones, G.; Forbes, A.; Cicuttini, F. M.	Weight change and change in tibial cartilage volume and symptoms in obese adults	2015	no oak at baseline
Minzlaff, P.; Saier, T.; Brucker, P. U.; Haller, B.; Imhoff, A. B.; Hinterwimmer, S.	Valgus bracing in symptomatic varus malalignment for testing the expectable "unloading effect" following valgus high tibial osteotomy	2015	less than 30 patients per group
Antony, B.; Jones, G.; Venn, A.; Cicuttini, F.; March, L.; Blizzard, L.; Dwyer, T.; Cross, M.; Ding, C.	Association between childhood overweight measures and adulthood knee pain, stiffness and dysfunction: a 25-year cohort study	2015	no oak at baseline
Filardo, G.; Kon, E.; Roffi, A.; Di Matteo, B.; Merli, M. L.; Marcacci, M.	Platelet-rich plasma: why intra-articular? A systematic review of preclinical studies and clinical evidence on PRP for joint degeneration	2015	systematic review
Howells, N. R.; Salmon, L.; Waller, A.; Scanelli, J.; Pinczewski, L. A.	The outcome at ten years of lateral closing-wedge high tibial osteotomy: determinants of survival and functional outcome	2014	no relevant comparison
Bitto, A.; Squadrito, F.; Irrera, N.; Pizzino, G.; Pallio, G.; Mecchio, A.; Galfo, F.; Altavilla, D.	Flavocoxid, a nutraceutical approach to blunt inflammatory conditions	2014	not relevant systematic review
Eyles, J. P.; Lucas, B. R.; Patterson, J. A.; Williams, M. J.; Weeks, K.; Fransen, M.; Hunter, D. J.	Does clinical presentation predict response to a nonsurgical chronic disease management program for endstage hip and knee osteoarthritis?	2014	less than 80% oak
Schmajuk, G.; Bozic, K. J.; Yazdany, J.	Using Medicare data to understand low-value health care: the case of intra-articular hyaluronic acid injections	2014	not a full cost effectiveness analysis

Skou, S. T.; Simonsen, M. E.; Odgaard, A.; Roos, E. M.	Predictors of long-term effect from education and exercise in patients with knee and hip pain	2014	no relevant comparison
Anonymous,	I have knee osteoarthritis (OA), and a friend recommended shock-absorbing insoles to reduce the pain. Are they really effective?	2014	letter
Bartels, E. M.; Christensen, R.; Christensen, P.; Henriksen, M.; Bennett, A.; Gudbergesen, H.; Boesen, M.; Bliddal, H.	Effect of a 16 weeks weight loss program on osteoarthritis biomarkers in obese patients with knee osteoarthritis: a prospective cohort study	2014	does not test if change in bmi is associated with any patient oriented outcomes
Jones, T.; Kelsberg, G.; Safranek, S.	FPIN's clinical inquiries: Intra-articular corticosteroid injections for osteoarthritis of the knee	2014	narrative review
Brooks, M. A.; Beaulieu, J. E.; Severson, H. H.; Wille, C. M.; Cooper, D.; Gau, J. M.; Heiderscheid, B. C.	Web-based therapeutic exercise resource center as a treatment for knee osteoarthritis: a prospective cohort pilot study	2014	no relevant comparison
Tietze, D. C.; Geissler, K.; Borchers, J.	The effects of platelet-rich plasma in the treatment of large-joint osteoarthritis: a systematic review	2014	systematic review
Henrotin, Y.; Marty, M.; Mobasheri, A.	What is the current status of chondroitin sulfate and glucosamine for the treatment of knee osteoarthritis?	2014	systematic review
Baert, I. A.; Nijs, J.; Meeus, M.; Lluch, E.; Struyf, F.	The effect of lateral wedge insoles in patients with medial compartment knee osteoarthritis: balancing biomechanics with pain neuroscience	2014	systematic review
Astolfi, M.; McGuire, K.; Kaminski, T. W.	The effectiveness of autologous conditioned serum in the treatment of knee osteoarthritis	2014	systematic review* References Reviewed
Katz, J. N.; Brownlee, S. A.; Jones, M. H.	The role of arthroscopy in the management of knee osteoarthritis	2014	narrative review
Koh, Y. G.; Choi, Y. J.; Kwon, O. R.; Kim, Y. S.	Second-Look Arthroscopic Evaluation of Cartilage Lesions After Mesenchymal Stem Cell Implantation in Osteoarthritic Knees	2014	no relevant comparison
Apold, H.; Meyer, H. E.; Nordsletten, L.; Furnes, O.; Baste, V.; Flugsrud, G. B.	Weight gain and the risk of knee replacement due to primary osteoarthritis: a population based, prospective cohort study of 225,908 individuals	2014	not specific to patients with OAK at baseline
Zychowicz, M. E.	Viscosupplementation for knee osteoarthritis	2014	systematic review
Mordarski, S.	Pain management in the elderly: transdermal fentanyl for the treatment of pain caused by osteoarthritis of the knee and hip	2014	insufficient reporting of statistical results

Musumeci, G.; Loreto, C.; Imbesi, R.; Trovato, F. M.; Di Giunta, A.; Lombardo, C.; Castorina, S.; Castrogiovanni, P.	Advantages of exercise in rehabilitation, treatment and prevention of altered morphological features in knee osteoarthritis. A narrative review	2014	systematic review
Bonasia, D. E.; Dettoni, F.; Sito, G.; Blonna, D.; Marmotti, A.; Bruzzone, M.; Castoldi, F.; Rossi, R.	Medial opening wedge high tibial osteotomy for medial compartment overload/arthritis in the varus knee: prognostic factors	2014	no relevant comparison
Trofa, D.; Smith, E. L.; Shah, V.; Shikora, S.	Total weight loss associated with increased physical activity after bariatric surgery may increase the need for total joint arthroplasty	2014	less than 30 patients
Bert, J. M.; Bert, T. M.	Nonoperative treatment of unicompartmental arthritis: from bracing to injection	2014	narrative review
Chaudhry, H.; Madden, K.; Bhandari, M.	Cochrane in CORR : Joint lavage for osteoarthritis of the knee	2014	editorial summary of another systematic review
Nelson, R. E.; Battistone, M. J.; Ashworth, W. D.; Barker, A. M.; Grotzke, M.; Huhtala, T. A.; Lafleur, J.; Tashjian, R. Z.; Cannon, G. W.	Cost effectiveness of training rural providers to perform joint injections	2014	not relevant to pico question
Floerkemeier, S.; Staubli, A. E.; Schroeter, S.; Goldhahn, S.; Lobenhoffer, P.	Does obesity and nicotine abuse influence the outcome and complication rate after open-wedge high tibial osteotomy? A retrospective evaluation of five hundred and thirty three patients	2014	no relevant comparison
Lau, M. C.; Lam, J. K.; Siu, E.; Fung, C. S.; Li, K. T.; Lam, M. W.	Physiotherapist-designed aquatic exercise programme for community-dwelling elders with osteoarthritis of the knee: a Hong Kong pilot study	2014	less than 30 patients and case series
Burki, V.; Paternotte, S.; Dougados, M.; Ayrat, X.	Rapidly destructive tibiofemoral knee osteoarthritis: clinicoradiological presentation and outcome after global medical treatment including non-arthroscopic joint lavage plus corticosteroid injection. A single center retrospective study	2014	no relevant comparison
Li, C. S.; Bhandari, M.	Cost-effectiveness of unicompartmental knee arthroplasty, high tibial osteotomy, and KineSpring Knee Implant System for unicompartmental osteoarthritis of the knee	2013	not relevant to pico question
Evaniew, N.; Hanson, B.; Winemaker, M.	Viscosupplementation for knee osteoarthritis: current evidence and recommendations	2013	narrative review

Li, C. S.; Ayeni, O. R.; Sprague, S.; Truong, V.; Bhandari, M.	Conservative treatments, surgical treatments, and the KineSpring Knee Implant system for knee osteoarthritis: a systematic review	2013	systematic review
Ratsepsoo, M.; Gapeyeva, H.; Sokk, J.; Ereline, J.; Haviko, T.; Paasuke, M.	Leg extensor muscle strength, postural stability, and fear of falling after a 2-month home exercise program in women with severe knee joint osteoarthritis	2013	less than 30 patients
Hsu, W. K.; Mishra, A.; Rodeo, S. R.; Fu, F.; Terry, M. A.; Randelli, P.; Canale, S. T.; Kelly, F. B.	Platelet-rich plasma in orthopaedic applications: evidence-based recommendations for treatment	2013	narrative review
Simon, L. S.	Nonsteroidal anti-inflammatory drugs and their risk: a story still in development	2013	narrative review
Anonymous,	Autologous mesenchymal stem cells for treating knee osteoarthritis	2013	systematic review
Pietrzak, E.; Cotea, C.; Pullman, S.; Nasveld, P.	Self-management and rehabilitation in osteoarthritis: is there a place for internet-based interventions?	2013	systematic review* References Reviewed
Seidel, M. F.; Wise, B. L.; Lane, N. E.	Nerve growth factor: an update on the science and therapy	2013	systematic review
Steigerwald, I.; Schenk, M.; Lahne, U.; Gebuhr, P.; Falke, D.; Hoggart, B.	Effectiveness and tolerability of tapentadol prolonged release compared with prior opioid therapy for the management of severe, chronic osteoarthritis pain	2013	no control intervention group
Larose, J.; King, J.; Brosseau, L.; Wells, G. A.; Reid, R.; Maetzel, A.; Tugwell, P.; Huijbregts, M.; McCullough, C.; Loew, L.; Kenny, G. P.	The effect of walking on cardiorespiratory fitness in adults with knee osteoarthritis	2013	no patient oriented outcomes
Fernandes, L.; Hagen, K. B.; Bijlsma, J. W.; Andreassen, O.; Christensen, P.; Conaghan, P. G.; Doherty, M.; Geenen, R.; Hammond, A.; Kjekouk, I.; Lohmander, L. S.; Lund, H.; Mallen, C. D.; Nava, T.; Oliver, S.; Pavelka, K.; Pitsillidou, I.; da Silva, J. A.; de la Torre, J.; Zanolini, G.; Vliet Vlieland, T. P.; European League Against, Rheumatism	EULAR recommendations for the non-pharmacological core management of hip and knee osteoarthritis	2013	systematic review

Alvarez-Camino, J. C.; Vazquez-Delgado, E.; Gay-Escoda, C.	Use of autologous conditioned serum (Orthokine) for the treatment of the degenerative osteoarthritis of the temporomandibular joint. Review of the literature	2013	systematic review* References Reviewed
Gudbergesen, H.; Boesen, M.; Christensen, R.; Bartels, E. M.; Henriksen, M.; Danneskiold-Samsoe, B.; Bliddal, H.	Changes in bone marrow lesions in response to weight-loss in obese knee osteoarthritis patients: a prospective cohort study	2013	does not evaluate if change in weight is associated with patient oriented outcomes
Harris, J. D.; McNeilan, R.; Siston, R. A.; Flanigan, D. C.	Survival and clinical outcome of isolated high tibial osteotomy and combined biological knee reconstruction	2013	systematic review
Eckstein, F.; Hitzl, W.; Duryea, J.; Kent Kwoh, C.; Wirth, W.; O. A. I. investigators	Baseline and longitudinal change in isometric muscle strength prior to radiographic progression in osteoarthritic and pre-osteoarthritic knees--data from the Osteoarthritis Initiative	2013	does not test if change in bmi is associated with outcome
Larsen, B. L.; Jacofsky, M. C.; Brown, J. A.; Jacofsky, D. J.	Valgus bracing affords short-term treatment solution across walking and sit-to-stand activities	2013	compared to healthy controls
Romero Jurado, M.; Enrique Fidalgo, A.; Rodriguez Villar, V.; Mar Medina, J.; Soler Lopez, B.	Factors related with the time to surgery in waiting-list patients for knee prostheses	2013	less than 30 patients per group
Henrotin, Y.; Chevalier, X.; Deberg, M.; Balblanc, J. C.; Richette, P.; Mulleman, D.; Maillet, B.; Rannou, F.; Piroth, C.; Mathieu, P.; Conrozier, T.; Osteoarthritis Group of French Society of, Rheumatology	Early decrease of serum biomarkers of type II collagen degradation (Coll2-1) and joint inflammation (Coll2-1 NO2 ) by hyaluronic acid intra-articular injections in patients with knee osteoarthritis: a research study part of the Biovisco study	2013	no relevant comparison
Squyer, E.; Stamper, D. L.; Hamilton, D. T.; Sabin, J. A.; Leopold, S. S.	Unloader knee braces for osteoarthritis: do patients actually wear them?	2013	no relevant outcomes to pico. evaluates predictors of brace compliance
Argoff, C. E.	Topical analgesics in the management of acute and chronic pain	2013	systematic review*
Hirsch, G.; Kitas, G.; Klocke, R.	Intra-articular corticosteroid injection in osteoarthritis of the knee and hip: factors predicting pain relief--a systematic review	2013	systematic review
Wang, Y.; Wluka, A. E.; Simpson, J. A.; Giles, G. G.; Graves, S. E.; de Steiger, R. N.; Cicuttini, F. M.	Body weight at early and middle adulthood, weight gain and persistent overweight from early adulthood are predictors of the risk of total knee and hip replacement for osteoarthritis	2013	no OAK at baseline
Afilalo, M.; Morlion, B.	Efficacy of tapentadol ER for managing moderate to severe chronic pain	2013	review

de Oliveira Melo, M.; Aragao, F. A.; Vaz, M. A.	Neuromuscular electrical stimulation for muscle strengthening in elderly with knee osteoarthritis - a systematic review	2013	systematic review
Jones, R. K.; Chapman, G. J.; Findlow, A. H.; Forsythe, L.; Parkes, M. J.; Sultan, J.; Felson, D. T.	A new approach to prevention of knee osteoarthritis: reducing medial load in the contralateral knee	2013	no intervention / prog analysis of interest
Adams, T.; Band-Entrup, D.; Kuhn, S.; Legere, L.; Mace, K.; Paggi, A.; Penney, M.	Physical therapy management of knee osteoarthritis in the middle-aged athlete	2013	narrative review
Steadman, J. R.; Briggs, K. K.; Matheny, L. M.; Ellis, H. B.	Ten-year survivorship after knee arthroscopy in patients with Kellgren-Lawrence grade 3 and grade 4 osteoarthritis of the knee	2013	no control group
Maricar, N.; Callaghan, M. J.; Felson, D. T.; O'Neill, T. W.	Predictors of response to intra-articular steroid injections in knee osteoarthritis--a systematic review	2013	systematic review
Haviv, B.; Bronak, S.; Thein, R.; Thein, R.	The results of corrective osteotomy for valgus arthritic knees	2013	systematic review
De La Mata, J.	Platelet rich plasma. A new treatment tool for the rheumatologist?	2013	narrative review
Frizziero, A.; Giannotti, E.; Oliva, F.; Masiero, S.; Maffulli, N.	Autologous conditioned serum for the treatment of osteoarthritis and other possible applications in musculoskeletal disorders	2013	systematic review* References Reviewed
Floerkemeier, S.; Staubli, A. E.; Schroeter, S.; Goldhahn, S.; Lobenhoffer, P.	Outcome after high tibial open-wedge osteotomy: a retrospective evaluation of 533 patients	2013	no relevant comparison
Anagnostakos, K.; Mosser, P.; Kohn, D.	Infections after high tibial osteotomy	2013	systematic review
Bonnin, M. P.; Laurent, J. R.; Zadegan, F.; Badet, R.; Pooler Archbold, H. A.; Servien, E.	Can patients really participate in sport after high tibial osteotomy?	2013	no relevant comparison
Niinimaki, T. T.; Eskelinen, A.; Mann, B. S.; Junnila, M.; Ohtonen, P.; Leppilahti, J.	Survivorship of high tibial osteotomy in the treatment of osteoarthritis of the knee: Finnish registry-based study of 3195 knees	2012	no relevant comparison
Howard, D.; Brophy, R.; Howell, S.	Evidence of no benefit from knee surgery for osteoarthritis led to coverage changes and is linked to decline in procedures	2012	utilization study
Rodriguez-Merchan, E. C.	Intra-articular injections of hyaluronic acid (viscosupplementation) in the haemophilic knee	2012	systematic review

Chen, H.; Onishi, K.	Effect of home exercise program performance in patients with osteoarthritis of the knee or the spine on the visual analog scale after discharge from physical therapy	2012	less than 30 patients
Goncalves, R. S.; Meireles, A. C.; Gil, J. N.; Cavalheiro, L. M.; Rosado, J. O.; Cabri, J.	Responsiveness of intermittent and constant osteoarthritis pain (ICOAP) after physical therapy for knee osteoarthritis	2012	case series
Brakke, R.; Singh, J.; Sullivan, W.	Physical therapy in persons with osteoarthritis	2012	narrative review
Cheng, O. T.; SouzdaInitski, D.; Vrooman, B.; Cheng, J.	Evidence-based knee injections for the management of arthritis	2012	systematic review
W. Dahl A; Robertsson, O.; Lohmander, L. S.	High tibial osteotomy in Sweden, 1998-2007: a population-based study of the use and rate of revision to knee arthroplasty	2012	no relevant comparison
Cleland, L. G.; James, M. J.	Osteoarthritis. Omega-3 fatty acids and synovitis in osteoarthritic knees	2012	narrative review
Webber, T. A.; Webber, A. E.; Matzkin, E.	Rate of adverse reactions to more than 1 series of viscosupplementation	2012	less than 30 patients per group
Brantingham, J. W.; Bonnefin, D.; Perle, S. M.; Cassa, T. K.; Globe, G.; Pribicevic, M.; Hicks, M.; Korporaal, C.	Manipulative therapy for lower extremity conditions: update of a literature review	2012	systematic review
Gomoll, A. H.; Filardo, G.; Almqvist, F. K.; Bugbee, W. D.; Jelic, M.; Monllau, J. C.; Puddu, G.; Rodkey, W. G.; Verdonk, P.; Verdonk, R.; Zaffagnini, S.; Marcacci, M.	Surgical treatment for early osteoarthritis. Part II: allografts and concurrent procedures	2012	systematic review
Kristensen, J.; Franklyn-Miller, A.	Resistance training in musculoskeletal rehabilitation: a systematic review	2012	systematic review
Radzimski, A. O.; Mundermann, A.; Sole, G.	Effect of footwear on the external knee adduction moment - A systematic review	2012	systematic review
Lane, N. E.; Schnitzer, T. J.; Birbara, C. A.; Mokhtarani, M.; Shelton, D. L.; Smith, M. D.; Brown, M. T.	Tanezumab for the treatment of pain from osteoarthritis of the knee	2010	not relevant to pico question
Manheimer, E.; Lim, B.; Lao, L.; Berman, B.	Acupuncture for knee osteoarthritis--a randomised trial using a novel sham	2006	duplicate publication



Bingham, C. O., 3rd; Buckland-Wright, J. C.; Garner, P.; Cohen, S. B.; Dougados, M.; Adami, S.; Clauw, D. J.; Spector, T. D.; Pelletier, J. P.; Raynaud, J. P.; Strand, V.; Simon, L. S.; Meyer, J. M.; Cline, G. A.; Beary, J. F.	Risedronate decreases biochemical markers of cartilage degradation but does not decrease symptoms or slow radiographic progression in patients with medial compartment osteoarthritis of the knee: results of the two-year multinational knee osteoarthritis structural arthritis study	2006	not relevant to pico question. evaluate osteoporosis treatment
Walker, A. F.; Bundy, R.; Hicks, S. M.; Middleton, R. W.	Bromelain reduces mild acute knee pain and improves well-being in a dose-dependent fashion in an open study of otherwise healthy adults	2002	unclear if patient population was 80% knee OA
McIlwain, H.; Silverfield, J. C.; Cheatum, D. E.; Poiley, J.; Taborn, J.; Ignaczak, T.; Multz, C. V.	Intra-articular chondroitin in osteoarthritis of the knee: a placebo-controlled efficacy, safety, and dosage comparison	1989	not relevant to pico question
Lauche, R.; Hunter, D. J.; Adams, J.; Cramer, H.	Yoga for Osteoarthritis: a Systematic Review and Meta-analysis	2019	systematic review* References reviewed
Rashid, H.; Kwok, C. K.	Should Platelet-Rich Plasma or Stem Cell Therapy Be Used to Treat Osteoarthritis?	2019	narrative review
Orhurhu, V.; Urits, I.; Grandhi, R.; Abd-Elseyed, A.	Systematic Review of Radiofrequency Ablation for Management of Knee Pain	2019	systematic review; bib reviewed
Richardson, C.; Plaas, A.; Block, J. A.	Intra-articular Hyaluronan Therapy for Symptomatic Knee Osteoarthritis	2019	narrative review
Dantas, L. O.; Moreira, R. F. C.; Norde, F. M.; Mendes Silva Serrao, P. R.; Alburquerque-Sendão, F.; Salvini, T. F.	The effects of cryotherapy on pain and function in individuals with knee osteoarthritis: a systematic review of randomized controlled trials	2019	systematic review* References Reviewed
Honvo, G.; Bruyère, O.; Reginster, J. Y.	Update on the role of pharmaceutical-grade chondroitin sulfate in the symptomatic management of knee osteoarthritis	2019	systematic review
Palmer, J. S.; Monk, A. P.; Hopewell, S.; Bayliss, L. E.; Jackson, W.; Beard, D. J.; Price, A. J.	Surgical interventions for symptomatic mild to moderate knee osteoarthritis	2019	systematic review* References Reviewed
Kelly, R. B.; Willis, J.	Acupuncture for Pain	2019	narrative review
Aquili, A.; Farinelli, L.; Gigante, A.	Hyaluronic acid versus hyaluronic acid and Dolatrox®: a prospective, double-blind randomized controlled pilot study for the treatment of knee osteoarthritis	2019	Sample Size too Small (n < 30 per group)
Ajrawat, P.; Dwyer, T.; Chahal, J.	Autologous Interleukin 1 Receptor Antagonist Blood-Derived Products for Knee Osteoarthritis: A Systematic Review	2019	systematic review* References Reviewed

Gersing, A. S.; Schwaiger, B. J.; Nevitt, M. C.; Zarnowski, J.; Joseph, G. B.; Feuerriegel, G.; Jungmann, P. M.; Guimaraes, J. B.; Facchetti, L.; McCulloch, C. E.; Link, T. M.	Weight loss regimen in obese and overweight individuals is associated with reduced cartilage degeneration: 96-month data from the Osteoarthritis Initiative	2019	not specific to patients with osteoarthritis. some were OA free at baseline
April, K. T.; Bisillon, J.; Welch, V.; Maxwell, L. J.; JÄ¼ni, P.; Rutjes, A. W. S.; Husni, M. E.; Vincent, J.; El Hindi, T.; Wells, G. A.; Tugwell, P.	Tramadol for osteoarthritis	2019	systematic review* References Reviewed
Lu, L.; Dai, C.; Zhang, Z.; Du, H.; Li, S.; Ye, P.; Fu, Q.; Zhang, L.; Wu, X.; Dong, Y.; Song, Y.; Zhao, D.; Pang, Y.; Bao, C.	Treatment of knee osteoarthritis with intra-articular injection of autologous adipose-derived mesenchymal progenitor cells: A prospective, randomized, double-blind, active-controlled, phase IIb clinical trial	2019	< 30 pts per group; n1 = 26, n2 = 26
Lv, Z. T.; Shen, L. L.; Zhu, B.; Zhang, Z. Q.; Ma, C. Y.; Huang, G. F.; Yin, J.; Yu, L. L.; Yu, S. Y.; Ding, M. Q.; Li, J.; Yuan, X. C.; He, W.; Jing, X. H.; Li, M.	Effects of intensity of electroacupuncture on chronic pain in patients with knee osteoarthritis: A randomized controlled trial	2019	followup < 4 weeks; 2 week maximum
Elik, H.; DoÄ?u, B.; YÄ±lmaz, F.; BegoÄ?lu, F. A.; Kuran, B.	Platelet rich plasma in osteoarthritis the efficiency of platelet rich plasma treatment in patients with knee osteoarthritis	2019	Sample Size too Small (n < 30 per group)
RÃos, C.; IrarrÃizaval, S.	Weight loss exclusively through diet for knee osteoarthritis	2019	systematic review* References Reviewed
Goh, S. L.; Persson, M. S. M.; Stocks, J.; Hou, Y.; Welton, N. J.; Lin, J.; Hall, M. C.; Doherty, M.; Zhang, W.	Relative Efficacy of Different Exercises for Pain, Function, Performance and Quality of Life in Knee and Hip Osteoarthritis: Systematic Review and Network Meta-Analysis	2019	systematic review* References Reviewed
Rodrigues da Silva, J. M.; de Rezende, M. U.; Spada, T. C.; da Silva Francisco, L.; Dos Santos, H. P.; de Andrade Souza, R.; Greve, J. M. D.; Ciolac, E. G.	Muscular and Functional Capacity in Subjects Under Treatment for Knee Osteoarthritis: Role of Physical Activity Status	2019	Sample Size too Small (n < 30 per group)
Chen, S. C.; Ding, S. B.; Xie, B. C.; Tian, H.; Lu, C. Y.	Are aquatic exercise efficacious in postmenopausal women with knee osteoarthritis? A meta-analysis of randomized controlled trials	2019	systematic review* References Reviewed
Charlesworth, J.; Fitzpatrick, J.; Perera, N. K. P.; Orchard, J.	Osteoarthritis- a systematic review of long-term safety implications for osteoarthritis of the knee	2019	systematic review
Tran, T. D. X.; Wu, C. M.; Dubey, N. K.; Deng, Y. H.; Su, C. W.; Pham, T. T.; Thi Le, P. B.; Sestili, P.; Deng, W. P.	Time-and kellgren-lawrence grade-dependent changes in intra-articularly transplanted stromal vascular fraction in osteoarthritic patients	2019	less than 30 patients per group

Jeong, H. S.; Lee, S. C.; Jee, H.; Song, J. B.; Chang, H. S.; Lee, S. Y.	Proprioceptive Training and Outcomes of Patients With Knee Osteoarthritis: A Meta-Analysis of Randomized Controlled Trials	2019	systematic review* References Reviewed
Teymouri, S.; Baghdar, H. N.; Yousefi, M.; Salari, R.	Analgesic herbal medicines in treatment of knee osteoarthritis: A systematic review	2019	systematic review* References Reviewed
Osani, M. C.; Vaysbrot, E. E.; Zhou, M.; McAlindon, T. E.; Bannuru, R. R.	Duration of Symptom Relief and Early Trajectory of Adverse Events for Oral NSAIDs in Knee Osteoarthritis: A Systematic Review and Meta-analysis	2019	systematic review* References Reviewed
Han, Y.; Huang, H.; Pan, J.; Lin, J.; Zeng, L.; Liang, G.; Yang, W.; Liu, J.	Meta-analysis Comparing Platelet-Rich Plasma vs Hyaluronic Acid Injection in Patients with Knee Osteoarthritis	2019	systematic review* References Reviewed
Paik, J.; Duggan, S. T.; Keam, S. J.	Triamcinolone Acetonide Extended-Release: A Review in Osteoarthritis Pain of the Knee	2019	systematic review
Aytekin, E.; Sukur, E.; Oz, N.; Telatar, A.; Eroglu Demir, S.; Sayiner Caglar, N.; Ozturkmen, Y.; Ozgonenel, L.	The effect of a 12 week prehabilitation program on pain and function for patients undergoing total knee arthroplasty: A prospective controlled study	2019	Irrelevant Topic: Total Knee Arthroplasty
Haj-Mirzaian, A.; Guermazi, A.; Pishgar, F.; Pourvaziri, A.; Roemer, F. W.; Sereni, C.; Hakky, M.; Zikria, B.; Stefanik, J. J.; Demehri, S.	Association of patella alta with worsening of patellofemoral osteoarthritis-related structural damage: data from the Osteoarthritis Initiative	2019	not specific to OA patients at baseline. OAI with or at risk of OA
Noori-Zadeh, A.; Bakhtiyari, S.; Khooz, R.; Haghani, K.; Darabi, S.	Intra-articular ozone therapy efficiently attenuates pain in knee osteoarthritic subjects: A systematic review and meta-analysis	2019	systematic review
Truong, T. T. T.; Lim, J. M.; Cho, H. R.; Kim, Y. S.; Dao, D. G.; Tran, Q. H.; Choi, J. S.	A Double-Blind, Randomized Controlled 12-Week Follow-Up Trial to Evaluate the Efficacy and Safety of Polycan in Combination with Glucosamine for the Treatment of Knee Osteoarthritis	2019	not relevant comparison
Vincent, P.	Intra-Articular Hyaluronic Acid in the Symptomatic Treatment of Knee Osteoarthritis: A Meta-Analysis of Single-Injection Products	2019	systematic review* References Reviewed
Arias-Vázquez, P. I.; Tovilla-Zárate, C. A.; Hernández-Díaz, Y.; González-Castro, T. B.; Juárez-Rojop, I. E.; López-Narváez, M. L.; Bermúdez-Ocaña, D. Y.; Barjau-Madrágal, H. A.; Legorreta-Ramírez, G.	Short-Term Therapeutic Effects of Ozone in the Management of Pain in Knee Osteoarthritis: A Meta-Analysis	2019	systematic review* References Reviewed

Steels, E.; Venkatesh, R.; Steels, E.; Vitetta, G.; Vitetta, L.	A double-blind randomized placebo controlled study assessing safety, tolerability and efficacy of palmitoylethanolamide for symptoms of knee osteoarthritis	2019	not relevant to pico question
Honvo, G.; Bruyère, O.; Geerinck, A.; Veronese, N.; Reginster, J. Y.	Efficacy of Chondroitin Sulfate in Patients with Knee Osteoarthritis: A Comprehensive Meta-Analysis Exploring Inconsistencies in Randomized, Placebo-Controlled Trials	2019	systematic review
Stathopoulos, N.; Dimitriadis, Z.; Koumantakis, G. A.	Effectiveness of Mulligan's Mobilization With Movement Techniques on Range of Motion in Peripheral Joint Pathologies: A Systematic Review With Meta-analysis Between 2008 and 2018	2019	systematic review* References Reviewed
Karp, J. F.; Zhang, J.; Wahed, A. S.; Anderson, S.; Dew, M. A.; Fitzgerald, G. K.; Weiner, D. K.; Albert, S.; Gildengers, A.; Butters, M.; Reynolds, C. F.	Improving Patient Reported Outcomes and Preventing Depression and Anxiety in Older Adults With Knee Osteoarthritis: Results of a Sequenced Multiple Assignment Randomized Trial (SMART) Study	2019	Sample Size too Small (n < 30 per group)
Hong, T.; Wang, H.; Li, G.; Yao, P.; Ding, Y.	Systematic Review and Meta-Analysis of 12 Randomized Controlled Trials Evaluating the Efficacy of Invasive Radiofrequency Treatment for Knee Pain and Function	2019	systematic review
Chen, Y. J.; Chen, C. T.; Liu, J. Y.; Shimizu Bassi, G.; Yang, Y. Q.	What Is the Appropriate Acupuncture Treatment Schedule for Chronic Pain? Review and Analysis of Randomized Controlled Trials	2019	systematic review
Goh, S. L.; Persson, M. S. M.; Stocks, J.; Hou, Y.; Lin, J.; Hall, M. C.; Doherty, M.; Zhang, W.	Efficacy and potential determinants of exercise therapy in knee and hip osteoarthritis: A systematic review and meta-analysis	2019	systematic review* References Reviewed
Vaishya, R.; Vijay, V.; Lama, P.; Agarwal, A.	Does vitamin D deficiency influence the incidence and progression of knee osteoarthritis? A literature review	2019	systematic review* References Reviewed
Gong, Z.; Liu, R.; Yu, W.; Wong, T. K. S.; Guo, Y.; Sun, Y.	Acupuncture for Knee Osteoarthritis Relief in the Elderly: A Systematic Review and Meta-Analysis	2019	systematic review
Xia, T.; Zhou, G.; Yao, C.; Zhang, C.; Shen, J.	Clinical study comparing shangke xiaoyan plaster with votalin for treatment of osteoarthritis	2019	less than 4 week follow up
Falck, R. S.; Best, J. R.; Li, L. C.; Chan, P. C. Y.; Feehan, L. M.; Liu-Ambrose, T.	Can we improve cognitive function among adults with osteoarthritis by increasing moderate-to-vigorous physical activity and reducing sedentary behaviour? Secondary analysis of the MONITOR-OA study	2018	less than 30 patients per group

Added, M. A. N.; Added, C.; Kasawara, K. T.; Rotta, V. P.; de Freitas, D. G.	Effects of a Knee Brace With a Patellar Hole Versus Without a Patellar Hole in Patients With Knee Osteoarthritis: A Double-Blind, Randomized Controlled Trial	2018	less than 4 week follow up and not relevant comparison
Persson, M. S. M.; Stocks, J.; Walsh, D. A.; Doherty, M.; Zhang, W.	The relative efficacy of topical non-steroidal anti-inflammatory drugs and capsaicin in osteoarthritis: a network meta-analysis of randomised controlled trials	2018	systematic review* References Reviewed
Wu, Z.; Ding, X.; Lei, G.; Zeng, C.; Wei, J.; Li, J.; Li, H.; Yang, T.; Cui, Y.; Xiong, Y.; Wang, Y.; Xie, D.	Efficacy and safety of the pulsed electromagnetic field in osteoarthritis: A meta-analysis	2018	systematic review* References Reviewed
Bricca, A.	Exercise does not 'wear down my knee': systematic reviews and meta-analyses	2018	systematic review* References Reviewed
Davidson, P. A.; Bland, D. S.; Henderson, M.	A systematic review of the treatment of knee osteoarthritis with intraarticular injection of mesenchymal stem cells	2018	systematic review* References Reviewed
Bridges, M.; Hilliard, J.; Chui, K.	Management of Conditions Associated with Aging and Older Adults Using Therapeutic Electromagnetic Energy: A Narrative Systematic Review	2018	systematic review* References Reviewed
Channell, J. S.; Schug, S.	Toxicity of tapentadol: A systematic review	2018	systematic review* References Reviewed
Al-Ghandour, A. E.	Management of medial compartment knee osteoarthritis with medial opening wedge tibial osteotomy	2018	less than 30 patients
Bagheri, S.; Ebadi, N.; Taghipour, Z.; Toliyat, T.; Mirabzadeh Ardakani, M.; Zargaran, A.	Persian medicine herbal therapies for osteoarthritis: A review of clinical trials	2018	systematic review -- references reviewed
Zhou, B.; Xiang, F.; Liu, L.; Wu, J.; Zhang, S.	Clinical efficacy analysis of knee arthralgia external washing prescription combined with acupuncture in treating senile knee osteoarthritis	2018	confounded treatment comparisons.
Zheng, S.; Wang, B.; Han, W.; Zhu, Z.; Wang, X.; Jin, X.; Antony, B.; Cicuttini, F.; Wluka, A.; Winzenberg, T.; Aitken, D.; Blizzard, L.; Jones, G.; Ding, C.	Vitamin D supplementation and inflammatory and metabolic biomarkers in patients with knee osteoarthritis: Post hoc analysis of a randomised controlled trial	2018	does not evaluate patient oriented outcomes
Safarpour, Y.; Jabbari, B.	Botulinum toxin treatment of pain syndromes – an evidence based review	2018	Irrelevant topic; non-osteoarthritis patients
Deng, Y. J.; Yuan, Y.; Ren, Y. M.; Li, Q.; Wang, D.; Yang, Y.; You, C.; Fang, R.; Zhao, D. M.	Differences between open-wedge versus closed-wedge high tibial osteotomy on clinical and radiological outcomes and adverse events	2018	systematic review* References Reviewed

Li, L. C.; Sayre, E. C.; Xie, H.; Falck, R. S.; Best, J. R.; Liu-Ambrose, T.; Grewal, N.; Hoens, A. M.; Noonan, G.; Feehan, L. M.	Efficacy of a Community-Based Technology-Enabled Physical Activity Counseling Program for People With Knee Osteoarthritis: Proof-of-Concept Study	2018	Sample Size too Small (n < 30 per group)
Phang, J. K.; Kwan, Y. H.; Goh, H.; Tan, V. I. C.; Thumboo, J.; Åstbye, T.; Fong, W.	Complementary and alternative medicine for rheumatic diseases: A systematic review of randomized controlled trials	2018	systematic review* References Reviewed
Nelson, A. E.	Osteoarthritis year in review 2017: clinical	2018	systematic review* References Reviewed
Guadagna, S.; Barattini, D. F.; Pricop, M.; RoÈ?u, È?	Oral hyaluronan for the treatment of knee osteoarthritis: A systematic review	2018	systematic review* References Reviewed
Zhang, Y. F.; Liu, H.	Clinical efficacy of knee arthroscopy in the treatment of degenerative knee osteoarthritis	2018	arthroscopic treatments not specific to those specified in pico question
Kabiri, F.; Hasanpour-Dehkordi, A.; Dris, F.	Effects of massage therapy and aromatherapy on fatigue in patients with knee osteoarthritis	2018	unclear if length of follow up was at least 4 weeks
Cundell, D. R.; Mickle, K. E.	Osteoarthritis: Potential for herbal medicines as therapies in the management of chronic inflammatory damage	2018	narrative review
Neelapala, Y. V. R.; Nayak, S.; Sivalanka, S.; Cornelio, R.; Prajapati, M.	Influence of isometric exercise on pressure pain sensitivity in knee osteoarthritis	2018	follow-up time under four weeks
Syed, S.; Chaudhary, M. A.; Noor, R.; Bashir, M. S.; Manzoor, B.	Comparison of patellar distraction with patellar glides in female patients with patellofemoral pain syndrome	2018	Irrelevant Topic: Patellar Distraction
Zhu, Q.; Huang, L.; Li, J.; Mao, L.; Zhang, Y.; Min, F.; Yu, L.	Effect of Taijiquan practice versus wellness education on knee proprioception in patients with knee osteoarthritis: a randomized controlled trial	2017	< 30 pts per group; n1 = 23, n2 = 23
Diao, N.; Yang, B.; Yu, F.	Effect of vitamin D supplementation on knee osteoarthritis: A systematic review and meta-analysis of randomized clinical trials	2017	systematic review* References Reviewed
Wang, Q.; Huang, S. Q.; Li, C. Q.; Xu, Q.; Zeng, Q. P.	Akkermansia muciniphila May Determine Chondroitin Sulfate Ameliorating or Aggravating Osteoarthritis	2017	non-systematic review. not relevant
Tripathi, R. K.; Vaidya, P. H.; Raote, S.; Desai, M. M.; Chawda, M. B.; Uchil, D.; Rege, N. N.	Efficacy and safety evaluation of myostaal forte, a polyherbal formulation, in treatment of knee osteoarthritis: A randomised controlled pilot study	2017	confounded treatment comparisons.
Li, M. H.; Xiao, R.; Li, J. B.; Zhu, Q.	Regenerative approaches for cartilage repair in the treatment of osteoarthritis	2017	narrative review

Wang, D.; Rodeo, S. A.	Platelet-rich plasma in orthopaedic surgery a critical analysis review	2017	narrative review
Lozada, C. J.; del Rio, E.; Reitberg, D. P.; Smith, R. A.; Kahn, C. B.; Moskowitz, R. W.	A double-blind, randomized, saline-controlled study of the efficacy and safety of co-administered intra-articular injections of Tr14 and Ze14 for treatment of painful osteoarthritis of the knee: The MOZArT trial	2017	not relevant to pico question
Zhang, Y. J.; Cao, H. J.; Li, X. L.; Yang, X. Y.; Lai, B. Y.; Yang, G. Y.; Liu, J. P.	Cupping therapy versus acupuncture for pain-related conditions: A systematic review of randomized controlled trials and trial sequential analysis	2017	systematic review
Sadoni, H.; Akhondzadeh, R.; Ghomeishi, A.	Comparison of the effect of intra-articular injection of methylprednisolone alone and in combination with combined ketamine in pain reduction in patients with knee osteoarthritis	2017	not relevant comparison
Hillinger, M. G.; Wolever, R. Q.; McKernan, L. C.; Elam, R.	Integrative Medicine for the Treatment of Persistent Pain	2017	narrative review
Philp, A. M.; Davis, E. T.; Jones, S. W.	Developing anti-inflammatory therapeutics for patients with osteoarthritis	2017	narrative review
Oikonomidis, S. A.; Simos, Y. V.; Toliopoulos, I. K.; Verginadis, I. I.; Oikonomidis, A. S.; Ragos, V. N.; Karkabounas, S. C.; Evangelou, A. M.; Peschos, D.	Oxidative stress incidence on the severity of knee osteoarthritis	2017	less than 30 patients per group
Navani, A.; Li, G.; Chrystal, J.	Platelet rich plasma in musculoskeletal pathology: A necessary rescue or a lost cause?	2017	systematic review* References Reviewed
Yang, G.; Su, Y.; Guo, Y.	Acupuncture like transcutaneous electrical nerve stimulation (Tens) on knee osteoarthritis (koa) with low pain: A pilot study	2017	case series; no relevant comparison group
Chevalier, X.; Conrozier, T.	Access to highly purified chondroitin sulfate for appropriate treatment of osteoarthritis: A review	2017	systematic review* References Reviewed
Modak, M. D.; Barde, M. P.	Efficacy of an Ayurvedic Formulation for Mild-to-moderate Osteoarthritis: A Phase 3, Randomized Controlled Study	2017	Sample Size too Small (n < 30 per group)
Datta, R.; Burina, L.; Romanelli, F.; Flaum, T. B.	Knee pain in adults with an osteopathic component	2017	narrative review
Gayathri, C. R.; Samuel, V.; Felix, J. W.; Nirmala, P.	Comparative analysis of efficacy and safety of diacerein versus S-adenosyl methionine in the management of osteoarthritis of knee joint	2017	not relevant comparison

Mistry, H.; Connock, M.; Pink, J.; Shyangdan, D.; Clar, C.; Royle, P.; Court, R.; Biant, L. C.; Metcalfe, A.; Waugh, N.	Autologous chondrocyte implantation in the knee: Systematic review and economic evaluation	2017	systematic review of topic not relevant to pico
Zhang, C.; Shi, J.; Zhu, C.; Xiang, T.; Yi, Z.; Kong, Y.	Effect of ultrasound therapy for knee osteoarthritis: A meta-analysis of randomized, double-blind, placebo-controlled clinical trials	2016	systematic review* References Reviewed
Murphy, S. L.; Robinson-Lane, S. G.; Niemic, S. L. S.	Knee and Hip Osteoarthritis Management: A Review of Current and Emerging Non-Pharmacological Approaches	2016	narrative review
Karst, M.; Fink, M.	Acupuncture-A biomedical information therapy: A translational analysis	2016	narrative review
Alper, B. S.; Malone-Moses, M.; Manheimer, E. W.	Evidence for clinical practice: Point-of-care application of: â??Efficacy and safety of ginger in osteoarthritis patients: A meta-analysis of randomized placebo-controlled trialsâ??	2016	systematic review* References Reviewed
Hofmann, J. F. X.; Lal, A.; Steffens, M.; Boettger, R.	Patient-relevant outcomes and health-related quality of life in patients with chronic, severe, noncancer pain treated with tapentadol prolonged release-Using criteria of health technology assessment	2016	review
Broderick, J. E.; Keefe, F. J.; Schneider, S.; Junghaenel, D. U.; Bruckenthal, P.; Schwartz, J. E.; Kaell, A. T.; Caldwell, D. S.; McKee, D.; Gould, E.	Cognitive behavioral therapy for chronic pain is effective, but for whom?	2016	KOA Population Unknown
Daily, J. W.; Yang, M.; Park, S.	Efficacy of Turmeric Extracts and Curcumin for Alleviating the Symptoms of Joint Arthritis: A Systematic Review and Meta-Analysis of Randomized Clinical Trials	2016	systematic review* References Reviewed
Alsaab, H.; Bonam, S. P.; Bahl, D.; Chowdhury, P.; Alexander, K.; Boddu, S. H. S.	Organogels in drug delivery: A special emphasis on organogels pluronic lecithin	2016	narrative review
Vaishya, R.; Pariyo, G. B.; Agarwal, A. K.; Vijay, V.	Non-operative management of osteoarthritis of the knee joint	2016	narrative review
Allen, K. D.; Choong, P. F.; Davis, A. M.; Dowsey, M. M.; Dzedzic, K. S.; Emery, C.; Hunter, D. J.; Losina, E.; Page, A. E.; Roos, E. M.; Skou, S. T.;	Osteoarthritis: Models for appropriate care across the disease continuum	2016	narrative review



Thorstensson, C. A.; van der Esch, M.; Whittaker, J. L.			
Sahebkar, A.; Henrotin, Y.	Analgesic efficacy and safety of curcuminoids in clinical practice: A systematic review and meta-analysis of randomized controlled trials	2016	systematic review
Kan, S. L.; Li, Y.; Ning, G. Z.; Yuan, Z. F.; Chen, L. X.; Bi, M. C.; Sun, J. C.; Feng, S. Q.	Tanezumab for Patients with Osteoarthritis of the Knee: A Meta-Analysis	2016	systematic review
Myers, S. P.; Mulder, A. M.; Baker, D. G.; Robinson, S. R.; Rolfe, M. I.; Brooks, L.; Fitton, J. H.	Effects of fucoidan from <i>Fucus vesiculosus</i> in reducing symptoms of osteoarthritis: A randomized placebo-controlled trial	2016	<80% OA of Knee; 64.6% Table 1
Moorthy, S.; Sudar Codi, R.; Surendher, R.; Manimekalai, K.	Comparison of the efficacy and safety of tramadol versus tapentadol in acute osteoarthritic knee pain: A randomized, controlled trial	2016	less than 4 week follow up
Wu, T.; Dong, Y.; Song, H. X.; Fu, Y.; Li, J. H.	Ultrasound-guided versus landmark in knee arthrocentesis: A systematic review	2016	systematic review* References Reviewed
Notarnicola, A.; Maccagnano, G.; Moretti, L.; Pesce, V.; Tafuri, S.; Fiore, A.; Moretti, B.	Methylsulfonylmethane and boswellic acids versus glucosamine sulfate in the treatment of knee arthritis: Randomized trial	2016	confounded treatment comparison. boswellic acid added to MSM group only
Knop, E.; De Paula, L. E.; Fuller, R.	Platelet-rich plasma for osteoarthritis treatment	2016	systematic review
Pelletier, J. P.; Martel-Pelletier, J.; Rannou, F.; Cooper, C.	Efficacy and safety of oral NSAIDs and analgesics in the management of osteoarthritis: Evidence from real-life setting trials and surveys	2016	narrative review
Zhou, K.; Fan, A. Y.; Wang, T.	Acupuncture for Chronic Knee Pain: A Critical Appraisal of an Australian Randomized Controlled Trial	2016	narrative review
Shim, J. W.; Jung, J. Y.; Kim, S. S.	Effects of Electroacupuncture for Knee Osteoarthritis: A Systematic Review and Meta-Analysis	2016	systematic review
Olagbegi, O. M.; Adegoke, B. O. A.; Odole, A.	Effectiveness of combined chain exercises on pain and function in patients with knee osteoarthritis	2016	less than 30 patients per group

Liu, C.; Su, Y.; He, J.; Li, Y.; Chen, S.; Zhang, Y.; Zhang, Z.; Lu, M.; He, Z.; Wang, W.; Wang, Y.; Sheng, L.; Zhan, Z.; Wang, X.; Zheng, N.	Using data mining approaches to select acupoints in acupuncture and moxibustion for knee osteoarthritis	2016	systematic review
Youkhana, S.; Dean, C. M.; Wolff, M.; Sherrington, C.; Tiedemann, A.	Yoga-based exercise improves balance and mobility in people aged 60 and over: A systematic review and meta-analysis	2016	systematic review
Wang, Y.; Xie, X.; Zhu, X.; Chu, M.; Lu, Y.; Tian, T.; Zhuang, X.; Jiang, L.	Fire-Needle Moxibustion for the Treatment of Knee Osteoarthritis: A Meta-Analysis	2016	systematic review
Cohen, E.; Lee, Y. C.	A Mechanism-Based Approach to the Management of Osteoarthritis Pain	2015	narrative review
Gill, L. E.; Bartels, S. J.; Batsis, J. A.	Weight management in older adults	2015	narrative review
Straube, S.; Derry, S.; Straube, C.; Moore, R. A.	Vitamin D for the treatment of chronic painful conditions in adults	2015	systematic review* References Reviewed
Karsdal, M. A.; Byrjalsen, I.; Alexandersen, P.; Bihlet, A.; Andersen, J. R.; Riis, B. J.; Bay-Jensen, A. C.; Christiansen, C.	Treatment of symptomatic knee osteoarthritis with oral salmon calcitonin: Results from two phase 3 trials	2015	not relevant treatment
Bennell, K. L.; Hinman, R. S.	Osteoarthritis: What is the evidence for valgus bracing effects in knee OA?	2015	narrative review
Kingsbury, S. R.; Tharmanathan, P.; Arden, N. K.; Batley, M.; Birrell, F.; Cocks, K.; Doherty, M.; Edwards, C. J.; Garrod, T.; Grainger, A. J.; Green, M.; Hewitt, C.; Hughes, R.; Moots, R.; O'Neill, T. W.; Roddy, E.; Scott, D. L.; Watt, F. E.; Torgerson, D. J.; Conaghan, P. G.	Pain reduction with oral methotrexate in knee osteoarthritis, a pragmatic phase iii trial of treatment effectiveness (PROMOTE): Study protocol for a randomized controlled trial	2015	trial protocol only
Souzdalnitski, D.; Narouze, S. N.; Lerman, I. R.; Calodney, A.	Platelet-rich plasma injections for knee osteoarthritis: Systematic review of duration of clinical benefit	2015	systematic review* References Reviewed
Nikniaz, Z.; Mahdavi, R.; Ostadrahimi, A.; Ebrahimi, A.; Nikniaz, L.; Vatankhah, A.	Effects of <i>Elaeagnus angustifolia</i> L. powder supplementation on serum total antioxidant capacity and malondialdehyde levels in females with knee osteoarthritis	2015	Sample Size too Small (n < 30 per group)
Liu, W. H.; Hao, Y.; Han, Y. J.; Wang, X. H.; Li, C.; Liu, W. N.	Analysis and Thoughts about the Negative Results of International Clinical Trials on Acupuncture	2015	systematic review

Raj, N. B.; Shokri, A. B.; Hashim, H. A.; Saha, S.; Ismail, M. B. S.; Liza, C. M.; Saha, S.	Effectiveness of electromyography biofeedback in common knee disorders-A review	2015	systematic review* References Reviewed
Williamson, O. D.; Schroer, M.; Ruff, D. D.; Ahl, J.; Margherita, A.; Sagman, D.; Wohlreich, M. M.	Onset of response with duloxetine treatment in patients with osteoarthritis knee pain and chronic low back pain: A post hoc analysis of placebo-controlled trials	2014	pooled analysis of previous studies
Grimmer, K.; Smith, C.; Kumar, S.	The effectiveness of self-management educational interventions for osteoarthritis of the knee	2014	systematic review* References Reviewed
Essex, M. N.; Brown, P. B.; Sands, G. H.	The efficacy of continuous versus intermittent celecoxib treatment in osteoarthritis patients aged <60 and ≥60 years	2014	KOA Population Unknown
Eriksen, P.; Bartels, E. M.; Altman, R. D.; Bliddal, H.; Juhl, C.; Christensen, R.	Risk of bias and brand explain the observed inconsistency in trials on glucosamine for symptomatic relief of osteoarthritis: A meta-analysis of placebo-controlled trials	2014	systematic review* References Reviewed
Koog, Y. H.; Lee, J. S.; Wi, H.	Clinically meaningful nocebo effect occurs in acupuncture treatment: A systematic review	2014	systematic review* References Reviewed
Broderick, J. E.; Keefe, F. J.; Bruckenthal, P.; Junghaenel, D. U.; Schneider, S.; Schwartz, J. E.; Kaell, A. T.; Caldwell, D. S.; McKee, D.; Reed, S.; Gould, E.	Nurse practitioners can effectively deliver pain coping skills training to osteoarthritis patients with chronic pain: A randomized, controlled trial	2014	<80% OA of Knee; 77.4% Table 1
Sit, R. W. S.; Liu, S.; Chung, V. C. H.	Medical Synopsis: Are pulsed electromagnetic fields effective in managing osteoarthritis of the knee as compared to placebo?	2014	editorial summary of another systematic review
Lee, Y. H. D.; Suzer, F.; Thermann, H.	Autologous Matrix-Induced Chondrogenesis in the Knee: A Review	2014	review of not relevant treatment
Moraes, V. Y.; Lenza, M.; Tamaoki, M. J.; Faloppa, F.; Belloti, J. C.	Platelet-rich therapies for musculoskeletal soft tissue injuries	2013	systematic review* References Reviewed

Hiligsmann, M.; Cooper, C.; Arden, N.; Boers, M.; Branco, J. C.; Luisa Brandi, M.; Bruyère, O.; Guillemin, F.; Hochberg, M. C.; Hunter, D. J.; Kanis, J. A.; Kvien, T. K.; Laslop, A.; Pelletier, J. P.; Pinto, D.; Reiter-Niesert, S.; Rizzoli, R.; Rovati, L. C.; Severens, J. L. H.; Silverman, S.; Tsouderos, Y.; Tugwell, P.; Reginster, J. Y.	Health economics in the field of osteoarthritis: An Expert's consensus paper from the European Society for Clinical and Economic Aspects of Osteoporosis and Osteoarthritis (ESCEO)	2013	review
Nourissat, G.; Mainard, D.; Kelberine, F.	Current concept for the use of PRP in arthroscopic surgery	2013	not relevant narrative review for conditons other than OA
Smith, T. O.; Davies, L.; Jepson, J.; Hosny, S.; Hing, C. B.	Activity pacing education for people with osteoarthritis: A systematic review of the current evidence-base	2013	systematic review* References Reviewed
Metcalf, K. B.; Mandelbaum, B. R.; McIlwraith, C. W.	Application of Platelet-Rich Plasma to Disorders of the Knee Joint	2013	non-systematic review
Roubille, C.; Pelletier, J. P.; Martel-Pelletier, J.	New and emerging treatments for osteoarthritis management: Will the dream come true with personalized medicine?	2013	narrative review
Choubey, J.; Patel, A.; Verma, M. K.	Phytotherapy in the treatment of arthritis: A review	2013	narrative review
Kosek, E.; Roos, E. M.; Ageberg, E.; Nilsson, A.	Increased pain sensitivity but normal function of exercise induced analgesia in hip and knee osteoarthritis - treatment effects of neuromuscular exercise and total joint replacement	2013	compared to healthy controls
Essex, M. N.; Zhang, R. Y.; Berger, M. F.; Upadhyay, S.; Park, P. W.	Safety of celecoxib compared with placebo and non-selective NSAIDs: Cumulative meta-analysis of 89 randomized controlled trials	2013	systematic review
Cao, Y.; Winzenberg, T.; Nguo, K.; Lin, J.; Jones, G.; Ding, C.	Association between serum levels of 25-hydroxyvitamin D and osteoarthritis: A systematic review	2013	systematic review. most studies were observational and didn't evaluate vitamin d supplementation. only 2 intervention RCTs included, but both were only reported as abstracts
Zawadzki, M.; Janosch, C.; Szechinski, J.	Perna canaliculus lipid complex PCSO-524 demonstrated pain relief for osteoarthritis patients benchmarked against fish oil, a randomized trial, without placebo control	2013	< 30 pts per group; n1 = 25, n2 =25
Jensen, M. P.; Wang, W.; Potts, S. L.; Gould, E. M.	The meaning of global outcome measures in pain clinical trials: More than just change in pain intensity	2013	unclear if patient population was 80% knee OA

Espejo-antónnez, L.; Cardero-durán, M. A.; Garrido-ardila, E. M.; Torres-piles, S.; Caro-puertolas, B.	Clinical effectiveness of mud pack therapy in knee osteoarthritis	2013	systematic review* References reviewed
Howard, J. S.; Lattermann, C.; Hoch, J. M.; Mattacola, C. G.; Medina McKeon, J. M.	Comparing Responsiveness of Six Common Patient-Reported Outcomes to Changes Following Autologous Chondrocyte Implantation: A Systematic Review and Meta-Analysis of Prospective Studies	2013	not relevant systematic review
Pergolizzi, J. V.; Raffa, R. B.; Taylor, R.; Rodriguez, G.; Nalamachu, S.; Langley, P.	A Review of Duloxetine 60mg Once-Daily Dosing for the Management of Diabetic Peripheral Neuropathic Pain, Fibromyalgia, and Chronic Musculoskeletal Pain Due to Chronic Osteoarthritis Pain and Low Back Pain	2013	narrative review
de Windt, T. S.; Vonk, L. A.; Brittberg, M.; Saris, D. B.	Treatment and Prevention of (Early) Osteoarthritis Using Articular Cartilage Repair??Fact or Fiction? A Systematic Review	2013	not relevant systematic review
Perrot, S.; Bertin, P.	Feeling better or "feeling well" in usual care of hip and knee osteoarthritis pain: Determination of cutoff points for patient acceptable symptom state (PASS) and minimal clinically important improvement (MCII) at rest and on movement in a national multicenter cohort study of 2414 patients with painful osteoarthritis	2013	KOA Population < 80%
Clijisen, R.; Taeymans, J.; Baeyens, J. P.; Barel, A. O.; Clarys, P.	The effects of iontophoresis in the treatment of musculoskeletal disorders - a systematic review and meta-analysis	2012	systematic review* References Reviewed
Taylor Jr, R.; Raffa, R. B.; Pergolizzi Jr, J. V.	Controlled release formulation of oxycodone in patients with moderate to severe chronic osteoarthritis: A critical review of the literature	2012	systematic review* References Reviewed
Macfarlane, G. J.; Paudyal, P.; Doherty, M.; Ernst, E.; Lewith, G.; MacPherson, H.; Sim, J.; Jones, G. T.	A systematic review of evidence for the effectiveness of practitioner-based complementary and alternative therapies in the management of rheumatic diseases: Osteoarthritis	2012	systematic review
Hsieh, R. L.; Lo, M. T.; Lee, W. C.; Liao, W. C.	Therapeutic effects of short-term monochromatic infrared energy therapy on patients with knee osteoarthritis: A double-blind, randomized, placebo-controlled study	2012	<30 patients per group
Strand, V.; Baraf, H. S. B.; Lavin, P. T.; Lim, S.; Hosokawa, H.	Effectiveness and Safety of a Multicenter Extension and Retreatment Trial of Gel-200 in Patients with Knee Osteoarthritis	2012	all groups get same intervention

Kertia, N.; Asdie, A. H.; Rochmah, W.; Marsetyawan,	Comparison of the effects of curcuminoid from Curcuma domestica Val. rhizome extract and diclofenac sodium on the liver function of patients with osteoarthritis	2012	no patient oriented efficacy outcomes
Huelin, R.; Pokora, T.; Foster, T. S.; Mould, J. F.	Economic outcomes for celecoxib: A systematic review of pharmacoeconomic studies	2012	systematic review* References Reviewed
Mick, G.; Correa-Illanes, G.	Topical pain management with the 5 lidocaine medicated plaster a review	2012	systematic review* References Reviewed
Frakes, E.; Risser, R.; Ball, T.; Hochberg, M.; Wohlreich, M.	Erratum: Duloxetine added to nonsteroidal antiinflammatory drugs for treatment of knee pain due to osteoarthritis: Results of a randomized, double-blind, placebo-controlled trial (Current Medical Research and Opinion (2011) 27:12 (1-12))	2012	not a full text article
Tuncer, T.; Akyay, H. F.; Kaşar, C.; Altan, L.; Atik, O. S.; Aydin, A. T.; Figen Ayhan, F.; Örekçi Yanik, B.; Durmaz, B.; Eskiuyurt, N.; Genç, H.; Gökçe Kutsal, Y.; Gönaydin, R.; Hepgüler, S.; Hizmetli, S.; Kaya, T.; Kurtai, Y.; İmez, N.; Saridoğan, M.; Sindel, D.; Sonel Tur, B.; Sıtbeyaz, S.; Öendur, O. F.; Uçşurlu, H.; Nıl, Z.	Evidence-based recommendations for the management of knee osteoarthritis: A consensus report of the Turkish league against rheumatism	2012	systematic review
Tejedor Varillas, A.; León Vázquez, F.; Lora Pablos, D.; Pérez Martín, A.; Vargas Negrán, F.; Gómez De La Cijmara, A.	Can an intervention on clinical inertia have an impact on the perception of pain, functionality and quality of life in patients with hip and/or knee osteoarthritis? Results from a cluster randomised trial	2012	not relevant. study is of physician education intervention, not patient education
Hochberg, M. C.; Wohlreich, M.; Gaynor, P.; Hanna, S.; Risser, R.	Clinically relevant outcomes based on analysis of pooled data from 2 trials of duloxetine in patients with knee osteoarthritis	2012	narrative review
Citrome, L.; Weiss-Citrome, A.	A systematic review of duloxetine for osteoarthritic pain: What is the number needed to treat, number needed to harm, and likelihood to be helped or harmed?	2012	systematic review* References Reviewed
Karvannan, H.; Maiya, A. G.; Chakravarty, R. D.; Prem, V.; Nafeez, S.; Karthikbabu, S.; Rajasekar, S.	Effectiveness of behavior graded activity on exercise adherence and physical activity in hip and knee osteoarthritis - A systematic review	2012	systematic review
Citrome, L.; Weiss-Citrome, A.	Antidepressants and the relief of osteoarthritic pain - Findings from a study examining adjunctive duloxetine	2012	summary of previously done trial

Chahal, J.; GÃ³mez-AristizÃ¡bal, A.; Shestopaloff, K.; Bhatt, S.; Chaboureau, A.; Fazio, A.; Chisholm, J.; Weston, A.; Chiovitti, J.; Keating, A.; Kapoor, M.; Ogilvie-Harris, D. J.; Syed, K. A.; Gandhi, R.; Mahomed, N. N.; Marshall, K. W.; Sussman, M. S.; Naraghi, A. M.; Viswanathan, S.	Bone Marrow Mesenchymal Stromal Cell Treatment in Patients with Osteoarthritis Results in Overall Improvement in Pain and Symptoms and Reduces Synovial Inflammation	2019	case series and less than 30 patients
Rolle, N. A.; Jan, I.; Sibbitt, W. L.; Band, P. A.; Haseler, L. J.; Hayward, W. A.; Muruganandam, M.; Emil, N. S.; Fangtham, M.; Bankhurst, A. D.	Extractable synovial fluid in inflammatory and non-inflammatory arthritis of the knee	2019	Irrelevant Topic: Rheumatoid Arthritis
Shorter, E.; Sannicandro, A. J.; Poulet, B.; Goljanek-Whysall, K.	Skeletal Muscle Wasting and Its Relationship With Osteoarthritis: a Mini-Review of Mechanisms and Current Interventions	2019	narrative review
Runhaar, J.; Beavers, D. P.; Miller, G. D.; Nicklas, B. J.; Loeser, R. F.; Bierma-Zeinstra, S.; Messier, S. P.	Inflammatory cytokines mediate the effects of diet and exercise on pain and function in knee osteoarthritis independent of BMI	2019	duplicate data
Suzuki, Y.; Iijima, H.; Shimoura, K.; Tsuboyama, T.; Aoyama, T.	Patients with early-stage knee osteoarthritis and knee pain have decreased hip abductor muscle strength while descending stairs	2019	Irrelevant Topic: Muscle Strength
Bacon, K. L.; Segal, N. A.; Å?iestad, B. E.; Lewis, C. E.; Nevitt, M. C.; Brown, C.; Felson, D. T.	Concurrent Change in Quadriceps Strength and Physical Function Over Five Years in the Multicenter Osteoarthritis Study	2019	not specific to patients with OAK at baseline
Doshi, R.; Ostrovsky, D.	Glucosamine may be Effective in Treating Pain due to Knee Osteoarthritis	2019	summary of previously published review publication
Preece, S. J.; Algarni, A. S.; Jones, R. K.	Trunk flexion during walking in people with knee osteoarthritis	2019	compared to healthy controls
Teo, P. L.; Hinman, R. S.; Egerton, T.; Dziedzic, K. S.; Bennell, K. L.	Identifying and Prioritizing Clinical Guideline Recommendations Most Relevant to Physical Therapy Practice for Hip and/or Knee Osteoarthritis	2019	Irrelevant Topic: Identifying Clinical Guideline Recommendations
Marcheggiani Muccioli, G. M.; Fratini, S.; Cammisa, E.; Vaccari, V.; Grassi, A.; Bragonzoni, L.; Zaffagnini, S.	Lateral Closing Wedge High Tibial Osteotomy for Medial Compartment Arthrosis or Overload	2019	narrative review

Lorbergs, A. L.; Birmingham, T. B.; Primeau, C. A.; Atkinson, H. F.; Marriott, K. A.; Giffin, J. R.	Improved Methods to Measure Outcomes After High Tibial Osteotomy	2019	narrative review
Day, M.; Wolf, B. R.	Medial Opening-Wedge High Tibial Osteotomy for Medial Compartment Arthrosis/Overload	2019	narrative review
Maghbooli, Z.; Hossein-nezhad, A.; Khoshechin, G.; Niketeghad, G.; Moradi, S.; Adabi, E.; Malekhosseini, S. A. A.	Possible association between circulating CTRP3 and knee osteoarthritis in postmenopausal women	2019	not relevant. compares to healthy controls
Li, J.; Li, Y. X.; Luo, L. J.; Ye, J.; Zhong, D. L.; Xiao, Q. W.; Zheng, H.; Geng, C. M.; Jin, R. J.; Liang, F. R.	The effectiveness and safety of acupuncture for knee osteoarthritis: An overview of systematic reviews	2019	systematic review* References Reviewed
Filippiadis, D.; Charalampopoulos, G.; Mazioti, A.; Alexopoulou, E.; Vrachliotis, T.; Brountzos, E.; Kelekis, N.; Kelekis, A.	Interventional radiology techniques for pain reduction and mobility improvement in patients with knee osteoarthritis	2019	Irrelevant Topic: Interventional Radiology Techniques
Hassan, W. A.; Mansour, A. I.	Increased serum and synovial levels of midkine are associated with radiological progression in primary knee osteoarthritis patients	2019	not relevant comparison for pico question
Losina, E.; Smith, K. C.; Paltiel, A. D.; Collins, J. E.; Suter, L. G.; Hunter, D. J.; Katz, J. N.; Messier, S. P.	Cost-Effectiveness of Diet and Exercise for Overweight and Obese Patients With Knee Osteoarthritis	2019	duplicate publication
Lundstrom, Z. T.; Sytsma, T. T.; Greenlund, L. S.	Rethinking Viscosupplementation: Ultrasound- Versus Landmark-Guided Injection for Knee Osteoarthritis	2019	Retrospective Non-Comparative Case Series
Conrozier, T.	How to treat osteoarthritis in obese patients?	2019	narrative review
Kim, T. W.; Lee, S. H.; Lee, J. Y.; Lee, Y. S.	Effect of Fibular Height and Lateral Tibial Condylar Geometry on Lateral Cortical Hinge Fracture in Open Wedge High Tibial Osteotomy	2019	no relevant comparison
Lee, O. S.; Lee, S. H.; Mok, S. J.; Lee, Y. S.	Comparison of the regeneration of cartilage and the clinical outcomes after the open wedge high tibial osteotomy with or without microfracture: A retrospective case control study	2019	no relevant comparison
Chang, A. H.; Chmiel, J. S.; Almagor, O.; Hayes, K. W.; Guermazi, A.; Prasad, P. V.; Moisio, K. C.; Zhang, Y.; Szymaszek, J.; Sharma, L.	Hip muscle strength and protection against structural worsening and poor function and disability outcomes in knee osteoarthritis	2019	not relevant to pico. more of a prognostic study



Iijima, H.; Aoyama, T.; Eguchi, R.; Takahashi, M.; Matsuda, S.	Effects of interaction between varus thrust and ambulatory physical activity on knee pain in individuals with knee osteoarthritis: an exploratory study with 12-month follow-up	2019	Biomechanical Study
Bernetti, A.; Mangone, M.; Villani, C.; Alviti, F.; Valeo, M.; Grassi, M. C.; Migliore, A.; Viora, U.; Adriani, E.; Quirino, N.; Fioravanti, A.; Paoloni, M.	Appropriateness of clinical criteria for the use of symptomatic slow-acting drug for osteoarthritis (SYSADOA). A Delphi method consensus initiative among experts in Italy	2019	consensus statements
Gowd, A. K.; Lalehzarian, S. P.; Liu, J. N.; Agarwalla, A.; Christian, D. R.; Forsythe, B.; Cole, B. J.; Verma, N. N.	Factors Associated With Clinically Significant Patient-Reported Outcomes After Primary Arthroscopic Partial Meniscectomy	2019	no relevant comparison group
Dunlop, D. D.; Song, J.; Hootman, J. M.; Nevitt, M. C.; Semanik, P. A.; Lee, J.; Sharma, L.; Eaton, C. B.; Hochberg, M. C.; Jackson, R. D.; Kwok, C. K.; Chang, R. W.	One Hour a Week: Moving to Prevent Disability in Adults With Lower Extremity Joint Symptoms	2019	not an intervention study
Rasheed, N.; Hafeez, K.; Zaidi, I. H.; Askari, R.; Rasheed, N.; Khani, G. M. K.	Role of platelet-rich plasma in early osteoarthritis of knee joint: Experience from a tertiary care center in Pakistan	2019	no relevant comparison
Parween, R.; Shriram, D.; Mohan, R. E.; Lee, Y. H. D.; Subburaj, K.	Methods for evaluating effects of unloader knee braces on joint health: a review	2019	not relevant narrative review
Mirmaroofti, N.; Ghahramanian, A.; Behshid, M.; Jabbarzadeh, F.; Onyeka, T. C.; Asghari-Jafarabadi, M.; Ganjpour-Sales, J.	Relationship between self-efficacy and pain control in Iranian women with advanced knee osteoarthritis	2019	cross-sectional
Zeng, C.; Dubreuil, M.; Laroche, M. R.; Lu, N.; Wei, J.; Choi, H. K.; Lei, G.; Zhang, Y.	Association of Tramadol with All-Cause Mortality among Patients with Osteoarthritis	2019	not specific to oak
Sardana, V.; Burzynski, J. M.; Stone, N.; Weening, B. S.; Zalzal, P. K.	Short-term functional outcomes of computer assisted navigated high tibial osteotomy	2019	no relevant within study comparison
Wilcox, C. L.; Kelsberg, G.; Safranek, S.; Neher, J. O.	Q Is intra-articular platelet-rich plasma injection an effective treatment for knee OA?	2019	systematic review* References reviewed
Smith, R. D.; Dziedzic, K. S.; Quicke, J. G.; Holden, M. A.; McHugh, G. A.; Healey, E. L.	Identification and Evaluation of Self-Report Physical Activity Instruments in Adults With Osteoarthritis: A Systematic Review	2019	not relevant systematic review

Jayabalan, P.; Kocherginsky, M.; Chang, A. H.; Rouleau, G. W.; Koloms, K. L.; Lee, J.; Dunlop, D.; Chang, R. W.; Sharma, L.	Physical Activity and Worsening of Radiographic Findings in Persons With or at Higher Risk of Knee Osteoarthritis	2019	not an intervention study
Chitnis, A. S.; Etter, K.; Holy, C. E.; Gray, F. S.; Manalac, F. J.; Bisson, B.; Bhattacharyya, S. K.	Real-world impact of the high concentration non-avian high molecular weight hyaluronan on pain medication use among osteoarthritis patients	2019	retrospective study
Liu, S. C.; Qiao, X. F.; Tang, Q. X.; Li, X. G.; Yang, J. H.; Wang, T. Q.; Xiao, Y. J.; Qiao, J. M.	A retrospective study of acupuncture as an adjunctive therapy to topical ibuprofen for chronic knee pain due to osteoarthritis	2019	retrospective study
Miller, L. E.	Towards reaching consensus on hyaluronic acid efficacy in knee osteoarthritis	2019	brief
Murphy, C. A.; Garg, A. K.; Silva-Correia, J.; Reis, R. L.; Oliveira, J. M.; Collins, M. N.	The Meniscus in Normal and Osteoarthritic Tissues: Facing the Structure Property Challenges and Current Treatment Trends	2019	literature review
Verhagen, A. P.; Ferreira, M.; Reijneveld-van de Vendel, E. A. E.; Teirlinck, C. H.; Runhaar, J.; van Middelkoop, M.; Hermsen, L.; de Groot, I. B.; Bierma-Zeinstra, S. M. A.	Do we need another trial on exercise in patients with knee osteoarthritis?: No new trials on exercise in knee OA	2019	systematic review* References Reviewed
Zeitlinger, L.; Kopinski, J.; Dipasquale, T.	Genicular nerve ablation: A systematic review of procedure outcomes for chronic knee pain	2019	systematic review; bib reviewed
Havryliuk, H.; Khimion, L.	Platelet autologous plasma in post-traumatic knee osteoarthritis treatment	2019	irrelevant diagnosis: post-traumatic OA
Bannuru, R. R.; Osani, M. C.; Vaysbrot, E. E.; Arden, N. K.; Bennell, K.; Bierma-Zeinstra, S. M. A.; Kraus, V. B.; Lohmander, L. S.; Abbott, J. H.; Bhandari, M.; Blanco, F. J.; Espinosa, R.; Haugen, I. K.; Lin, J.; Mandl, L. A.; Moilanen, E.; Nakamura, N.; Snyder-Mackler, L.; Trojian, T.; Underwood, M.; McAlindon, T. E.	OARSI guidelines for the non-surgical management of knee, hip, and polyarticular osteoarthritis	2019	systematic review* References Reviewed

Jarl, G.; Hellstrand Tang, U.; NordÅ©n, E.; Johannesson, A.; Rusaw, D. F.	Nordic clinical guidelines for orthotic treatment of osteoarthritis of the knee: A systematic review using the AGREE II instrument	2019	systematic review* References Reviewed
Liu, J. N.; Gowd, A. K.; Redondo, M. L.; Christian, D. R.; Cabarcas, B. C.; Yanke, A. B.; Cole, B. J.	Establishing Clinically Significant Outcomes After Meniscal Allograft Transplantation	2019	not relevant to pico
Di Matteo, B.; El Araby, M. M.; D'Angelo, A.; Iacono, F.; Nannini, A.; Vitale, N. D.; Marcacci, M.; Respizzi, S.; Kon, E.	Adipose-Derived Stem Cell Treatments and Formulations	2019	systematic review
Le, A. D. K.; Enweze, L.; DeBaun, M. R.; Drago, J. L.	Platelet-Rich Plasma	2019	systematic review
Duerr, R. A.; Ackermann, J.; Gomoll, A. H.	Amniotic-Derived Treatments and Formulations	2019	systematic review
Kucia, H. J.; Malec-Milewska, M.; SĘ©kowska, A.	Radiofrequency - An interventional method of chronic pain treatment: Mechanisms of analgesic action, indications and application in selected pain syndromes	2019	narrative review
Schiphof, D.; Runhaar, J.; Waarsing, J. H.; van Spil, W. E.; van Middelkoop, M.; Bierma-Zeinstra, S. M. A.	The clinical and radiographic course of early knee and hip osteoarthritis over 10 years in CHECK (Cohort Hip and Cohort Knee)	2019	not relevant to pico
Steinmeyer, J.; Bock, F.; StÄ¶ve, J.; Jerosch, J.; Flechtenmacher, J.	Pharmacological treatment of knee osteoarthritis: Special considerations of the new German guideline	2018	narrative review
Song, J.; Dunlop, D. D.; Semanik, P. A.; Chang, A. H.; Lee, Y. C.; Gilbert, A. L.; Jackson, R. D.; Chang, R. W.; Lee, J.	Reallocating time spent in sleep, sedentary behavior and physical activity and its association with pain: a pilot sleep study from the Osteoarthritis Initiative	2018	not an intervention study
Ariani, A.; Parisi, S.; Guidelli, G. M.; Bardelli, M.; Bertini, A.; Fusaro, E.	Short-term effect of topical cetylated fatty acid on early and advanced knee osteoarthritis: A multi-center study	2018	groups categorized by KL groups
Henrotin, Y.; Mobasher, A.	Natural Products for Promoting Joint Health and Managing Osteoarthritis	2018	literature review
Veronese, N.; La Tegola, L.; Mattera, M.; Maggi, S.; Guglielmi, G.	Vitamin D Intake and Magnetic Resonance Parameters for Knee Osteoarthritis: Data from the Osteoarthritis Initiative	2018	irrelevant topic; cartilage thickness

Fenton, S. A. M.; Neogi, T.; Dunlop, D.; Nevitt, M.; Doherty, M.; Duda, J. L.; Klocke, R.; Abhishek, A.; Rushton, A.; Zhang, W.; Lewis, C. E.; Torner, J.; Kitas, G.; White, D. K.	Does the intensity of daily walking matter for protecting against the development of a slow gait speed in people with or at high risk of knee osteoarthritis? An observational study	2018	not an intervention study
Parker, D. A.; Scholes, C.; Neri, T.	Non-operative treatment options for knee osteoarthritis: Current concepts	2018	non-systematic review
Hamza, M.; Nadeem, I. A.; Fatima, N.	Localized injection of streptomycin, kenacort and lidocaine combination for symptomatic pain management of knee osteoarthritis	2018	case series; no comparison group
Sardana, V.; Burzynski, J.; Hasan, K.; Zalzal, P.	Are non-steroidal anti-inflammatory drug injections an alternative to steroid injections for musculoskeletal pain?: A systematic review	2018	systematic review
Tassara, M.; De Ponti, A.; Barzizza, L.; Zambelli, M.; Parisi, C.; Milani, R.; Santoleri, L.	Autologous conditioned serum (ACS) for intra-articular treatment in Osteoarthritis: Retrospective report of 28 cases	2018	case series and less than 30 patients
Frediani, B.; Giusti, A.; Bianchi, G.; Dalle Carbonare, L.; Malavolta, N.; Cantarini, L.; Saviola, G.; Molfetta, L.	Clodronate in the management of different musculoskeletal conditions	2018	systematic review* References Reviewed
Raj, N. B.; Saha, S.; Shokri, A. A.; Saha, S.; Razali, H.; Othman, N. Y. H.; Mahadeva Rao, U. S.	Impact of isokinetic training on pain in patients with knee osteoarthritis-a meta-analysis	2018	systematic review* References Reviewed
Fenocchi, L.; Riskowski, J. L.; Mason, H.; Hendry, G. J.	A systematic review of economic evaluations of conservative treatments for chronic lower extremity musculoskeletal complaints	2018	systematic review* References Reviewed
Khan, M.; Bhandari, M.	Cochrane in CORR®: Intra-articular corticosteroid for knee osteoarthritis	2018	narrative review
Babaskin, D. V.; Litvinova, T. M.; Babaskina, L. I.; Okonenko, T. I.; Romyantsev, Y. Y.	Competitive advantages of the rehabilitation methods under development as a strategic factor of their introduction efficiency (Through the example of phytocomplex SMC-electrophoresis)	2018	insufficient analysis to answer pico question
Asalman, I.; Alardi, I. M.	The long-term result of partial arthroscopic meniscectomy in a traumatic meniscus tear	2018	no control group
D'Gaspar, D.; Bains, B. S.; Sadeghi, H.; Kumar, P.	Comparing Exercise Prescription Methods in Knee Osteoarthritis Patients in Malaysia	2018	not relevant comparison

Pontes, C.; Marsal, J. R.; Elorza, J. M.; Arag�n, M.; Prieto-Alhambra, D.; Morros, R.	Analgesic Use and Risk for Acute Coronary Events in Patients With Osteoarthritis: A Population-based, Nested Case-control Study	2018	not specific to oak
Rasmussen, S.	NSAIDs are superior to paracetamol for osteoarthritic pain and function in a network meta-analysis	2018	systematic review* References Reviewed
Tr�pistaru, R.; Alexandru, D. O.; Kamal, D.; Kamal, K. C.; Rogoveanu, O.	The role of herbal extracts in knee osteoarthritis females rehabilitation	2018	case series
Veronese, N.; Koyanagi, A.; Stubbs, B.; Cooper, C.; Guglielmi, G.; Rizzoli, R.; Punzi, L.; Rogoli, D.; Caruso, M. G.; Rotolo, O.; Notarnicola, M.; Al-Daghri, N.; Smith, L.; Reginster, J. Y.; Maggi, S.	Mediterranean diet and knee osteoarthritis outcomes: A longitudinal cohort study	2018	No true control group - only low adherence vs high adherence
Dulitsky, E. L.	Ozone application possibilities in complex treatment of patients with knee joint osteoarthrosis	2018	pain outcomes not reported
Yang, M.; Jiang, L.; Wang, Q.; Chen, H.; Xu, G.	Traditional Chinese medicine for knee osteoarthritis: An overview of systematic review	2017	review of other systematic reviews
McIntyre, L. F.; Beach, W.; Bhattacharyya, S.; Yadalam, S.; Bisson, B.; Kim, M.	Impact of hyaluronic acid injections on utilization of pain management medications	2017	case series
Xing, D.; Wang, B.; Zhang, W.; Yang, Z.; Hou, Y.; Chen, Y.; Lin, J.	Intra-articular platelet-rich plasma injections for knee osteoarthritis: An overview of systematic reviews and risk of bias considerations	2017	systematic review* References Reviewed
Aquili, A.; Farinelli, L.; Bottegoni, C.; Antonicelli, L.; Gigante, A.	The effect of anti-IgE therapy in knee osteoarthritis: A pilot observational study	2017	abstract
Imran, A.; Akhtar, S.; Khattak, S.; Hussain, A.	Mean pain score reduction following intra-articular injection of autologous platelet rich plasma in early knee joint osteoarthritis	2017	unclear followup time
Akpancar, S.; Seven, M. M.; Tuzun, H. Y.; Gurer, L.; Ekinici, S.	Current concepts of prolotherapy in orthopedic surgery	2017	literature review
Agiba, A. M.	Nutraceutical formulations containing glucosamine and chondroitin sulphate in the treatment of osteoarthritis: Emphasis on clinical efficacy and formulation challenges	2017	non-systematic review
Zou, G.; Lan, W.; Zeng, Y.; Xie, J.; Chen, S.; Qiu, Y.	Early clinical effect of proximal fibular osteotomy on knee osteoarthritis	2017	inadequate quality. small univariate analysis with little study design info presented

Heger, R.; Paulsen, G.; Fickert, U.; Kresmann, M.	Open-label study of initial and repeat treatment cycles of hylan GF 20 in patients with symptomatic knee osteoarthritis	2016	no comparison group
Rodriguez-Merchan, E. C.	Conservative treatment of acute knee osteoarthritis: A review of the Cochrane Library	2016	systematic review
Mills, K. A. G.; Naylor, J. M.; Eyles, J. P.; Roos, E. M.; Hunter, D. J.	Examining the minimal important difference of patient-reported outcome measures for individuals with knee osteoarthritis: A model using the knee injury and osteoarthritis outcome score	2016	study of MID, not intervention
Lohmander, L. S.; Thorlund, J. B.; Roos, E. M.	Routine knee arthroscopic surgery for the painful knee in middle-aged and old patients - Time to abandon ship	2016	editorial
Miraj, S.; keivani, Z.	Pharmacological effect of Actiumlappa: A review study	2016	narrative review
Chang, W. D.; Chen, S.; Lee, C. L.; Lin, H. Y.; Lai, P. T.	The Effects of Tai Chi Chuan on Improving Mind-Body Health for Knee Osteoarthritis Patients: A Systematic Review and Meta-Analysis	2016	systematic review
Iversen, M. D.	Cohort study: Study results suggest a positive effect of light-to-moderate physical activity on disability among those with or at risk of knee arthritis	2015	commentary
Elkins, M.	Light intensity physical activity is associated with lower disability in adults with or at risk of knee osteoarthritis	2014	commentary
Hinman, R.	Manual physiotherapy or exercise leads to sustained reductions in pain and physical disability in people with hip and knee osteoarthritis	2014	commentary of an excluded rct
	Diet-plus-exercise combo helps relieve knee osteoarthritis	2014	non-systematic review
Slattengren, A. H.; Christensen, T.; Prasad, S.; Jones, K.	Prolotherapy: A nontraditional approach to knee osteoarthritis	2014	non-systematic review
Bohensky, M. A.; Ademi, Z.; deSteiger, R.; Liew, D.; Sundararajan, V.; Bucknill, A.; Kondogiannis, C.; Brand, C. A.	Quantifying the excess cost and resource utilisation for patients with complications associated with elective knee arthroscopy: A retrospective cohort study	2014	no comparison of interest (those with complications vs those without)
Van Schoor, J.	Vimovo <sup>®</sup> : Fixed-dose naproxen/esomeprazole to treat arthritic symptoms	2013	narrative review
Yilmaz, H.; Polat, H. A. D.; Karaca, G.; KÃ¼Ã§Ã¼kÃ¼n, S.; Akkurt, H. E.	Effectiveness of home exercise program in patients with knee osteoarthritis	2013	case series

Losina, E.; Daigle, M. E.; Suter, L. G.; Hunter, D. J.; Solomon, D. H.; Walensky, R. P.; Jordan, J. M.; Burbine, S. A.; Paltiel, A. D.; Katz, J. N.	Disease-modifying drugs for knee osteoarthritis: Can they be cost-effective?	2013	simulation - no pts
Steigerwald, I.; Mller, M.; Kujawa, J.; Balblanc, J. C.; Calvo-Aln, J.	Effectiveness and safety of tapentadol prolonged release with tapentadol immediate release on-demand for the management of severe, chronic osteoarthritis-related knee pain: Results of an open-label, phase 3b study	2012	case series; no comparison group
Irct2017070511763N,	The effect's of curcuma, black pepper, ginger on inflammatory marker and pain in the patient with knee osteoarthritis	2017	no outcomes of interest (biomarkers only)
Nct,	Transplantation of Bone Marrow Derived Mesenchymal Stem Cells in Affected Knee Osteoarthritis by Rheumatoid Arthritis	2013	irrelevant topic: rheumatoid arthritis
Nct,	Effectiveness of Aquatic Physical Therapy for Knee Osteoarthritis Patients	2014	repeat article of 780
Nct,	Effects of Video Game on Patients With Knee Osteoarthritis	2017	repeat of #21800
Nct,	Efficacy of Electro-acupuncture Versus Manual Acupuncture on Knee Osteoarthritis	2017	duplicate of ID #24100
Nct,	The Effect of Cryotherapy in Pain Control, Function and Quality of Life in Individuals With Knee Osteoarthritis	2016	< 4 week follow-up
Nct,	Efficacy of OSTENIL PLUS (Hyaluronic Acid) Versus SYNVISCO-ONE in Patients With Tibiofemoral Osteoarthritis	2017	duplicate of #22422
Nct,	Weight Loss and Physical Activity in Overweight/Obese Individuals With Knee Osteoarthritis	2016	nct listing of an excluded cohort study (ID 22147)
Nct,	Femoral Nerve Block Compared to Exparel in Total Knee Replacement	2015	not relevant
Du, C.; Smith, A.; Avalos, M.; South, S.; Crabtree, K.; Wang, W.; Kwon, Y. H.; Vijayagopal, P.; Juma, S.	Blueberries Improve Pain, Gait Performance, and Inflammation in Individuals with Symptomatic Knee Osteoarthritis	2019	less than 30 patients per group
Glorioso, S.; Todesco, S.; Mazzi, A.; Marcolongo, R.; Giordano, M.; Colombo, B.; Cherie-Ligniere, G.; Mattara, L.; Leardini, G.; Passeri, M.	Double-blind multicentre study of the activity of S-adenosylmethionine in hip and knee osteoarthritis	1985	less than 80% oak
Peterson, M. G.; Kovar-Toledano, P. A.; Otis, J. C.; Allegrante, J. P.; Mackenzie, C. R.; Gutin, B.; Kroll, M. A.	Effect of a walking program on gait characteristics in patients with osteoarthritis	1993	part of OAK 2 search

Kim, D. H.; Lee, M. S.; Lee, S.; Yoon, S. H.; Shin, J. W.; Choi, S. S.	A Prospective Randomized Comparison of the Efficacy of Ultrasound- vs Fluoroscopy-Guided Genicular Nerve Block for Chronic Knee Osteoarthritis	2019	irrelevant comparison; image guiding for nerve block
Voronina, N. V.; Slutskaya, N. P.; Markina, O. I.; Kovalskaya, L. P.; Agievich, T. B.; Gelmutdinov, D. D.; Bushina, A. V.	Treatment for knee osteoarthritis in patients with oxalate nephropathy	2015	not in english
Sidorov, V. D.; Pershin, S. B.	Rehabilitation of the patients with osteoarthritis	2015	not in english
Kaplunov, O. A.; Biriukov, S. N.; Bersanov, V. K.	Use of prolonged corticosteroids and hyaluronic acid salts in treatment of gonarthrosis	2015	non-english
Caso, F.; Costa, L.; Del Puente, A.; Sorbo, D.; Balestrieri, U.; Peluso, R.; Scarpa, R.	Clinical effects of mud-bath therapy and oral glucosamine sulfate after 6 months of discontinuation in patients with knee osteoarthritis: results from a randomised, controlled, crossover study	2017	letter to editor
Arteaga-SolÃs, J. R.; Negrete-Corona, J.; ChÃvez-Hinojosa, E.; DÃaz-MartÃnez, B.	Effectiveness of two intraarticular drugs in patients with knee arthrosis. Polymerized collagen versus hylan	2014	not in english
Filatova, E. S.; Turovskaya, E. F.; Alekseeva, L. I.	Evaluation of the efficacy of pregabalin in the therapy of chronic pain in patients with knee osteoarthritis	2017	not in english
Petrella, R. J.; Cogliano, A.; Decaria, J.	Combining two hyaluronic acids in osteoarthritis of the knee: a randomized, double-blind, placebo-controlled trial	2008	insufficient reporting of between group statistical significance
Allen, K. D.; Somers, T. J.; Campbell, L. C.; Arbeeva, L.; Coffman, C. J.; Cene, C. W.; Oddone, E. Z.; Keefe, F. J.	Pain coping skills training for African Americans with osteoarthritis: results of a randomized controlled trial	2019	knee and hip % not specified
Hausmann, L. R. M.; Youk, A.; Kwoh, C. K.; Gallagher, R. M.; Weiner, D. K.; Vina, E. R.; Obrosky, D. S.; Mauro, G. T.; McInnes, S.; Ibrahim, S. A.	Effect of a Positive Psychological Intervention on Pain and Functional Difficulty Among Adults With Osteoarthritis: A Randomized Clinical Trial	2018	groups categorized by race



Kolasinski, S. L.; Neogi, T.; Hochberg, M. C.; Oatis, C.; Guyatt, G.; Block, J.; Callahan, L.; Copenhaver, C.; Dodge, C.; Felson, D.; Gellar, K.; Harvey, W. F.; Hawker, G.; Herzig, E.; Kwoh, C. K.; Nelson, A. E.; Samuels, J.; Scanzello, C.; White, D.; Wise, B.; Altman, R. D.; DiRenzo, D.; Fontanarosa, J.; Giradi, G.; Ishimori, M.; Misra, D.; Shah, A. A.; Shmagel, A. K.; Thoma, L. M.; Turgunbaev, M.; Turner, A. S.; Reston, J.	2019 American College of Rheumatology/Arthritis Foundation Guideline for the Management of Osteoarthritis of the Hand, Hip, and Knee	2020	systematic review* References Reviewed
Marconcin, P.; Espanha, M.; Teles, J.; Bento, P.; Campos, P.; Andr��, R.; Y��zigi, F.	A randomized controlled trial of a combined self-management and exercise intervention for elderly people with osteoarthritis of the knee: the PLE2NO program	2018	duplicate
O'Moore K, A.; Newby, J. M.; Andrews, G.; Hunter, D. J.; Bennell, K.; Smith, J.; Williams, A. D.	Internet Cognitive-Behavioral Therapy for Depression in Older Adults With Knee Osteoarthritis: A Randomized Controlled Trial	2018	< 30 pts per group; n1 = 49, n2 = 28
Ruiz Iban, M. A.; Tejedor, A.; Gil Garay, E.; Revenga, C.; Hermosa, J. C.; Montfort, J.; Pena, M. J.; Lopez Millan, J. M.; Montero Matamala, A.; Capa Grasa, A.; Navarro, M. J.; Gobbo, M.; Loza, E.	GEDOS-SECOT consensus on the care process of patients with knee osteoarthritis and arthroplasty	2017	non-systematic review, arthroplasty
Schenke, M.; Ferner, F.; Strecker, W.; Dickschas, J.	Complications of wound and bone healing in 1013 corrective osteotomies of the lower limb dependent on patient-associated factors	2017	unclear if specific to OAK patients
Skelly, A. C.; Chou, R.; Dettori, J. R.; Turner, J. A.; Friedly, J. L.; Rundell, S. D.; Fu, R.; Brodt, E. D.; Wasson, N.; Winter, C.; Ferguson, A. J. R.	(untitled)	2018	systematic review, not only OAK
Spitaels, D.; Hermens, Rpmg; Luyten, F. P.; Vandenuecker, H.; Aertgeerts, B.; Verschueren, S.; Van Assche, D.; Vankrunkelsven, P.	Educational outreach visits to improve knee osteoarthritis management in primary care	2019	GPs randomized, not pts; no outcomes of interest (only referral to PT)

Tighe, C. A.; Youk, A.; Ibrahim, S. A.; Weiner, D. K.; Vina, E. R.; Kwoh, C. K.; Gallagher, R. M.; Bramoweth, A. D.; Hausmann, L. R. M.	Pain Catastrophizing and Arthritis Self-Efficacy as Mediators of Sleep Disturbance and Osteoarthritis Symptom Severity	2019	tests mediation of outcome, not outcome itself
Vitaloni, M.; Botto-van Bemden, A.; Sciortino Contreras, R. M.; Scotton, D.; Bibas, M.; Quintero, M.; Monfort, J.; Carne, X.; de Abajo, F.; Oswald, E.; Cabot, M. R.; Matucci, M.; du Souich, P.; Moller, I.; Eakin, G.; Verges, J.	Global management of patients with knee osteoarthritis begins with quality of life assessment: a systematic review	2019	systematic review* References Reviewed
Heidari, B.; Babaei, M.	Therapeutic and Preventive Potential of Vitamin D Supplementation in Knee Osteoarthritis	2019	systematic review* References Reviewed
Smith, K. C.; Losina, E.; Messier, S. P.; Hunter, D. J.; Chen, A. T.; Katz, J. N.; Paltiel, A. D.	Budget Impact of Funding an Intensive Diet and Exercise Program for Overweight and Obese Patients With Knee Osteoarthritis	0	no outcomes of interest (economics/budget study)
Zmerly, H.; Moscato, M.; Akkawi, I.	Management of suprapatellar synovial plica, a common cause of anterior knee pain: A clinical review	2019	systematic review* References Reviewed
Ferreira, R. M.; Torres, R. T.; Duarte, J. A.; Goncalves, R. S.	Non-Pharmacological and Non-Surgical Interventions for Knee Osteoarthritis: A Systematic Review and Meta-Analysis	0	systematic review* References Reviewed
Sun, N.; Tu, J. F.; Lin, L. L.; Li, Y. T.; Yang, J. W.; Shi, G. X.; Lao, L. X.; Liu, C. Z.	Correlation between acupuncture dose and effectiveness in the treatment of knee osteoarthritis: a systematic review	0	systematic review
Wang, T. Q.; Li, Y. T.; Wang, L. Q.; Shi, G. X.; Tu, J. F.; Yang, J. W.; Hou, Y. Q.; Lin, L. L.; Sun, N.; Zhao, J. J.; Hou, H. K.; Liu, C. Z.	Electroacupuncture versus manual acupuncture for knee osteoarthritis: a randomized controlled pilot trial	2020	<30 patients per group
Arias-Vazquez, P. I.; Tovilla-Zarate, C. A.; Legorreta-Ramirez, B. G.; Burad Fonz, W.; Magana-Ricardez, D.; Gonzalez-Castro, T. B.; Juarez-Rojop, I. E.; Lopez-Narvaez, M. L.	Prolotherapy for knee osteoarthritis using hypertonic dextrose vs other interventional treatments: systematic review of clinical trials	0	systematic review* References Reviewed
Oh, S. L.; Kim, D. Y.; Bae, J. H.; Lim, J. Y.	Effects of rural community-based integrated exercise and health education programs on the mobility function of older adults with knee osteoarthritis	2020	< 30 pts

Schietzel, S.; Fischer, K.; Brugger, P.; Orav, E. J.; Renerts, K.; Gagesch, M.; Freystaetter, G.; Stahelin, H. B.; Egli, A.; Bischoff-Ferrari, H. A.	Effect of 2000 IU compared with 800 IU vitamin D on cognitive performance among adults age 60 years and older: a randomized controlled trial	0	cognitive performance
Novak, S.; Guerron, G.; Zou, Z.; Cheung, G.; Berteau, J. P.	New Guidelines for Electrical Stimulation Parameters in Adult Patients with Knee Osteoarthritis Based on a Systematic Review of the Current Literature	2020	systematic review
Vincent, K. R.; Vincent, H. K.	Concentric and Eccentric Resistance Training Comparison on Physical Function and Functional Pain Outcomes in Knee Osteoarthritis: A Randomized Controlled Trial R1	2020	Sample Size too Small (n < 30 per group)
Ye, W.; Jia, C.; Jiang, J.; Liang, Q.; He, C.	Effectiveness of elastic taping in patients with knee osteoarthritis: a systematic review and meta-analysis	2019	systematic review
Belk, J. W.; Kraeutler, M. J.; Houck, D. A.; Goodrich, J. A.; Dragoo, J. L.; McCarty, E. C.	Platelet-Rich Plasma Versus Hyaluronic Acid for Knee Osteoarthritis: A Systematic Review and Meta-analysis of Randomized Controlled Trials	0	systematic review* References Reviewed
Garza, J. R.; Campbell, R. E.; Tjounmakaris, F. P.; Freedman, K. B.; Miller, L. S.; Santa Maria, D.; Tucker, B. S.	Clinical Efficacy of Intra-articular Mesenchymal Stromal Cells for the Treatment of Knee Osteoarthritis: A Double-Blinded Prospective Randomized Controlled Clinical Trial	0	< 30 pts per group; n1 = 13, n2 = 13, n3 = 13
Kim, S. H.; Djaja, Y. P.; Park, Y. B.; Park, J. G.; Ko, Y. B.; Ha, C. W.	Intra-articular Injection of Culture-Expanded Mesenchymal Stem Cells Without Adjuvant Surgery in Knee Osteoarthritis: A Systematic Review and Meta-analysis	0	systematic review* References Reviewed
Kunze, K. N.; Beletsky, A.; Hannon, C. P.; LaPrade, R. F.; Yanke, A. B.; Cole, B. J.; Forsythe, B.; Chahla, J.	Return to Work and Sport After Proximal Tibial Osteotomy and the Effects of Opening Versus Closing Wedge Techniques on Adverse Outcomes: A Systematic Review and Meta-analysis	0	systematic review* References Reviewed
Sevimli, R.; G�ler, A.; Anak, M.; Emeli, A.; T�rkmen, E.	The effect of the use of herbal supply on daily life activities containing OTC (Chondroitin sulfate + glucosamine) in patients with knee osteoarthritis	2020	case series
Berenbaum, F.; Blanco, F. J.; Guermazi, A.; Miki, K.; Yamabe, T.; Viktrup, L.; Junor, R.; Carey, W.; Brown, M. T.; West, C. R.; Verburg, K. M.	Subcutaneous tanezumab for osteoarthritis of the hip or knee: efficacy and safety results from a 24-week randomised phase III study with a 24-week follow-up period	2020	not relevant to pico question

Migliorini, F.; Rath, B.; Colarossi, G.; Driessen, A.; Tingart, M.; Niewiera, M.; Eschweiler, J.	Improved outcomes after mesenchymal stem cells injections for knee osteoarthritis: results at 12-months follow-up: a systematic review of the literature	2019	systematic review
Kumagai, K.; Yamada, S.; Akamatsu, T.; Nejima, S.; Ogino, T.; Sotozawa, M.; Inaba, Y.	Intraoperatively accurate limb alignment after opening wedge high tibial osteotomy can be lost by large knee joint line convergence angle during surgery	2020	irrelevant topic; perioperative changes
Ferreira, V.; Simoes, R.; Goncalves, R. S.; Machado, L.; Roriz, P.	The optimal degree of lateral wedge insoles for reducing knee joint load: a systematic review and meta-analysis	0	systematic review* References Reviewed
Fleischmann, R. M.; Bliddal, H.; Blanco, F. J.; Schnitzer, T. J.; Peterfy, C.; Chen, S.; Wang, L.; Feng, S.; Conaghan, P. G.; Berenbaum, F.; et al.,	A Phase II Trial of Lutikizumab, an Anti-Interleukin-1 $\pm$ / $\beta$ 2 Dual Variable Domain Immunoglobulin, in Knee Osteoarthritis Patients With Synovitis	2019	not relevant to pico question
Bricca, A.; Struglics, A.; Larsson, S.; Steultjens, M.; Juhl, C. B.; Roos, E. M.	Impact of Exercise Therapy on Molecular Biomarkers Related to Cartilage and Inflammation in Individuals at Risk of, or With Established, Knee Osteoarthritis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials	0	systematic review
Liao, C. D.; Chen, H. C.; Kuo, Y. C.; Tsauo, J. Y.; Huang, S. W.; Liou, T. H.	Effects of muscle strength training on muscle mass gain and hypertrophy in older adults with osteoarthritis: A systematic review and meta-analysis	2019	systematic review
Bendich, I.; Rubenstein, W. J.; Cole, B. J.; Ma, C. B.; Feeley, B. T.; Lansdown, D. A.	What Is the Appropriate Price for Platelet-Rich Plasma Injections for Knee Osteoarthritis? A Cost-Effectiveness Analysis Based on Evidence From Level I Randomized Controlled Trials	2020	systematic review* References Reviewed
Han, S. B.; Seo, I. W.; Shin, Y. S.	Intra-articular injections of hyaluronic acid or steroid associated with better outcomes than platelet-rich plasma, adipose mesenchymal stromal cell, or placebo in knee osteoarthritis: a network meta-analysis	2020	systematic review* References Reviewed
Sconza, C.; Respizzi, S.; Virelli, L.; Vandenbulcke, F.; Iacono, F.; Kon, E.; Di Matteo, B.	Oxygen-Ozone Therapy for the Treatment of Knee Osteoarthritis: A Systematic Review of Randomized Controlled Trials	0	systematic review* References Reviewed
Chen, L.; Lou, Y.; Pan, Z.; Cao, X.; Zhang, L.; Zhu, C.; Liang, J.	Treadmill and wheel exercise protect against JNK/NF-kappaB induced inflammation in experimental models of knee osteoarthritis	0	irrelevant topic; inflammation markers

Barrow, D. R.; Abbate, L. M.; Paquette, M. R.; Driban, J. B.; Vincent, H. K.; Newman, C.; Messier, S. P.; Ambrose, K. R.; Shultz, S. P.	Exercise prescription for weight management in obese adults at risk for osteoarthritis: synthesis from a systematic review	0	systematic review* References Reviewed
Mol, M. F.; Runhaar, J.; Bos, P. K.; Dorleijn, D. M. J.; Vis, M.; Gussekloo, J.; Bindels, P. J. E.; Bierma-Zeinstra, S. M. A.	Effectiveness of intramuscular gluteal glucocorticoid injection versus intra-articular glucocorticoid injection in knee osteoarthritis: design of a multicenter randomized, 24 weeks comparative parallel-group trial	0	protocol only - no results
Moon, H. S.; Choi, C. H.; Jung, M.; Park, S. H.; Lee, D. Y.; Shin, J. K.; Kim, S. H.	The effect of medial open wedge high tibial osteotomy on the patellofemoral joint: comparative analysis according to the preexisting cartilage status	0	case series; prognostic analysis not of interest
Sakamoto, T.; Miyazaki, T.; Watanabe, S.; Takahashi, A.; Honjoh, K.; Nakajima, H.; Oki, H.; Kokubo, Y.; Matsumine, A.	Intraarticular injection of processed lipoaspirate cells has anti-inflammatory and analgesic effects but does not improve degenerative changes in murine monoiodoacetate-induced osteoarthritis	0	animal: murine
Zhao, J.; Huang, H.; Liang, G.; Zeng, L. F.; Yang, W.; Liu, J.	Effects and safety of the combination of platelet-rich plasma (PRP) and hyaluronic acid (HA) in the treatment of knee osteoarthritis: a systematic review and meta-analysis	0	systematic review* References Reviewed
Stausholm, M. B.; Naterstad, I. F.; Joensen, J.; Lopes-Martins, R. A. B.; Saebo, H.; Lund, H.; Fersum, K. V.; Bjordal, J. M.	Efficacy of low-level laser therapy on pain and disability in knee osteoarthritis: systematic review and meta-analysis of randomised placebo-controlled trials	0	systematic review* References Reviewed
Cuyul-Vázquez, I.; Leiva-Sepúlveda, A.; Catalán-Medalla, O.; Araya-Quintanilla, F.; Gutiérrez-Espinoza, H.	The addition of blood flow restriction to resistance exercise in individuals with knee pain: a systematic review and meta-analysis	2020	systematic review* References Reviewed
Liu, J.; Chen, L.; Chen, X.; Hu, K.; Tu, Y.; Lin, M.; Huang, J.; Liu, W.; Wu, J.; Qiu, Z.; Zhu, J.; Li, M.; Park, J.; Wilson, G.; Lang, C.; Xie, G.; Tao, J.; Kong, J.	Modulatory effects of different exercise modalities on the functional connectivity of the periaqueductal grey and ventral tegmental area in patients with knee osteoarthritis: a randomised multimodal magnetic resonance imaging study	0	< 30 pts per group; n1 = 28, n2 = 29, n3 = 27, n4 = 24
Lin, I.; Wiles, L.; Waller, R.; Goucke, R.; Nagree, Y.; Gibberd, M.; Straker, L.; Maher, C. G.; O'Sullivan, P. P. B.	What does best practice care for musculoskeletal pain look like? Eleven consistent recommendations from high-quality clinical practice guidelines: systematic review	0	systematic review, not only OAK
Oliviero, A.; Giordano, L.; Maffulli, N.	The temporal effect of intra-articular ozone injections on pain in knee osteoarthritis	0	review

Primeau, C. A.; Marsh, J. D.; Birmingham, T. B.; Giffin, J. R.	The importance of costing perspective: an example evaluating the cost-effectiveness of a locking versus nonlocking plate in medial opening wedge high tibial osteotomy	0	non-systematic review
Miller, L. E.; Bhattacharyya, S.; Parrish, W. R.; Fredericson, M.; Bisson, B.; Altman, R. D.	Safety of Intra-Articular Hyaluronic Acid for Knee Osteoarthritis: Systematic Review and Meta-Analysis of Randomized Trials Involving More than 8,000 Patients	0	systematic review
Previtali, D.; Merli, G.; Di Laura Frattura, G.; Candrian, C.; Zaffagnini, S.; Filardo, G.	The Long-Lasting Effects of "Placebo Injections" in Knee Osteoarthritis: A Meta-Analysis	2020	systematic review* References Reviewed
Kendall, J. C.; Vindigni, D.; Polus, B. I.; Azari, M. F.; Harman, S. C.	Effects of manual therapies on stability in people with musculoskeletal pain: A systematic review	2020	systematic review, not only OAK
Rosshirt, N.; Hagmann, S.; Tripel, E.; Gotterbarm, T.; Kirsch, J.; Zeifang, F.; Lorenz, H. M.; Tretter, T.; Moradi, B.	A predominant Th1 polarization is present in synovial fluid of end-stage osteoarthritic knee joints: analysis of peripheral blood, synovial fluid and synovial membrane	0	Irrelevant Topic: Biomarkers
Cleveland, R. J.; Nelson, A. E.; Callahan, L. F.	Knee and hip osteoarthritis as predictors of premature death: a review of the evidence	0	systematic review* References Reviewed
Skou, S. T.; Roos, E. M.	Physical therapy for patients with knee and hip osteoarthritis: supervised, active treatment is current best practice	0	narrative review
Zhang, W.	The powerful placebo effect in osteoarthritis	0	non-systematic review
Thompson, R. L.; Gardner, J. K.; Zhang, S.; Reinbolt, J. A.	Lower-limb joint reaction forces and moments during modified cycling in healthy controls and individuals with knee osteoarthritis	0	Sample Size too Small (n < 30 per group)
Courseau, M.; Salle, P. V.; Ranoux, D.; de Pouilly Lachat, A.	Efficacy of Intra-Articular Botulinum Toxin in Osteoarticular Joint Pain: A Meta-Analysis of Randomized Controlled Trials	0	systematic review
Kim, T. K.; Chawla, A.; Meshram, P.	CORR Synthesis: What Is the Evidence for the Clinical Use of Stem Cell-based Therapy in the Treatment of Osteoarthritis of the Knee?	0	systematic review* References Reviewed
Alfredo, P. P.; Junior, W. S.; Casarotto, R. A.	Efficacy of continuous and pulsed therapeutic ultrasound combined with exercises for knee osteoarthritis: a randomized controlled trial	0	less than 30 patients per group
Liao, C. D.; Tsao, J. Y.; Liou, T. H.; Chen, H. C.; Huang, S. W.	Clinical efficacy of extracorporeal shockwave therapy for knee osteoarthritis: a systematic review and meta-regression of randomized controlled trials	0	systematic review

Williams, A.; Lee, H.; Kamper, S. J.; O'Brien, K. M.; Wiggers, J.; Wolfenden, L.; Yoong, S. L.; Hodder, R. K.; Robson, E. K.; Haskins, R.; McAuley, J. H.; Williams, C. M.	Causal mechanisms of a healthy lifestyle intervention for patients with musculoskeletal pain who are overweight or obese	0	less than 80% oak
Wu, Y.; Zhu, S.; Lv, Z.; Kan, S.; Wu, Q.; Song, W.; Ning, G.; Feng, S.	Effects of therapeutic ultrasound for knee osteoarthritis: a systematic review and meta-analysis	0	systematic review
Allen, K. D.; Lo, G.; Abbate, L. M.; Floegel, T. A.; Lindquist, J. H.; Coffman, C.; Oddone, E. Z.; Taylor, S. S.; Hall, K.	Composite measures of physical activity and pain associate better with functional assessments than pain alone in knee osteoarthritis	0	not an interventional study
Bang, C. H.; Kim, C.; Kim, J. H.; Choi, S. J.; Song, G. G.; Jung, J. H.	Is knee osteoarthritis related to coffee drinking? A nationwide cross-sectional observational study	0	evaluates risk factor for OAK
de Almeida, A. C.; Aily, J. B.; Pedroso, M. G.; Goncalves, G. H.; de Carvalho Felinto, J.; Ferrari, R. J.; Pastre, C. M.; Mattiello, S. M.	A periodized training attenuates thigh intermuscular fat and improves muscle quality in patients with knee osteoarthritis: results from a randomized controlled trial	0	less than 30 patients per group
Ong, K. L.; Runa, M.; Lau, E.; Altman, R. D.	Cost-of-illness of knee osteoarthritis: potential cost savings by not undergoing arthroplasty within the first 2 years	0	no intervention of interest
Coimbra, I. B.; Plapler, P. G.; Campos, G. C.	Generating evidence and understanding the treatment of osteoarthritis in Brazil: a study through Delphi methodology	0	Irrelevant Topic: Treatment Guidelines
Maia, P. A. V.; Cossich, V. R. A.; Salles-Neto, J. I.; Aguiar, D. P.; de Sousa, E. B.	Viscosupplementation improves pain, function and muscle strength, but not proprioception, in patients with knee osteoarthritis: a prospective randomized trial	0	< 30 pts per group; n1 = 12, n2 =16, n3 = 16
Ozkuk, K.; Uysal, B.	Is the Duration of Spa Cure Treatment Important in Knee Osteoarthritis? A Randomized Controlled Study	0	less than 30 patients per group
Kwon, C. Y.; Yoon, S. H.; Lee, B.	Clinical effectiveness and safety of acupotomy: An overview of systematic reviews	0	systematic review
Heffernan, S. M.; McCarthy, C.; Eustace, S.; FitzPatrick, R. E.; Delahunty, E.; De Vito, G.	Mineral rich algae with pine bark improved pain, physical function and analgesic use in mild-knee joint osteoarthritis, compared to Glucosamine: A randomized controlled pilot trial	2020	<30 patients per group
Zeng, Z. P.; Liu, Y. B.; Fang, J.; Liu, Y.; Luo, J.; Yang, M.	Effects of Baduanjin exercise for knee osteoarthritis: A systematic review and meta-analysis	2020	systematic review* References Reviewed

Zhang, Y. P.; Hu, R. X.; Han, M.; Lai, B. Y.; Liang, S. B.; Chen, B. J.; Robinson, N.; Chen, K.; Liu, J. P.	Evidence Base of Clinical Studies on Qi Gong: A Bibliometric Analysis	2020	systematic review* References Reviewed
Tian, X.; Han, C.; Wang, J.; Tan, Y.; Zhu, G.; Lei, M.; Ma, S.; Hu, Y.; Li, S.; Chen, H.; Huang, Y.	Distal tibial tuberosity high tibial osteotomy using an image enhancement technique for orthopedic scans in the treatment of medial compartment knee osteoarthritis	0	only one comparison group
Andrews, A. R.; Fernandes, A. D.; Brownmiller, S. E.; Hanna, Y.; Fisher, M. C.; Huang, C. A.	Blocking extracellular Galectin-3 in patients with osteoarthritis	0	< 30 pts per group; n1 = 25, n2 = 25
Rainsford, K. D.; Roberts, M. S.; Nencioni, A.; Jones, C.	Rationale and evidence for the incorporation of heparin into the diclofenac epolamine medicated plaster	0	review
Orhurhu, V.; Schwartz, R.; Potts, J.; Peck, J.; Urits, I.; Orhurhu, M. S.; Odonkor, C.; Viswanath, O.; Kaye, A. D.; Gill, J.	Role of Alpha-2-Microglobulin in the Treatment of Osteoarthritic Knee Pain: a Brief Review of the Literature	0	systematic review
Arshi, A.; Petrigliano, F. A.; Williams, R. J.; Jones, K. J.	Stem Cell Treatment for Knee Articular Cartilage Defects and Osteoarthritis	2020	non-systematic review
Kingery, M. T.; Manjunath, A. K.; Anil, U.; Strauss, E. J.	Bone Marrow Mesenchymal Stem Cell Therapy and Related Bone Marrow-Derived Orthobiologic Therapeutics	0	non-systematic review
Marks, R.	Qigong and Musculoskeletal Pain	2019	review
Teymouri, S.; Rakhshandeh, H.; Baghdar, H. N.; Yousefi, M.; Salari, R.	Analgesic Herbal Medicines in the Treatment of Knee Osteoarthritis: A Systematic Review	0	systematic review
Haslam, A.; Livingston, C.; Prasad, V.	Medical Reversals in Family Practice: A Review	0	non-systematic review
Vincent, P.; Lucas de Couville, T.; Thomas, T.	Intra-Articular Hyaluronic Acid for Knee Osteoarthritis: A Postmarket, Open-Label, Long-Term Historical Control Study with Analysis Detailed per Krellgren-Lawrence Radiologic Osteoarthritis Scale Grade	0	groups categorized by KL groups
Emadedin, M.; Labibzadeh, N.; Liastani, M. G.; Karimi, A.; Jaroughi, N.; Bolurieh, T.; Hosseini, S. E.; Baharvand, H.; Aghdami, N.	Intra-articular implantation of autologous bone marrow-derived mesenchymal stromal cells to treat knee osteoarthritis: a randomized, triple-blind, placebo-controlled phase 1/2 clinical trial	0	< 30 pts per group; n1 = 15, n2 = 15
Nazari, G.; Bobos, P.; Lu, S.; MacDermid, J. C.	Psychometric properties of the single assessment numeric evaluation in patients with lower extremity pathologies. A systematic review	2019	systematic review



Sedaghatnezhad, P.; Shams, M.; Karimi, N.; Rahnama, L.	Uphill treadmill walking plus physical therapy versus physical therapy alone in the management of individuals with knee osteoarthritis: a randomized clinical trial	2019	<30 patients per group
Abramovich, S. G.; Drobyshev, V. A.; Koneva, E. S.; Makhova, A. A.	The Efficacy of the Comprehensive Use of Naphthalan and Non-Selective Chromotherapy in the Treatment of Patients with Gonarthrosis	0	not relevant to pico question
Frediani, B.; Toscano, C.; Falsetti, P.; Nicosia, A.; Pierguidi, S.; Migliore, A.; Giannotti, S.; Cantarini, L.; Conticini, E.	Intramuscular Clodronate in Long-Term Treatment of Symptomatic Knee Osteoarthritis: A Randomized Controlled Study	0	not relevant to pico question
Chimutengwende-Gordon, M.; Donaldson, J.; Bentley, G.	Current solutions for the treatment of chronic articular cartilage defects in the knee	0	non-systematic review
Hawez, S. W.; Hajee, S. I.	Comparing the effects of ultrasound and microwave physiotherapy treatments on knee osteoarthritis by measuring osteocalcin level and erythrocyte sedimentation rate in blood	2020	no outcomes of interest (biomarkers only)
Roberts, H. M.; Law, R. J.; Thom, J. M.	The time course and mechanisms of change in biomarkers of joint metabolism in response to acute exercise and chronic training in physiologic and pathological conditions	0	systematic review, biomarkers
Abbasifard, M.; Zarehahi, R.	Effect of topical chickpea oil ( <i>Cicer arietinum</i> L.) on knee osteoarthritis: A randomized double-blind controlled clinical trial	2020	<30 patients per group
Szentesi, M.; Nagy, Z.; Geher, P.; Papp, I.; Kampen, W. U.	A prospective observational study on the long-term results of 90Yttrium citrate radiosynoviorthesis of synovitis in osteoarthritis of the knee joint	0	single arm prospective
Govil, M.; Mukhopadhyay, N.; Holwerda, T.; Sluka, K.; Rakel, B.; Schutte, D. L.	Effects of genotype on TENS effectiveness in controlling knee pain in persons with mild to moderate osteoarthritis	0	irrelevant topic; biomarkers
Petersen, K. K.; Simonsen, O.; Olesen, A. E.; Morch, C. D.; Arendt-Nielsen, L.	Pain inhibitory mechanisms and response to weak analgesics in patients with knee osteoarthritis	0	<30 patients per group
Welsch, P.; Petzke, F.; Klose, P.; Hauser, W.	Opioids for chronic osteoarthritis pain: An updated systematic review and meta-analysis of efficacy, tolerability and safety in randomized placebo-controlled studies of at least 4 weeks double-blind duration	0	systematic review* References Reviewed
Ranker, A.; Husemeyer, O.; Cabeza-Boeddinghaus, N.; Mayer-Wagner, S.; Crispin, A.; Weigl, M. B.	Microcurrent therapy in the treatment of knee osteoarthritis. Could it be more than a placebo-effect? A randomized controlled trial	2020	Sample Size too Small (n < 30 per group)

Moreira, V. M. P. S.; da Silva Soares, F.; Hattori, W. T.; Dionisio, V. C.	A comparison of the efficacy of nonweight-bearing and weight-bearing exercise programmes on function and pain pressure thresholds in knee osteoarthritis: a randomised study	2019	<30 patients per group
Shahabi, S.; Rezapour, A.; Arabloo, J.	Economic evaluations of physical rehabilitation interventions in older adults with hip and/or knee osteoarthritis: a systematic review	2019	systematic review
Murat, S.; YumuÅ?akhuylu, Y.; GenÅ?oÄ?lu, Z.; Å?Å?saÄ?asÄ?toÄ?lu, A.; KesiktaÅ?, N.; AltÄ±nbilek, T.	Frequency of physical therapy in knee osteoarthritis: A randomized controlled trial	2019	< 30 pts per group; n1 = 29, n2 = 30, n3 = 30
Chen, Z.; Ma, C.; Xu, L.; Wu, Z.; He, Y.; Xu, K.; Moqbel, S. A. A.; Wu, L.	Laser Acupuncture for Patients with Knee Osteoarthritis: A Systematic Review and Meta-Analysis of Randomized Placebo-Controlled Trials	0	systematic review* References Reviewed
Huang, H.; Pan, J.; Yang, W.; Han, Y.; Luo, M.; Liang, H.; Zeng, L.; Liang, G.; Lin, J.; Liu, J.	Are Kidney-Tonifying and Blood-Activating Medicinal Herbs Better than NSAIDs for Knee Osteoarthritis? A Systematic Review and Meta-Analysis	0	systematic review* References Reviewed
Zheng, Y.; Duan, X.; Qi, S.; Hu, H.; Wang, M.; Ren, C.; Xu, H.; Quan, R.	Acupuncture Therapy plus Hyaluronic Acid Injection for Knee Osteoarthritis: A Meta-Analysis of Randomized Controlled Trials	0	systematic review* References Reviewed
Kim, M.; Lee, K. H.; Han, S. H.; Lee, S. J.; Kim, C. G.; Choi, J. H.; Hwang, S. H.; Park, S. B.	Effect of Peat Intervention on Pain and Gait in Patients with Knee Osteoarthritis: A Prospective, Double-Blind, Randomized, Controlled Study	2020	< 30 pts per group; n1 = 22, n2 = 19
Li, T.; Ma, J.; Zhao, T.; Gao, F.; Sun, W.	Application and efficacy of extracorporeal shockwave treatment for knee osteoarthritis: A systematic review and meta-analysis	0	systematic review* References Reviewed
Kwon, H. M.; Yang, I. H.; Park, K. K.; Cho, B. W.; Byun, J.; Lee, W. S.	Cigarette smoking and knee osteoarthritis in the elderly: Data from the Korean National Health and Nutritional Examination Survey	2020	irrelevant topic; smoking
Oo, W. M.; Liu, X.; Hunter, D. J.	Pharmacodynamics, efficacy, safety and administration of intra-articular therapies for knee osteoarthritis	0	review
Cao, P.; Li, Y.; Tang, Y.; Ding, C.; Hunter, D. J.	Pharmacotherapy for knee osteoarthritis: current and emerging therapies	0	narrative review
Vincent, T. L.	Il-1 in osteoarthritis: Time for a critical review of the literature	2019	systematic review; biomarkers
Ong, Y. Q.; Sakinah, H.; Shahril, M. R.; Norshazila, S.	Antioxidant and anti-inflammatory dietary supplements in the treatment of osteoarthritis: A scoping review	2020	systematic review* References Reviewed

Ye, J.; Simpson, M. W.; Liu, Y.; Lin, W.; Zhong, W.; Cai, S.; Zou, L.	The Effects of Baduanjin Qigong on Postural Stability, Proprioception, and Symptoms of Patients With Knee Osteoarthritis: A Randomized Controlled Trial	2020	< 30 pts per group; n1 = 25, n2 = 25
Yang, S.; Chang, M. C.	Effect of Repetitive Transcranial Magnetic Stimulation on Pain Management: A Systematic Narrative Review	2020	systematic review, not only OAK
Dannenmaier, J.; Kaltenbach, C.; Kolle, T.; Krischak, G.	Application of functional data analysis to explore movements: walking, running and jumping - A systematic review	0	systematic review
Zafar, A. Q.; Zamani, R.; Akrami, M.	The effectiveness of foot orthoses in the treatment of medial knee osteoarthritis: A systematic review	0	systematic review
Zhu, H.; Nesler, C.; Divekar, N.; Ahmad, M. T.; Gregg, R. D.	Design and Validation of a Partial-Assist Knee Orthosis with Compact, Backdrivable Actuation	0	Biomechanical Study
Said Ahmed, M. A.; Saweeres, E. S. B.; Abdelkader, N. A.; Abdelmajeed, S. F.; Fares, A. R.	Improved Pain and Function in Knee Osteoarthritis with Dexamethasone Phonophoresis: A Randomized Controlled Trial	0	Sample Size too Small (n < 30 per group)
El Sayed, E. M.; Al Sebaee, H. A.; Mohammed, H. A.; Nawito, Z. O.	Effect of lavender oil massage on pain among patients with knee osteoarthritis	2020	< 4 week follow-up
Jyoti,	Effectiveness of platelet-rich plasma in knee osteoarthritis	2019	literature review
Soto, S. H.; Callahan, L. F.; Bahorski, S.; Altpeter, M.; Hales, D. P.; Phillips, A.; Carthron, D.; Rini, C.	The Role of Cohabiting Partner and Relationship Characteristics on Physical Activity among Individuals with Osteoarthritis	0	irrelevant topic; partner support
Geidl, W.; Abu-Omar, K.; Weege, M.; Messing, S.; Pfeifer, K.	German recommendations for physical activity and physical activity promotion in adults with noncommunicable diseases	0	systematic review
Dilekci, E.; Ozkuk, K.; Kaki, B.	Effect of balneotherapy on pain and fatigue in elderly with knee osteoarthritis receiving physical therapy: a randomized trial	0	less than 4 week follow up
Masiero, S.; Pignataro, A.; Piran, G.; Duso, M.; Mimche, P.; Ermani, M.; Del Felice, A.	Short-wave diathermy in the clinical management of musculoskeletal disorders: a pilot observational study	2019	unclear % OAK
Peultier-Celli, L.; Lion, A.; Chary-Valckenaere, I.; Loeuille, D.; Zhang, Z.; Rat, A. C.; Gueguen, R.; Paysant, J.; Perrin, P. P.	Comparison of high-frequency intensive balneotherapy with low-frequency balneotherapy combined with land-based exercise on postural control in symptomatic knee osteoarthritis: a randomized clinical trial	0	no patient oriented outcomes
Varzaityte, L.; Kubilius, R.; Rapoliene, L.; Bartuseviciute, R.; Balcius, A.; Ramanauskas, K.; Nedzelskiene, I.	The effect of balneotherapy and peloid therapy on changes in the functional state of patients with knee joint osteoarthritis: a randomized, controlled, single-blind pilot study	2019	insufficient results reporting for analysis. unclear which group is group I and which one is group II

Cui, X.; Jing, Z.; Chen, B.; Guo, W.; Gao, G.	Study on the effect and safety of open high osteotomy in the repair of medial compartment osteoarthritis	2020	review
Xu, H.; Zhao, G.; Xia, F.; Liu, X.; Gong, L.; Wen, X.	The diagnosis and treatment of knee osteoarthritis: A literature review	2019	literature review
Zhang, Y.; Duo, R.; Shen, H.	The clinical efficacy of ligustrazine in the treatment of knee osteoarthritis	2019	not relevant comparison to pico
Pachito, D. V.; Latorraca, C. O. C.; Riera, R.	Efficacy of platelet-rich plasma for non-transfusion use: Overview of systematic reviews	0	overview of systematic reviews
Law, W.; Kwok, T. C. Y.	Impacts of a multicomponent intervention programme on neuropsychiatric symptoms in people with dementia and psychological health of caregivers: A feasibility pilot study	0	irrelevant topic; dementia caregivers
Samuel, A. J.; Kanimozhi, D.	Outcome measures used in patient with knee osteoarthritis: With special importance on functional outcome measures	0	systematic review* References Reviewed
Hsu, C. C.; Cheng, J. H.; Wang, C. J.; Ko, J. Y.; Hsu, S. L.; Hsu, T. C.	Shockwave Therapy Combined with Autologous Adipose-Derived Mesenchymal Stem Cells Is Better than with Human Umbilical Cord Wharton's Jelly-Derived Mesenchymal Stem Cells on Knee Osteoarthritis	2020	irrelevant topic; tissue characteristics
Senthil Kumar, N.; Chacko, A.; Jimshad, M. I.; Yuva Srinivas, G.; Tamilselvan, A.	Improvement in pain relief using a DMSO based diclofenac in comparison to conventional diclofenac gels in osteoarthritis â??a randomized controlled trial	2019	<30 patients per group
French, H. P.; Hager, C. K.; Venience, A.; Fagan, R.; Meldrum, D.	Psychometric properties and domains of postural control tests for individuals with knee osteoarthritis: a systematic review	2020	systematic review
Simental-Mendia, M.; Sanchez-Garcia, A.; Acosta-Olivo, C. A.; Vilchez-Cavazos, F.; Osuna-Garate, J.; Pena-Martinez, V. M.; Simental-Mendia, L. E.	Efficacy and safety of avocado-soybean unsaponifiables for the treatment of hip and knee osteoarthritis: A systematic review and meta-analysis of randomized placebo-controlled trials	0	systematic review
Ma, H.; Zhang, W.; Shi, J.; Zhou, D.; Wang, J.	The efficacy and safety of extracorporeal shockwave therapy in knee osteoarthritis: A systematic review and meta-analysis	0	systematic review
Hernigou, P.; Giber, D.; Dubory, A.; Auregan, J. C.	Safety of simultaneous versus staged bilateral opening-wedge high tibial osteotomy with locked plate and immediate weight bearing	0	observational
Hsieh, C. K.; Chang, C. J.; Liu, Z. W.; Tai, T. W.	Extracorporeal shockwave therapy for the treatment of knee osteoarthritis: a meta-analysis	2020	meta analysis

Mahendira, L.; Jones, C.; Papachristos, A.; Waddell, J.; Rubin, L.	Comparative clinical and cost analysis between surgical and non-surgical intervention for knee osteoarthritis	0	surgical management
Hochberg, M. C.; Guermazi, A.; Guehring, H.; Aydemir, A.; Wax, S.; Fleuranceau-Morel, P.; Reinstrup Bihlet, A.; Byrjalsen, I.; Ragnar Andersen, J.; Eckstein, F.	Effect of Intra-Articular Sprifermin vs Placebo on Femorotibial Joint Cartilage Thickness in Patients With Osteoarthritis: The FORWARD Randomized Clinical Trial	0	not relevant to pico question
Kimira, Y.; Saito, M.; Nomura, K.; Osawa, Y.; Shimizu, J.; Nakatani, S.; Inoue, N.; Mori, Y.; Mano, H.; Kushibe, S.; Sekiguchi, Y.; Koizumi, S.; Kobayashi, J.	The effects of collagen peptide supplementation on knee joint health -A double-blind, placebo-controlled, randomized trial in healthy university students belonging to a running club	2019	<30 patients per group
Concoff, A.; Rosen, J.; Fu, F.; Bhandari, M.; Boyer, K.; Karlsson, J.; Einhorn, T. A.; Schemitsch, E.	A Comparison of Treatment Effects for Nonsurgical Therapies and the Minimum Clinically Important Difference in Knee Osteoarthritis: A Systematic Review	0	systematic review* References Reviewed
Nelligan, R. K.; Hinman, R. S.; Atkins, L.; Bennell, K. L.	A Short Message Service Intervention to Support Adherence to Home-Based Strengthening Exercise for People With Knee Osteoarthritis: Intervention Design Applying the Behavior Change Wheel	0	no OA outcomes measured
Ponnusamy, K. E.; Vasarhelyi, E. M.; Somerville, L.; McCalden, R. W.; Marsh, J. D.	Cost-Effectiveness of Total Knee Arthroplasty vs Nonoperative Management in Normal, Overweight, Obese, Severely Obese, Morbidly Obese, and Super-Obese Patients: A Markov Model	0	not relevant to pico question
Sayadnejad, F.; Esfandiarpour, F.; Rezazadeh, A.; Amin, M.; Derisfard, F.; Shaterzadeh, M. J.	Effects of lateral wedge insole on static and dynamic balance in patients with moderate medial knee osteoarthritis	2019	<30 patients per group
Elik, H.; Dogu, B.; Yilmaz, F.; Begoglu, F. A.; Kuran, B.	The efficiency of platelet-rich plasma treatment in patients with knee osteoarthritis	0	< 30 pts per group; n1 = 30, n2 = 27
Sen, E. I.; Yildirim, M. A.; Yesilyurt, T.; Kesiktas, F. N.; Diracoglu, D.	Effects of platelet-rich plasma on the clinical outcomes and cartilage thickness in patients with knee osteoarthritis	2019	only one comparison group
Khotib, J.; Setiawan, H. U.; Nurhan, A. D.; Rahadiansyah, E.; Ardianto, C.; Rahmadi, M.	Analysis of effectiveness and drug related problems of pain reliever for knee osteoarthritis: weighing clinical risk and benefit	2020	retrospective drug data
Saviola, G.; Abdi-Ali, L.; Comini, L.; Dalle-Carbonare, L. G.	Use of clodronate in the management of osteoarthritis: an update	0	editorial

Papalia, R.; Torre, G.; Zampogna, B.; Vorini, F.; Grasso, A.; Denaro, V.	Sport activity as risk factor for early knee osteoarthritis	2019	irrelevant topic; OA risk factors
Messier, S. P.; Beavers, D. P.; Mihalko, S. L.; Miller, G. D.; Lyles, M. F.; Hunter, D. J.; Carr, J. J.; Eckstein, F.; Guermazi, A.; Loeser, R. F.; DeVita, P.	The effects of intensive dietary weight loss and exercise on gait in overweight and obese adults with knee osteoarthritis. The Intensive Diet and Exercise for Arthritis (IDEA) trial	0	biomechanic outcomes only
Khosravi, M.; Arazpour, M.; Saeedi, H.; Rezaei, M.	Design Evaluation in Novel Orthoses for Patients with Medial Knee Osteoarthritis	0	review
Hartley, C.; Folland, J. P.; Kerslake, R.; Brooke-Wavell, K.	High-Impact Exercise Increased Femoral Neck Bone Density With No Adverse Effects on Imaging Markers of Knee Osteoarthritis in Postmenopausal Women	0	irrelevant topic; bone density
Rashid, S. A.; Moiz, J. A.; Sharma, S.; Raza, S.; Rashid, S. M.; Hussain, M. E.	Comparisons of Neuromuscular Training Versus Quadriceps Training on Gait and WOMAC Index in Patients With Knee Osteoarthritis and Varus Malalignment	0	< 30 pts per group; n1 = 31, n2 = 28
Ziegler, P.; Nussler, A. K.; Wilbrand, B.; Falldorf, K.; Springer, F.; Fentz, A. K.; Eschenburg, G.; Ziegler, A.; StÄ¶ckle, U.; Maurer, E.; Ateschrang, A.; SchrÄ¶ter, S.; Ehnert, S.	Pulsed electromagnetic field therapy improves osseous consolidation after high tibial osteotomy in elderly patientsâ??a randomized, placebo-controlled, double-blind trial	2019	biomarkers
Lana, J. F.; Macedo, A.; Ingraio, I. L. G.; Huber, S. C.; Santos, G. S.; Santana, M. H. A.	Leukocyte-rich PRP for knee osteoarthritis: Current concepts	0	review
Sharma, M.; Singh, A.; Kaur, S.; Dhillon, M. S.	Consensus on non-pharmacological interventions for mild and moderate knee osteoarthritis among stakeholders/experts of various disciplines is still elusive â??A preliminary report	2019	preliminary report
Han, X.; Yang, B.; Zou, F.; Sun, J.	Clinical therapeutic efficacy of mesenchymal stem cells derived from adipose or bone marrow for knee osteoarthritis: a meta-analysis of randomized controlled trials	0	systematic review
Tittlemier, B. J.; Wittmeier, K. D.; Webber, S. C.	Quality and content analysis of clinical practice guidelines which include nonpharmacological interventions for knee osteoarthritis	2020	systematic review
Abolhasani, M.; Halabchi, F.; Afsharnia, E.; Moradi, V.; Ingle, L.; Shariat, A.; Hakakzadeh, A.	Effects of kinesiotaping on knee osteoarthritis: a literature review	0	systematic review* References Reviewed

Ahmadabadi, H. K.; Vaez-Mahdavi, M. R.; Kamalinejad, M.; Shariatpanahi, S. S.; Ghazanfari, T.; Jafari, F.	Pharmacological and biochemical properties of Zingiber zerumbet (L.) Roscoe ex Sm. and its therapeutic efficacy on osteoarthritis of knee	0	review
Wilcox, C. L.; Kelsberg, G.; Safranek, S.	Is intra-articular platelet-rich plasma injection an effective treatment for knee OA?	0	review
Moezy, A.; Aliyari, Z.; Kavand, S.	Buckling in the Iranian patients with knee osteoarthritis: Its frequency and correlation with physical activities and falling	2019	irrelevant topic; knee buckling and fall risk
Alden, K. J.; Harris, S.; Hubbs, B.; Kot, K.; Istwan, N. B.; Mason, D.	Micronized Dehydrated Human Amnion Chorion Membrane Injection in the Treatment of Knee Osteoarthritis-A Large Retrospective Case Series	2019	only one comparison group
Delva, M. L.; Samuel, L. T.; Roth, A.; Yalcin, S.; Kamath, A. F.	Contemporary Knee Osteotomy in the United States: High Tibial Osteotomy and Distal Femoral Osteotomy Have Comparable Complication Rates despite Differing Demographic Profiles	2019	HTO and DFO for deformity correction
Farr, J.; Gomoll, A. H.; Yanke, A. B.; Strauss, E. J.; Mowry, K. C.	Erratum to: A randomized controlled single-blind study demonstrating superiority of amniotic suspension allograft injection over hyaluronic acid and saline control for modification of knee osteoarthritis symptoms (Journal of Knee Surgery 32: 11 DOI: 10.1055/s-0039-1696672)	2019	edit to a study, not a study itself
Farr, J.; Gomoll, A. H.; Yanke, A. B.; Strauss, E. J.; Mowry, K. C.; A. S. A. Study Group	Erratum to: A Randomized Controlled Single-Blind Study Demonstrating Superiority of Amniotic Suspension Allograft Injection over Hyaluronic Acid and Saline Control for Modification of Knee Osteoarthritis Symptoms	0	edit to a study, not a study itself
Lee, O. S.; Ahn, S.; Lee, Y. S.	Comparison of the Leg-Length Change between Opening- and Closing-Wedge High Tibial Osteotomy: A Systematic Review and Meta-Analysis	0	systematic review
Ren, Y. M.; Duan, Y. H.; Sun, Y. B.; Yang, T.; Hou, W. Y.; Zhu, R. S.; Tian, M. Q.	Opening-Wedge High Tibial Osteotomy Using Autograft versus Allograft: A Systematic Review and Meta-Analysis	2019	systematic review
Yao, R. Z.; Liu, W. Q.; Sun, L. Z.; Yu, M. D.; Wang, G. L.	Effectiveness of High Tibial Osteotomy with or without Other Procedures for Medial Compartment Osteoarthritis of Knee: An Update Meta-Analysis	2020	systematic review
Wei, W.; Gandhi, K.; Blauer-Peterson, C.; Johnson, J.	Impact of Pain Severity and Opioid Use on Health Care Resource Utilization and Costs Among Patients with Knee and Hip Osteoarthritis	0	unclear if 80% OAK

Hewlings, S.; Kalman, D.; Schneider, L. V.	A Randomized, Double-Blind, Placebo-Controlled, Prospective Clinical Trial Evaluating Water-Soluble Chicken Eggshell Membrane for Improvement in Joint Health in Adults with Knee Osteoarthritis	0	not relevant to pico question
Li, J.; Shao, Q.; Zhu, X.; Sun, G.	Efficacy of autologous bone marrow mesenchymal stem cells in the treatment of knee osteoarthritis and their effects on the expression of serum TNF-alpha and IL-6	0	arthroscopic debridement
Luc-Harkey, B. A.; Blackburn, J. T.; Ryan, E. D.; Harkey, M. S.; Davis, H. C.; Gaynor, B. R.; Nissman, D. B.; Spang, J. T.; Pietrosimone, B.	Quadriceps Rate of Torque Development and Disability in Persons With Tibiofemoral Osteoarthritis	0	irrelevant topic; quadriceps rate of torque development
Robson, E. K.; Hodder, R. K.; Kamper, S. J.; O'Brien, K. M.; Williams, A.; Lee, H.; Wolfenden, L.; Yoong, S.; Wiggers, J.; Barnett, C.; Williams, C. M.	Effectiveness of Weight Loss Interventions for Reducing Pain and Disability in People With Common Musculoskeletal Disorders: A Systematic Review With Meta-Analysis	0	systematic review
Kuwashima, U.; Okazaki, K.; Iwasaki, K.; Akasaki, Y.; Kawamura, H.; Mizu-Uchi, H.; Hamai, S.; Nakashima, Y.	Patient reported outcomes after high tibial osteotomy show comparable results at different ages in the mid-term to long-term follow-up	0	irrelevant topic; groups divided by age
Tanaka, R.; Hirohama, K.; Kurashige, Y.; Mito, K.; Miyamoto, S.; Masuda, R.; Morita, T.; Yokota, S.; Sato, S.	Prediction models considering psychological factors to identify pain relief in conservative treatment of people with knee osteoarthritis: A multicenter, prospective cohort study	2019	no physical therapy control group
Chen, P.; Huang, L.; Ma, Y.; Zhang, D.; Zhang, X.; Zhou, J.; Ruan, A.; Wang, Q.	Intra-articular platelet-rich plasma injection for knee osteoarthritis: a summary of meta-analyses	0	review
Hartz, C.; Wischatta, R.; Klostermeier, E.; Paetzold, M.; Gerlach, K.; Pries, F.	Plate-related results of opening wedge high tibial osteotomy with a carbon fiber reinforced poly-ether-ether-ketone (CF-PEEK) plate fixation: a retrospective case series of 346 knees	0	single arm retrospective
Sawaguchi, T.; Takeuchi, R.; Nakamura, R.; Yonekura, A.; Akiyama, T.; Kerstan, M.; Goldhahn, S.	Outcome after treatment of osteoarthritis with open-wedge high-tibial osteotomy with a plate: 2-year results of a Japanese cohort study	2019	non-specific comparison group
Wu, Q.; Luo, X.; Xiong, Y.; Liu, G.; Wang, J.; Chen, X.; Mi, B.	Platelet-rich plasma versus hyaluronic acid in knee osteoarthritis: A meta-analysis with the consistent ratio of injection	2020	systematic review* References Reviewed
Dubin, J. A.; Westrich, G. H.	Mid-level constraint may correct coronal plane imbalance without compromising patient function in patients with severe osteoarthritis	0	TKA study



Kenmochi, M.	Clinical outcomes following injections of leukocyte-rich platelet-rich plasma in osteoarthritis patients	0	case series
Sethi, G.; Aljawadi, A.; Elmajee, M.; Pillai, A.	Determination of the postoperative limb alignment following a high tibial osteotomy in patients with uni-compartmental knee osteoarthritis, review article	0	review
Paolucci, T.; Bellomo, R. G.; Centra, M. A.; Giannandrea, N.; Pezzi, L.; Saggini, R.	Mesotherapy in the treatment of musculoskeletal pain in rehabilitation: The state of the art	2019	systematic review, not only OAK
Srivastava, S.; Chaudhary, J. A.; Girandola, R. N.	Effect Of E-OA-07 On Improving Joint Health And Mobility In Individuals With Knee Osteoarthritis: A Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study	0	< 30 pts per group; n1 = 21, n2 = 23
Dantas, L. O.; Breda, C. C.; da Silva Serrao, P. R. M.; Aburquerque-Sendin, F.; Serafim Jorge, A. E.; Cunha, J. E.; Barbosa, G. M.; Durigan, J. L. Q.; Salvini, T. F.	Short-term cryotherapy did not substantially reduce pain and had unclear effects on physical function and quality of life in people with knee osteoarthritis: a randomised trial	0	< 4 week follow-up; 5 day
Dai, Z.; Neogi, T.; Brown, C.; Nevitt, M.; Lewis, C. E.; Torner, J.; Felson, D. T.	Sleep quality is related to worsening knee pain in those with widespread pain: The Multicenter Osteoarthritis Study	2019	irrelevant topic; sleep and OA
Chen, S. C.; Ding, S. B.; Xie, B. C.; Tian, H.; Lu, C. Y.	Are aquatic exercises efficacious in postmenopausal women with knee osteoarthritis? A meta-analysis of randomized controlled trials	0	meta analysis
Si, Y.; Ma, Y.; Guo, Y.; Pan, Y.; Zheng, S.; Xu, G.; Da, W.; Xu, L.	Efficacy and safety of Shaoyang Xibi decoction in patients with knee osteoarthritis: a multi-center, single-blind, randomized controlled trial	0	not relevant comparison to pico question
Li, C. F.; Chen, Y. J.; Lin, T. Y.; Hsiao, Y. H.; Fu, J. C.; Chen, C. H.; Lee, C. L.	Immediate responses of multi-focal low level laser therapy on quadriceps in knee osteoarthritis patients	0	<30 patients per group
Booij, M. J.; Richards, R.; Harlaar, J.; van den Noort, J. C.	Effect of walking with a modified gait on activation patterns of the knee spanning muscles in people with medial knee osteoarthritis	0	< 30 pts per group; n1 = 27, n2 = 28
Gulagaci, F.; Jacquet, C.; Ehlinger, M.; Sharma, A.; Kley, K.; Wilson, A.; Parratte, S.; Ollivier, M.	A protective hinge wire, intersecting the osteotomy plane, can reduce the occurrence of perioperative hinge fractures in medial opening wedge osteotomy	2019	irrelevant topic; groups categorized by hinge fracture types

Jacquet, C.; Gulagaci, F.; Schmidt, A.; Pendse, A.; Parratte, S.; Argenson, J. N.; Ollivier, M.	Opening wedge high tibial osteotomy allows better outcomes than unicompartmental knee arthroplasty in patients expecting to return to impact sports	2020	retrospective review
Jo, I. H.; Lee, O. S.; Lee, S. H.; Kim, K. W.; Lee, Y. S.	Retro-tubercular gap widening can be caused by inappropriate anterior osteotomy and large opening gap in the medial biplanar open-wedge HTO	0	joint spacing
Kanto, R.; Nakayama, H.; Iseki, T.; Onishi, S.; Ukon, R.; Kanto, M.; Kambara, S.; Yoshiya, S.; Tachibana, T.	Return to sports rate after opening wedge high tibial osteotomy in athletes	2020	only one comparison group
Mistry, H.; Metcalfe, A.; Smith, N.; Loveman, E.; Colquitt, J.; Royle, P.; Waugh, N.	The cost-effectiveness of osteochondral allograft transplantation in the knee	0	systematic review* References Reviewed
Ogawa, H.; Matsumoto, K.; Akiyama, H.	ACL degeneration after an excessive increase in the medial proximal tibial angle with medial open wedge high tibial osteotomy	0	irrelevant topic; ACL injury
Park, J. G.; Kim, J. M.; Lee, B. S.; Lee, S. M.; Kwon, O. J.; Bin, S. I.	Increased preoperative medial and lateral laxity is a predictor of overcorrection in open wedge high tibial osteotomy	2019	Irrelevant Topic: Biomarkers
Prien, A.; Boudabous, S.; Junge, A.; Verhagen, E.; Delattre, B. M. A.; Tscholl, P. M.	Every second retired elite female football player has MRI evidence of knee osteoarthritis before age 50 years: a cross-sectional study of clinical and MRI outcomes	0	single arm trial
Shanmugaraj, A.; Tejpal, T.; Ekhtiari, S.; Gohal, C.; Horner, N.; Hanson, B.; Khan, M.; Bhandari, M.	The repair of horizontal cleavage tears yields higher complication rates compared to meniscectomy: a systematic review	0	systematic review
Van Genechten, W.; Van den Bempt, M.; Van Tilborg, W.; Bartholomeeusen, S.; Van Den Bogaert, G.; Claes, T.; Claes, S.	Structural allograft impaction enables fast rehabilitation in opening-wedge high tibial osteotomy: a consecutive case series with one year follow-up	2019	only one comparison group
Berruto, M.; Maione, A.; Tradati, D.; Ferrua, P.; Ubaldi, F. M.; Usellini, E.	Closing-wedge high tibial osteotomy, a reliable procedure for osteoarthritic varus knee	2020	single arm retrospective
Kawata, M.; Jo, T.; Taketomi, S.; Inui, H.; Yamagami, R.; Matsui, H.; Fushimi, K.; Yasunaga, H.; Tanaka, S.	Type of bone graft and primary diagnosis were associated with nosocomial surgical site infection after high tibial osteotomy: analysis of a national database	2020	irrelevant topic; infection occurrence

Kim, C.; Bin, S. I.; Kim, J. M.; Lee, B. S.; Kim, T. H.	Progression of radiographic osteoarthritis after partial meniscectomy in degenerative medial meniscal posterior root tears was greater in varus- than in neutral-aligned knees: a minimum 5-year follow-up	2020	irrelevant topic; OA progression
Palmer, J. S.; Jones, L. D.; Monk, A. P.; Nevitt, M.; Lynch, J.; Beard, D. J.; Javaid, M. K.; Price, A. J.	Varus alignment of the proximal tibia is associated with structural progression in early to moderate varus osteoarthritis of the knee	2020	prognostic factor study: varus alignment
Phillips, M.; Vannabouathong, C.; Devji, T.; Patel, R.; Gomes, Z.; Patel, A.; Dixon, M.; Bhandari, M.	Differentiating factors of intra-articular injectables have a meaningful impact on knee osteoarthritis outcomes: a network meta-analysis	2020	systematic review* References Reviewed
Shivji, F. S.; Foster, A.; Risebury, M. J.; Wilson, A. J.; Yassen, S. K.	Ten-year survival rate of 89% after distal femoral osteotomy surgery for lateral compartment osteoarthritis of the knee	2020	irrelevant topic; compartment survival rate
Takagawa, S.; Kobayashi, N.; Yukizawa, Y.; Oishi, T.; Tsuji, M.; Inaba, Y.	Preoperative soft tissue laxity around knee was associated with less accurate alignment correction after hybrid closed-wedge high tibial osteotomy	2019	<30 patients per group
Osani, M. C.; Bannuru, R. R.	Efficacy and safety of duloxetine in osteoarthritis: A systematic review and meta-analysis	2019	systematic review* References Reviewed
Kroon, F. P. B.; Kortekaas, M. C.; Boonen, A.; Bohringer, S.; Reijnierse, M.; Rosendaal, F. R.; Riyazi, N.; Starmans, M.; Turkstra, F.; van Zeben, J.; Allaart, C. F.; Kloppenburg, M.	Results of a 6-week treatment with 10 mg prednisolone in patients with hand osteoarthritis (HOPE): a double-blind, randomised, placebo-controlled trial	0	irrelevant topic; hand OA
Lin, L.; Cheng, K.; Tan, M. T.; Zhao, L.; Huang, Z.; Yao, C.; Wu, F.; Zhang, H.; Shen, X.	Comparison of the effects of 10.6-µm infrared laser and traditional moxibustion in the treatment of knee osteoarthritis	2019	review
Lin, L.; Cheng, K.; Tan, M. T.; Zhao, L.; Huang, Z.; Yao, C.; Wu, F.; Zhang, H.; Shen, X.	Comparison of the effects of 10.6-µm infrared laser and traditional moxibustion in the treatment of knee osteoarthritis	2019	two studies combined
Apurba, G.	Evaluation of a Cost-Effective Novel Diagnostic Method for Lumbar Herniated Disc with Knee-Osteoarthritis: A Randomized Sample Study	2019	not relevant to pico question
Chen, Z.; Wang, C.; You, D.; Zhao, S.; Zhu, Z.; Xu, M.	Platelet-rich plasma versus hyaluronic acid in the treatment of knee osteoarthritis: A meta-analysis	0	systematic review
Huang, R.; Li, W.; Zhao, Y.; Yang, F.; Xu, M.	Clinical efficacy and safety of stem cell therapy for knee osteoarthritis: A meta-analysis	0	systematic review

Kim, M. S.; Cho, R. K.; In, Y.	The efficacy and safety of polydeoxyribonucleotide for the treatment of knee osteoarthritis: Systematic review and meta-analysis of randomized controlled trials	0	systematic review* References Reviewed
Li, S.; Chai, X. N.; Zuo, C. Y.; Lv, P.; Tang, Y.; Tan, H. J.; Liu, L. Z.; Yin, H. Y.; Yu, S. G.	Metabolic profiling of dialysate at sensitized acupoints in knee osteoarthritis patients: A study protocol	2019	protocol only - no results
Kraus, V. B.; Sprow, K.; Powell, K. E.; Buchner, D.; Bloodgood, B.; Piercy, K.; George, S. M.; Kraus, W. E.; Physical Activity Guidelines Advisory, Committee	Effects of Physical Activity in Knee and Hip Osteoarthritis: A Systematic Umbrella Review	0	systematic review
Pietrosimone, B.; Luc-Harkey, B. A.; Harkey, M. S.; Davis-Wilson, H. C.; Pfeiffer, S. J.; Schwartz, T. A.; Nissman, D.; Padua, D. A.; Blackburn, J. T.; Spang, J. T.	Using TENS to Enhance Therapeutic Exercise in Individuals with Knee Osteoarthritis	2020	Sample Size too Small (n < 30 per group)
Chen, S.; Sun, Y.; Ma, G.; Yin, X.; Liang, L.	The wedge insole for the treatment of knee osteoarthritis: A systematic review protocol	2019	systematic review protocol
Huang, H.; Huang, S.; Liang, G.; Zeng, L.; Pan, J.; Yang, W.; Chen, H.; Liu, J.; Pan, B.	Comparison of kidney-tonifying and blood-activating medicinal herbs vs NSAIDs in patients with knee osteoarthritis: A protocol for a systematic review and meta-analysis	2020	systematic review protocol
Huang, H.; Huang, S.; Liang, G.; Zeng, L.; Pan, J.; Yang, W.; Chen, H.; Liu, J.; Pan, B.	Is high tibial osteotomy better than proximal fibula osteotomy for treating knee osteoarthritis? A protocol for a systematic review and meta-analysis of clinical controlled trials	2020	systematic review protocol
Wang, X.; Xu, Q.; Qiu, H.; Zhu, Z.; Wang, Y.; Yang, S.; Si, Z.; Shen, D.; Wang, X.; Di, Y.; Lu, C.; Kang, X.	Acupotomy for knee osteoarthritis: A systematic review protocol	2019	systematic review protocol
Zhang, R.; Li, L.; Chen, B.; Liu, H.; Liu, J.; Zhang, L.; Xiu, Z.	Acupotomy versus nonsteroidal anti-inflammatory drugs for knee osteoarthritis: Protocol for a systematic review and meta-analysis	2019	systematic review protocol
Lo, G. H.; McAlindon, T. E.; Kriska, A. M.; Price, L. L.; Rockette-Wagner, B. J.; Mandl, L. A.; Eaton, C. B.; Hochberg, M. C.; Jackson, R. D.; Kwok, C. K.; Nevitt, M. C.; Driban, J. B.	Football Increases Future Risk of Symptomatic Radiographic Knee Osteoarthritis	2020	irrelevant topic; OA risk factors

Prodromos, C. C.; Finkle, S.; Dawes, A.; Dizon, A.	Intra-Articular Laser Treatment Plus Platelet Rich Plasma (PRP) Significantly Reduces Pain in Many Patients Who Had Failed Prior PRP Treatment	2019	KOA Population < 80%
Ripani, U.; Manzarbeitia-Arroba, P.; Guijarro-Leo, S.; Urrutia-Grana, J.; De Masi-De Luca, A.	Vitamin C May Help to Reduce the Knee's Arthritic Symptoms. Outcomes Assessment of Nutraceutical Therapy	0	not relevant to pico question
Sun, H.; Jiang, X.; Sun, W.; Zhang, H.; Ren, K.	Changes in the expression levels of IL-1 $\beta$ , TNF- $\alpha$ and TLR4 in synovial fluid before and after arthroscopic debridement	2018	letter to the editor
Mladenova, I.	The potential involvement of human microbiota in osteoarthritis: encouraging data useful for future studies	0	editorial
de Rooij, M.; van der Leeden, M.; van der Esch, M.; Lems, W. F.; Meesters, J. J. L.; Peter, W. F.; Roorda, L. D.; Terbraak, M. S.; Vredevelde, T.; Vliet Vlieland, T. P. M.; Dekker, J.	Evaluation of an educational course for primary care physiotherapists on comorbidity-adapted exercise therapy in knee osteoarthritis: an observational study	2020	<30 patients per group
Ross, A.; Gascon, G. M.; Snow, R.; Sawchyn, G.; DeRoads, K.; Ruane, J. J.	Outcomes of a conservative care program for knee osteoarthritis through translation of research into practice	2020	single arm trial
Boer, C. G.; Radjabzadeh, D.; Medina-Gomez, C.; Garmaeva, S.; Schiphof, D.; Arp, P.; Koet, T.; Kurilshikov, A.; Fu, J.; Ikram, M. A.; Bierma-Zeinstra, S.; Uitterlinden, A. G.; Kraaij, R.; Zhernakova, A.; van Meurs, J. B. J.	Intestinal microbiome composition and its relation to joint pain and inflammation	0	prognostic factor study: microbiome composition
McAlindon, T. E.; Bannuru, R. R.	Osteoarthritis in 2017: Latest advances in the management of knee OA	0	review
Onuora, S.	Gut microbiome linked with OA knee pain	2020	research highlight
de Sire, A.; de Sire, R.; Petite, V.; Masi, L.; Cisari, C.; Gasbarrini, A.; Scaldaferrri, F.; Invernizzi, M.	Gut-joint axis: The role of physical exercise on gut microbiota modulation in older people with osteoarthritis	2020	non-systematic review
Veronese, N.; La Tegola, L.; Caruso, M. G.; Maggi, S.; Guglielmi, G.	The association between dietary magnesium intake and magnetic resonance parameters for knee osteoarthritis	2019	prognostic factor study: dietary magnesium intake
Zeng, J. J.; Wang, H. D.; Shen, Z. W.; Yao, X. D.; Wu, C. J.; Pan, T.	Curcumin Inhibits Proliferation of Synovial Cells by Downregulating Expression of Matrix Metalloproteinase-3 in Osteoarthritis	0	irrelevant topic; gene expression

Hoorntje, A.; Kuijer, P. P. F. M.; van Ginneken, B. T.; Koenraadt, K. L. M.; van Geenen, R. C. I.; Kerkhoffs, G. M. M. J.; van Heerwaarden, R. J.	Predictors of Return to Work After High Tibial Osteotomy: The Importance of Being a Breadwinner	2019	prognostic factor study: preop "breadwinner"
Miller, L. E.; Fredericson, M.; Altman, R. D.	Hyaluronic Acid Injections or Oral Nonsteroidal Anti-inflammatory Drugs for Knee Osteoarthritis: Systematic Review and Meta-analysis of Randomized Trials	0	systematic review* References Reviewed
Sonesson, S.; Kvist, J.; Jakob, J.; Hedevik, H.; Gauffin, H.	Knee Arthroscopic Surgery in Middle-Aged Patients With Meniscal Symptoms: A 5-Year Follow-up of a Prospective, Randomized Study	0	not specific to arthoscopy treatments in pico questions
Vilchez-Cavazos, F.; Millan-Alanis, J. M.; Blazquez-Saldana, J.; Alvarez-Villalobos, N.; Pena-Martinez, V. M.; Acosta-Olivo, C. A.; Simental-Mendia, M.	Comparison of the Clinical Effectiveness of Single Versus Multiple Injections of Platelet-Rich Plasma in the Treatment of Knee Osteoarthritis: A Systematic Review and Meta-analysis	0	systematic review* References Reviewed
Lavoie, F.; Gastineau, C.; Denis, A.; Al-Shafka, F.	Role of constraining staple on tibial slope in open wedge osteotomy: A comparative study	0	irrelevant topic; post op osteotomy physiology
Benner, R. W.; Shelbourne, K. D.; Bauman, S. N.; Norris, A.; Gray, T.	Knee Osteoarthritis: Alternative Range of Motion Treatment	0	non-systematic review
Vakharia, R. M.; Roche, M. W.; Alcerro, J. C.; Lavernia, C. J.	The Current Status of Cell-Based Therapies for Primary Knee Osteoarthritis	0	systematic review
Goh, E. L.; Lou, W. C. N.; Chidambaram, S.; Ma, S.	The role of joint distraction in the treatment of knee osteoarthritis: a systematic review and quantitative analysis	0	systematic review
Migliore, A.; Frediani, B.; Gigliucci, G.; Foti, C.; Crimaldi, S.; De Lucia, O.; Iolascon, G.	Efficacy of a Single Intra-Articular HYMOVIS ONE Injection for Managing Symptomatic Hip Osteoarthritis: A 12-Month Follow-Up Retrospective Analysis of the ANTIAGE Register Data	0	irrelevant topic; hip OA
Daugaard, C. L.; Hangaard, S.; Bartels, E. M.; Gudbergesen, H.; Christensen, R.; Bliddal, H.; Englund, M.; Conaghan, P. G.; Boesen, M.	The effects of weight loss on imaging outcomes in osteoarthritis of the hip or knee in people who are overweight or obese: a systematic review	0	systematic review
Daugaard, C. L.; Henriksen, M.; Riis, R. G. C.; Bandak, E.; Nybing, J. D.; Hangaard, S.; Bliddal, H.; Boesen, M.	The impact of a significant weight loss on inflammation assessed on DCE-MRI and static MRI in knee osteoarthritis: a prospective cohort study	2020	case series

Hunt, M. A.; Charlton, J. M.; Esculier, J. F.	Osteoarthritis year in review 2019: mechanics	0	review
Kijowski, R.; Demehri, S.; Roemer, F.; Guermazi, A.	Osteoarthritis year in review 2019: imaging	0	review
Krupka, E.; Jiang, G. L.; Jan, C.	Efficacy and safety of intra-articular injection of tropomyosin receptor kinase A inhibitor in painful knee osteoarthritis: a randomized, double-blind and placebo-controlled study	0	not relevant to pico question
Leung, Y. Y.; Haaland, B.; Huebner, J. L.; Wong, S. B. S.; Tjai, M.; Wang, C.; Chowbay, B.; Thumboo, J.; Chakraborty, B.; Tan, M. H.; Kraus, V. B.	Colchicine lack of effectiveness in symptom and inflammation modification in knee osteoarthritis (COLKOA): a randomized controlled trial	0	not relevant to pico question
Munugoda, I. P.; Beavers, D. P.; Wirth, W.; Aitken, D. A.; Loeser, R. F.; Miller, G. D.; Lyles, M.; Carr, J. J.; Guermazi, A.; Hunter, D. J.; Messier, S. P.; Eckstein, F.	The effect of weight loss on the progression of meniscal extrusion and size in knee osteoarthritis: a post-hoc analysis of the Intensive Diet and Exercise for Arthritis (IDEA) trial	0	irrelevant topic; progression of meniscal extrusion
Skou, S. T.; Roos, E. M.; Laursen, M.; Arendt-Nielsen, L.; Rasmussen, S.; Simonsen, O.; Ibsen, R.; Larsen, A. T.; Kjellberg, J.	Cost-effectiveness of 12 weeks of supervised treatment compared to written advice in patients with knee osteoarthritis: a secondary analysis of the 2-year outcome from a randomized trial	2020	confounded treatment comparison for pico question
Zhou, L.; Kwok, C. K.; Ran, D.; Ashbeck, E. L.; Lo-Ciganic, W. H.	Lack of evidence that beta blocker use reduces knee pain, areas of joint pain, or analgesic use among individuals with symptomatic knee osteoarthritis	0	single arm trial
Liu, Y.; Ding, W.; Wang, H. L.; Dai, L. L.; Zong, W. H.; Wang, Y. Z.; Bi, J.; Han, W.; Dong, G. J.	Gut microbiota and obesity-associated osteoarthritis	2019	irrelevant topic; OA risk factors
Soutakbar, H.; Lamb, S. E.; Silman, A. J.	The different influence of high levels of physical activity on the incidence of knee OA in overweight and obese men and women-a gender specific analysis	2019	prospective cohort
Wei, J.; Wood, M. J.; Dubreuil, M.; Tomasson, G.; LaRochelle, M. R.; Zeng, C.; Lu, N.; Lin, J.; Choi, H. K.; Lei, G.; Zhang, Y.	Association of tramadol with risk of myocardial infarction among patients with osteoarthritis	2020	irrelevant topic; myocardial infarction among patients with osteoarthritis

Kivitz, A. J.; Conaghan, P. G.; Cinar, A.; Lufkin, J.; Kelley, S. D.	Rescue Analgesic Medication Use by Patients Treated with Triamcinolone Acetonide Extended-Release for Knee Osteoarthritis Pain: Pooled Analysis of Three Phase 2/3 Randomized Clinical Trials	0	pooled analysis
Kapural, L.; Deering, J. P.	A technological overview of cooled radiofrequency ablation and its effectiveness in the management of chronic knee pain	2020	non-systematic review
Kern, K. U.; Sohns, M.; Heckes, B.; Elling, C.	Tapentadol prolonged release for severe chronic osteoarthritis pain in the elderly: Improvements in daily functioning and quality of life	2020	irrelevant topic; OA and age
Lash, D.; Frantz, E.; Hurdle, M. F.	Ultrasound-guided cooled radiofrequency ablation of the genicular nerves: a technique paper	2020	technique review
Koffel, E.; Kats, A. M.; Kroenke, K.; Bair, M. J.; Gravely, A.; DeRonne, B.; Donaldson, M. T.; Goldsmith, E. S.; Noorbaloochi, S.; Krebs, E. E.	Sleep Disturbance Predicts Less Improvement in Pain Outcomes: Secondary Analysis of the SPACE Randomized Clinical Trial	2019	KOA Population < 80%
Lazaridou, A.; Martel, M. O.; Cornelius, M.; Franceschelli, O.; Campbell, C.; Smith, M.; Haythornthwaite, J. A.; Wright, J. R.; Edwards, R. R.	The Association Between Daily Physical Activity and Pain Among Patients with Knee Osteoarthritis: The Moderating Role of Pain Catastrophizing	0	<4 week follow up
Strath, L. J.; Jones, C. D.; Philip George, A.; Lukens, S. L.; Morrison, S. A.; Soleymani, T.; Locher, J. L.; Gower, B. A.; Sorge, R. E.	The Effect of Low-Carbohydrate and Low-Fat Diets on Pain in Individuals with Knee Osteoarthritis	0	<30 patients per group
Wang, Y. C.; Huang, H. T.; Huang, P. J.; Liu, Z. M.; Shih, C. L.	Efficacy and Safety of Extracorporeal Shockwave Therapy for Treatment of Knee Osteoarthritis: A Systematic Review and Meta-analysis	0	systematic review* References Reviewed
Ajrawat, P.; Radomski, L.; Bhatia, A.; Peng, P.; Nath, N.; Gandhi, R.	Radiofrequency Procedures for the Treatment of Symptomatic Knee Osteoarthritis: A Systematic Review	2020	systematic review
Araya-Quintanilla, F.; Gutierrez-Espinoza, H.; Munoz-Yanez, M. J.; Sanchez-Montoya, U.; Lopez-Jeldes, J.	Effectiveness of Ginger on Pain and Function in Knee Osteoarthritis: A PRISMA Systematic Review and Meta-Analysis	0	systematic review
Kapural, 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	0	single arm retrospective



Manchikanti, L.; Centeno, C. J.; Atluri, S.; Albers, S. L.; Shapiro, S.; Malanga, G. A.; Abd-Elseyed, A.; Jerome, M.; Hirsch, J. A.; Kaye, A. D.; Aydin, S. M.; Beall, D.; Buford, D.; Borg-Stein, J.; Buenaventura, R. M.; Cabaret, J. A.; Calodney, A. K.; Candido, K. D.; Cartier, C.; Latchaw, R.; Diwan, S.; Dodson, E.; Fausel, Z.; Fredericson, M.; Gharibo, C. G.; Gupta, M.; Kaye, A. M.; Knezevic, N. N.; Kosanovic, R.; Lucas, M.; Manchikanti, M. V.; Mason, R. A.; Mautner, K.; Murala, S.; Navani, A.;	Bone Marrow Concentrate (BMC) Therapy in Musculoskeletal Disorders: Evidence-Based Policy Position Statement of American Society of Interventional Pain Physicians (ASIPP)	0	review
Uckun, A. C.; Donmez, B. K.; Yurdakul, F. G.; Garip, Y.; Bodur, H.	The Role of Pain Catastrophizing and Depression in the Outcomes of Physical Therapy in a Prospective Osteoarthritis Cohort	0	irrelevant topic; observational, no treatment group
Wang, R.; Ma, C.; Han, Y.; Tan, M.; Lu, L.	Effectiveness of Denervation Therapy on Pain and Joint Function for Patients with Refractory Knee Osteoarthritis: A Systematic Review and Meta-Analysis	0	systematic review
Hunter, C.; Davis, T.; Loudermilk, E.; Kapural, L.; DePalma, M.	Cooled Radiofrequency Ablation Treatment of the Genicular Nerves in the Treatment of Osteoarthritic Knee Pain: 18- and 24-Month Results	0	no results for control group
Yuan, T.; Xiong, J.; Wang, X.; Yang, J.; Jiang, Y.; Zhou, X.; Liao, K.; Xu, L.	The Effectiveness and Safety of Moxibustion for Treating Knee Osteoarthritis: A PRISMA Compliant Systematic Review and Meta-Analysis of Randomized Controlled Trials	0	systematic review
Luo, P.; Xiong, Z.; Sun, W.; Shi, L.; Gao, F.; Li, Z.	How to Choose Platelet-Rich Plasma or Hyaluronic Acid for the Treatment of Knee Osteoarthritis in Overweight or Obese Patients: A Meta-Analysis	2020	systematic review* References Reviewed
Saltzman, B. M.; Frank, R. M.; Davey, A.; Cotter, E. J.; Redondo, M. L.; Naveen, N.; Wang, K. C.; Cole, B. J.	Lack of standardization among clinical trials of injection therapies for knee osteoarthritis: a systematic review	0	systematic review

Knoop, J.; Dekker, J.; van der Leeden, M.; de Rooij, M.; Peter, W. F. H.; van Bodegom-Vos, L.; van Dongen, J. M.; LopuhÃ¤a, N.; Bennell, K. L.; Lems, W. F.; van der Esch, M.; Vliet Vlieland, T. P. M.; Ostelo, R. W. J. G.	Stratified exercise therapy compared with usual care by physical therapists in patients with knee osteoarthritis: A randomized controlled trial protocol (OCTOPuS study)	2020	study protocol
Molyneux, J.; Herrington, L.; Riley, B.; Jones, R.	A single-arm, non-randomized investigation into the short-term effects and follow-up of a 4-week lower limb exercise programme on kinesiophobia in individuals with knee osteoarthritis	2020	<30 patients per group
Osteras, N.; Moseng, T.; van Bodegom-Vos, L.; Dziedzic, K.; Mdala, I.; Natvig, B.; Rotterud, J. H.; Schjervheim, U. B.; Vlieland, T. V.; Andreassen, O.; Hansen, J. N.; Hagen, K. B.	Implementing a structured model for osteoarthritis care in primary healthcare: A stepped-wedge cluster-randomised trial	0	municipalities randomized
Dahlberg, L. E.; Dell'Isola, A.; Lohmander, L. S.; Nero, H.	Improving osteoarthritis care by digital means - Effects of a digital self-management program after 24- or 48-weeks of treatment	2020	case
Jonsson, T.; Eek, F.; Dell'Isola, A.; Dahlberg, L. E.; Ekvall Hansson, E.	The Better Management of Patients with Osteoarthritis Program: Outcomes after evidence-based education and exercise delivered nationwide in Sweden	0	no comparison group
Lo, G. H.; Ikpeama, U. E.; Driban, J. B.; Kriska, A. M.; McAlindon, T. E.; Petersen, N. J.; Storti, K. L.; Eaton, C. B.; Hochberg, M. C.; Jackson, R. D.; Kwoh, C. K.; Nevitt, M. C.; Suarez-Almazor, M. E.	Evidence that Swimming May Be Protective of Knee Osteoarthritis: Data from the Osteoarthritis Initiative	2019	irrelevant topic; OA prevalence in swimmers
Haj-Mirzaian, A.; Mohajer, B.; Guerrazi, A.; Conaghan, P. G.; Lima, J. A. C.; Blaha, M. J.; Bingham, C. O.; Roemer, F. W.; Cao, X.; Demehri, S.	Statin Use and Knee Osteoarthritis Outcome Measures according to the Presence of Heberden Nodes: Results from the osteoarthritis initiative	2019	groups assigned according to presence of Heberden Nodes
Song, J. S.; Hong, K. T.; Kim, N. M.; Jung, J. Y.; Park, H. S.; Lee, S. H.; Cho, Y. J.; Kim, S. J.	Implantation of allogenic umbilical cord blood-derived mesenchymal stem cells improves knee osteoarthritis outcomes: Two-year follow-up	0	case series

Kamalakannan, M.; Karthik,	Efficacy of proprioception training for tibiofemoral arthritis in relation with pain and functional disability	2019	<30 patients per group
Akintayo, R. O.; Yerima, A.; Uhunmwangho, C.; Olaosebikan, H.; Akpabio, A. A.	Tossing and turning with degenerative arthropathy: An assessment of poor sleep quality in knee osteoarthritis	2019	prognostic factor study: predictors for poor sleep quality in oa pts
Ariel de Lima, D.; Goncalves, M. C. K.; Grando, Stces; Cintra, T. L. L.; Pinto, D. M.; Goncalves, R. K.	Indications of the Neurotomy of Genicular Nerves by Radiofrequency for the Treatment of Knee Osteoarthritis: A Literature Review	0	literature review
Mackowiak, J.; Jones, J. T.; Dasa, V.	A comparison of 4-year total medical care costs, adverse outcomes, and opioid/prescription analgesic use for 3 knee osteoarthritis pain treatments: Intra-articular hyaluronic acid, intra-articular corticosteroids, and knee arthroplasty	2020	not a full cost effectiveness analysis
Habib, M. K.; Khan, Z. A.	Radiological, functional, and anatomical outcome in patients with osteoarthritic knee undergoing high tibial osteotomy	0	<30 patients per group
Kubota, M.; Kim, Y.; Sato, T.; Yamaguchi, J.; Ohno, R.; Kaneko, K.; Ishijima, M.	The actual knee function was not influenced by joint line obliquity after open-wedge high tibial osteotomy	0	single arm trial
Johal, H.; Khan, M.; Yung, S. P.; Dhillon, M. S.; Fu, F. H.; Bedi, A.; Bhandari, M.	Impact of Platelet-Rich Plasma Use on Pain in Orthopaedic Surgery: A Systematic Review and Meta-analysis	0	systematic review
McElheny, K.; Toresdahl, B.; Ling, D.; Mages, K.; Asif, I.	Comparative Effectiveness of Alternative Dosing Regimens of Hyaluronic Acid Injections for Knee Osteoarthritis: A Systematic Review	0	systematic review
Turner, M. N.; Hernandez, D. O.; Cade, W.; Emerson, C. P.; Reynolds, J. M.; Best, T. M.	The Role of Resistance Training Dosing on Pain and Physical Function in Individuals With Knee Osteoarthritis: A Systematic Review	0	systematic review
Di Matteo, B.; Vandenbulcke, F.; Vitale, N. D.; Iacono, F.; Ashmore, K.; Marcacci, M.; Kon, E.	Minimally Manipulated Mesenchymal Stem Cells for the Treatment of Knee Osteoarthritis: A Systematic Review of Clinical Evidence	0	systematic review* References Reviewed
Salem, H. S.; Parvizi, J.; Ehiorobo, J. O.; Mont, M. A.	The Safety and Efficacy of a Novel Cell-Based Gene Therapy for Knee Osteoarthritis	0	review
Bridges, M.; Hilliard, J.; Chui, K.	Effects of Light Therapy on Osteoarthritis and Its Sequelae in Aging and Older Adults: A Systematic Narrative Review	2020	systematic review

Fu, Y. B.; Li, B.; Sun, S. F.; Liu, H. L.; Wang, X.; Wang, S. S.; Zhang, F.; Du, X.; Ge, D. J.; Shang, L.; Liang, R. L.; Wang, L. N.; Yuan, F.; Sun, J. Q.; Chen, J. W.	Fire acupuncture for mild to moderate knee osteoarthritis: A protocol for a randomized controlled pilot trial	2019	protocol only - no results
Zhang, Q.; Fang, J.; Chen, L.; Wu, J.; Ni, J.; Liu, F.; Sun, J.	Different kinds of acupuncture treatments for knee osteoarthritis: a multicentre, randomized controlled trial	0	study protocol
Konya, Z. Y.; Akin Takmaz, S.; Basar, H.; Baltaci, B.; Babaoglu, G.	Results of genicular nerve ablation by radiofrequency in osteoarthritis-related chronic refractory knee pain	0	case series
Liu, Z.; Ma, L.; Bi, H. Y.	Clinical effect on knee osteoarthritis treated with Fu's subcutaneous needling therapy	2020	< 4 week follow-up; 1 wk
Tavassoli, M.; Janmohammadi, N.; Hosseini, A.; Khafri, S.; Esmailnejad-Ganji, S. M.	Single- and double-dose of platelet-rich plasma versus hyaluronic acid for treatment of knee osteoarthritis: A randomized controlled trial	0	< 30 pts per group; n1 = 28, n2 = 28, n3 = 27
Herbst, M.; Kuwashima, U.; Ahrend, M. D.; Gueorguiev, B. G.; Schroter, S.; Ihle, C.	Health-Related Quality of Life - an Underestimated Factor to Evaluate the Treatment Success after Open Wedge HTO Surgery: Prospective 6-Years Follow-Up	2020	not in english
Lohmander, L. S.; Dalen, N.; Englund, G.; Hamalainen, M.; Jensen, E. M.; Karlsson, K.; Odensten, M.; Ryd, L.; Sernbo, I.; Suomalainen, O.; Tegnander, A.	Intra-articular hyaluronan injections in the treatment of osteoarthritis of the knee: a randomised, double blind, placebo controlled multicentre trial. Hyaluronan Multicentre Trial Group	1996	duplicate publication
McCaffrey, R.; Park, J.; Newman, D.	Chair Yoga: Feasibility and Sustainability Study With Older Community- Dwelling Adults With Osteoarthritis	2017	irrelevant topic; any OA; KOA % not specified
Park, J.; McCaffrey, R.; Newman, D.; Cheung, C.; Hagen, D.	The effect of Sit 'n' Fit Chair Yoga among community-dwelling older adults with osteoarthritis	2014	Sample Size too Small (n < 30 per group)
Nieman, D. C.; Shanely, R. A.; Luo, B.; Dew, D.; Meaney, M. P.; Sha, W.	A commercialized dietary supplement alleviates joint pain in community adults: a double-blind, placebo-controlled community trial	2013	KOA Population < 80%
Espejo Antunez, L.; Caro Puertolas, B.; Ibanez Burgos, B.; Porto Payan, J. M.; Torres Piles, S. T.	Effects of mud therapy on perceived pain and quality of life related to health in patients with knee osteoarthritis	2013	Follow-Up Time Under Four Weeks
Soliman, DMI; Sherif, NM; Omar, OH; El Zohiery, AK	Healing effects of prolotherapy in treatment of knee osteoarthritis healing effects of prolotherapy in treatment of knee osteoarthritis	2016	<30 patients per group

## **AAOS Approval Bodies**

### **Committee on Evidence Based Quality and Value**

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.

### **Council on Research and Quality**

The Council on Research and Quality promotes ethically and scientifically sound clinical and translational research to sustain patient care in musculoskeletal disorders. The Council also serves as the primary resource for educating its members, the public, and public policy makers regarding evidenced-based medical practice, orthopaedic devices and biologics, regulatory pathways and standards development, patient safety, and other related important research and quality areas. The Council is comprised of the chairs of the committees on Devices, Biologics, and Technology, Patient Safety, Research Development, U.S. and chair and section leaders of the Evidence Based Quality and Value committee. Also, on the Council are the second vice-president, three members at large, and representatives of the Diversity Advisory Board, Women's Health Issues Advisory Board, Board of Specialty Societies (BOS), Board of Councilors (BOC), Communications Cabinet, Orthopaedic Research Society (ORS), Orthopedic Research and Education Foundation (OREF).

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Review of the clinical practice guideline is completed by interested external organizations. The AAOS solicits reviewers for each clinical practice guideline. They consist of experts in the topic area and represent professional societies other than AAOS. Review organizations are nominated by the clinical practice guideline development group at the introductory meeting. Review responses are available on [www.aaos.org/quality](http://www.aaos.org/quality).

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**



OFFICE: 847.698.1200 • FAX: 847.698.0704 • WEB: aahks.org  
9400 W Higgins Road, Suite 230 • Rosemont, IL 60018-4976

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September 27, 2021

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

Dear Ms. Sevarino:

The American Association of Hip and Knee Surgeons (AAHKS) has voted to endorse the AAOS Clinical Practice Guideline for the Management of Osteoarthritis of the Knee (Non-Arthroplasty) 3rd Edition. 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,

Richard Iorio, MD  
President, AAHKS



March 17, 2022

Dear Ms. Sevarino,

The APTA Executive Committee of the Board of Directors has voted to endorse the AAOS Clinical Practice Guideline for the Management of Osteoarthritis of the Knee (Non-Arthroplasty) 3rd Edition and the AAOS Clinical Practice Guideline for the Management of Hip Fractures in Older Adults. 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,

A handwritten signature in black ink that reads "Roger Herr". The signature is written in a cursive style with a long horizontal line extending to the right.

Roger Herr, PT  
President, APTA