

Safety Profile of the Non-steroidal Anti-inflammatory Drug Celecoxib in the Short-term
Management of Acute Non-cancer Pain: A Systematic Review with Meta-analysis of
Randomised Controlled Trials

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Appendix 1. Search strategy

Embase Classic+Embase (Coverage 1947 – present)	
1 celecoxib/ 2 celecoxib.xw. 3 (celecoxib or celebrex or celebra or onsenal or coxibs).ti,ab,kw. 4 4-5-4-methylphenyl-3-trifluoromethyl-1H-pyrazol-1-yl benzenesulfonamide.ti,ab,kw. 5 (SC 58635 or SC58635).ti,ab,kw. 6 1 or 2 or 3 or 4 or 5 7 exp pain/ 8 endometriosis/ 9 bursitis/ 10 tendinitis/ 11 muscle strain/ 12 sprain/ or ankle sprain/ 13 (pain* or allodynia or arthralgia or cystalgia or dysmenorrhea or menstrual cramp* or dysuria or hyperalgesia or hypoalgesia or mastalgia or mittelschmerz or myalgia or neuralgia or odyndophagia or vulvodynia or ache*1 or headache* or toothache* or sprain* or strain* or flare up* or tend#nititis or burstitis or migraine* or endometriosis or fibromyalgia).ti,ab,kw. 14 7 or 8 or 9 or 10 or 11 or 12 or 13 15 Randomized controlled trial/ 16 Controlled clinical study/ 17 random\$.ti,ab. 2196399 18 randomization/ 19 intermethod comparison/ 20 placebo.ti,ab. 21 (compare or compared or comparison).ti. 22 ((evaluated or evaluate or evaluating or assessed or assess) and (compare or compared or comparing or comparison)).ab. 23 (open adj label).ti,ab. 24 ((double or single or doubly or singly) adj (blind or blinded or blindly)).ti,ab. 25 double blind procedure/	26 parallel group\$.ti,ab. 27 (crossover or cross over).ti,ab. 28 ((assign\$ or match or matched or allocation) adj5 (alternate or group\$1 or intervention\$1 or patient\$1 or subject\$1 or participant\$1)).ti,ab. 29 (assigned or allocated).ti,ab. 30 (controlled adj7 (study or design or trial)).ti,ab. 31 (volunteer or volunteers).ti,ab. 32 human experiment/ 33 trial.ti. 34 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 35 (random\$ adj sampl\$ adj7 (cross section\$ or questionnaire\$1 or survey\$ or database\$1)).ti,ab. not (comparative study/ or controlled study/ or randomi?ed controlled.ti,ab. or randomly assigned.ti,ab.) 36 Cross-sectional study/ not (randomized controlled trial/ or controlled clinical study/ or controlled study/ or randomi?ed controlled.ti,ab. or control group\$1.ti,ab.) 37 (((case adj control\$) and random\$) not randomi?ed controlled).ti,ab. 38 (Systematic review not (trial or study)).ti. 39 (nonrandom\$ not random\$).ti,ab. 40 "Random field\$".ti,ab. 3139 41 (random cluster adj3 sampl\$).ti,ab. 42 (review.ab. and review.pt.) not trial.ti. 43 "we searched".ab. and (review.ti. or review.pt.) 44 "update review".ab. 45 (databases adj4 searched).ab. 46 (rat or rats or mouse or mice or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).ti. and animal experiment/ 47 Animal experiment/ not (human experiment/ or human/) 48 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 4775520 49 34 not 48 50 6 and 14 and 49
Ovid MEDLINE(R) ALL (Coverage: 1946 – present)	
1 Celecoxib/ 2 (celecoxib or celebrex or celebra or onsenal or coxibs).ti,ab,kw. 3 4-5-4-methylphenyl-3-trifluoromethyl-1H-pyrazol-1-yl benzenesulfonamide.ti,ab,kw. 4 (SC 58635 or SC58635).ti,ab,kw. 5 1 or 2 or 3 or 4 6 exp Pain/ 7 Hyperalgesia/ 8 Dysuria/ 9 Tension-Type Headache/ or Migraine Disorders/ 10 Vulvodynia/ 11 Endometriosis/ 12 Bursitis/ 13 Tendinopathy/ or Tendon Injuries/ 14 "Sprains and Strains"/	15 Fibromyalgia/ 16 (pain* or allodynia or arthralgia or cystalgia or dysmenorrhea or menstrual cramp* or dysuria or hyperalgesia or hypoalgesia or mastalgia or mittelschmerz or myalgia or neuralgia or odyndophagia or vulvodynia or ache*1 or headache* or toothache* or sprain* or strain* or flare up* or tend#nititis or burstitis or migraine* or endometriosis or fibromyalgia).ti,ab,kw. 17 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 18 randomized controlled trial.pt. 19 controlled clinical trial.pt. 20 randomized.ab. 21 placebo.ab. 22 drug therapy.fs. 23 randomly.ab. 24 trial.ab. 25 18 or 19 or 20 or 21 or 22 or 23 or 24 26 exp animals/ not humans.sh. 27 25 not 26 28 5 and 17 and 27
Cochrane Central Register of Controlled Trials (Coverage 1991-present)	

Records in this database are sourced from Medline, Embase, and other published and unpublished sources, including CINAHL, ClinicalTrials.gov and the WHO's International Clinical Trials Registry Platform	
1 Celecoxib/ 2 (celecoxib or celebrex or celebra or onsenal or coxibs).ti,ab,kw. 3 4-5-4-methylphenyl-3-trifluoromethyl-1H-pyrazol-1-yl benzenesulfonamide.ti,ab,kw. 4 (SC 58635 or SC58635).ti,ab,kw. 5 1 or 2 or 3 or 4 6 exp Pain/ 7 Hyperalgesia/ 8 Dysuria/ 9 Tension-Type Headache/ or Migraine Disorders/ 10 Vulvodynia/ 11 Endometriosis/ 12 Bursitis/ 13 Tendinopathy/ or Tendon Injuries/ 14 "Sprains and Strains"/	15 Fibromyalgia/ 16 (pain* or allodynia or arthralgia or cystalgia or dysmenorrhea or menstrual cramp* or dysuria or hyperalgesia or hypoalgesia or mastalgia or mittelschmerz or myalgia or neuralgia or odynophagia or vulvodynia or ache*1 or headache* or toothache* or sprain* or strain* or flare up* or tend#nitis or buritis or migraine* or endometriosis or fibromyalgia).ti,ab,kw. 17 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 18 randomized controlled trial.pt. 19 controlled clinical trial.pt. 20 randomized.ab. 21 placebo.ab. 22 drug therapy.fs. 23 randomly.ab. 24 trial.ab. 25 18 or 19 or 20 or 21 or 22 or 23 or 24 26 exp animals/ not humans.sh. 27 25 not 26 28 5 and 17 and 27

Web of Science Core Collections (Coverage 1956-present)
(TS= (celecoxib OR celebrex OR celebra OR onsenal OR coxibs OR "4-5-4-methylphenyl-3-trifluoromethyl-1H-pyrazol-1-yl]benzenesulfonamide" OR "SC 58635" OR SC58635))AND (TS= (pain* OR allodynia OR arthralgia OR cystalgia OR dysmenorrhea OR "menstrual cramp*" OR dysuria OR hyperalgesia OR hypoalgesia OR mastalgia OR mittelschmerz OR myalgia OR neuralgia OR odynophagia OR vulvodynia OR ache OR aches OR headache* OR toothache* OR sprain* OR strain* OR "flare up*" OR "flare-up*" OR tend?nitis OR buritis OR migraine* OR endometriosis OR fibromyalgia)) AND (TS=((rct OR trial* or random* OR placebo* OR "clinical trial*" OR crossover* OR "cross-over*" OR "cross over*" OR "systematic review*" OR "control group*") OR ((singl* OR doubl* OR trebl* OR tripl*) Near/1 (blind* OR mask*))))

Scopus (Coverage 1996-present)
(TITLE-ABS-KEY ((celecoxib OR celebrex OR celebra OR onsenal OR coxibs OR "4-5-4-methylphenyl-3-trifluoromethyl-1H-pyrazol-1-yl]benzenesulfonamide" OR "SC 58635" OR sc58635))) AND (TITLE-ABS-KEY ((pain* OR allodynia OR arthralgia OR cystalgia OR dysmenorrhea OR "menstrual cramp*" OR dysuria OR hyperalgesia OR hypoalgesia OR mastalgia OR mittelschmerz OR myalgia OR neuralgia OR odynophagia OR vulvodynia OR ache OR aches OR headache* OR toothache* OR sprain* OR strain* OR "flare up*" OR "flare-up*" OR tend?nitis OR buritis OR migraine* OR endometriosis OR fibromyalgia))) AND (TITLE-ABS-KEY ((rct OR trial* OR random* OR placebo* OR "clinical trial*" OR crossover* OR "cross-over*" OR "cross over*" OR "systematic review*" OR "control group*") OR ((singl* OR doubl* OR trebl* OR tripl*) W/1 (blind* OR mask*))))

Clinicaltrials.gov (grey literature)
Condition: pain Intervention: celecoxib Filters: Interventional studies, Studies with results. 42 results.

Appendix 2. List of excluded studies

[illegible]

Celecoxib for Reducing Morphine Requirement After Thyroid Surgery: a Randomized Controlled Trial	Not available	2007	Not available	Not availabl e	Not availabl e	Not availa ble	Not available	Not available in full-text
Arthroplasty Inflammation Prophylaxis With Celecoxib	Not available	2007	Not available	Not availabl e	Not availabl e	Not availa ble	Not available	Not available in full-text
Ensayo en fase 3, aleatorizado, doble ciego, multicéntrico, controlado con producto activo para evaluar la eficacia y seguridad de celecoxib ;e indometacina en el tratamiento de la artritis gotosa aguda moderada o intensa; a phase 3, randomized, double-blind, multi-center, active-controlled trial to evaluate the efficacy and safety of celecoxib and indomethacin in the treatment of moderate to severe acute gouty arthritis - np	Not available	2008	Not available	Not availabl e	Not availabl e	Not availa ble	Not available	Not available in full-text
Lidocaine Patch Versus Celecoxib in Pain From Osteoarthritis of the Knee	Not available	2009	Not available	Not availabl e	Not availabl e	Not availa ble	Not available	Not available in full-text
Study To Evaluate Efficacy And Safety Of An Additional Dose Of Celecoxib (YM177) In Patients With Post-Tooth Extraction Pain	Not available	2010	Not available	Not availabl e	Not availabl e	Not availa ble	Not available	Wrong publication type (e.g. conference paper)
A Study to Verify the Efficacy of YM177 (Celecoxib) in Postoperative Pain Patients	Not available	2010	Not available	Not availabl e	Not availabl e	Not availa ble	Not available	Not available in full-text

A Selective COX-2 Inhibitor Provides Pain Control But Hinders Healing Following Arthroscopic Rotator Cuff Repair	Not available	2016	Not available	Not available	Not available	Not available	Not available	Not available in full-text
Comparisons of Parenteral and Enteral COX-2 inhibitors for Post-operative pain of TKA, a prospective non-inferiority randomized double-blinded controlled trial	Not available	2017	Not available	Not available	Not available	Not available	Not available	Not available in full-text
Co-crystal E-58425 vs Tramadol and Celecoxib for Moderate to Severe Acute Pain After Bunionectomy. Phase III Clinical Trial	Not available	2017	Not available	Not available	Not available	Not available	Not available	Wrong publication type (e.g. conference paper)
Randomized, double-blind study evaluating the effect of a single dose of CR4056 in postoperative dental pain compared with placebo or another active treatment	Not available	2018	Not available	Not available	Not available	Not available	Not available	Not available in full-text
Can DFN-15 Terminate Migraine With Allodynia?	Not available	2018	Not available	Not available	Not available	Not available	Not available	Wrong publication type (e.g. conference paper)
Prosperity of celecoxib for pain relief after elective cesarean section delivery, a double-blind randomized controlled trial	Not available	2018	Not available	Not available	Not available	Not available	Not available	Unclear person-level outcomes; YT (2025-06-27 02:14:21)(Select) : PCA+celecoxib, PCA+control

A Multimodal Analgesia Protocol Adapted for Ambulatory Surgery	Not available	2019	Not available	Not available	Not available	Not available	Not available	Wrong study design
The comparison of preemptive oral celecoxib and acetaminophen on postoperative pain scores and NSAID consumption after third molar surgery: a randomized controlled trial	Not available	2019	Not available	Not available	Not available	Not available	Not available	Not available in full-text
Efficacy of multimodal analgesia before and after impacted mandibular third molar surgery	Not available	2020	Not available	Not available	Not available	Not available	Not available	Not available in full-text
In the preemptive analgesia mode: a randomized controlled study of pregabalin combined with celecoxib in total knee arthroplasty	Not available	2021	Not available	Not available	Not available	Not available	Not available	Not available in full-text
Peri-Articular-Multimodal Drug and Oral Celecoxib in Management of Postoperative Pain of Total Knee Arthroplasty	Not available	2022	Not available	Not available	Not available	Not available	Not available	Wrong study design
Pain Treatment With Combinations of NSAIDs	Not available	2023	Not available	Not available	Not available	Not available	Not available	Wrong publication type (e.g. conference paper)
Effect of celecoxib add-on treatment on symptoms and serum IL-6 concentrations in patients with major depressive disorder: Randomized double-blind placebo-controlled study	Abbasi, S. H.; Hosseini, F.; Modabbernia, A.; Ashrafi, M.; Akhondzadeh, S.	2012	Journal of Affective Disorders	141	2-Mar	308-314	10.1016/j.jad.2012.03.033	Wrong timeframe

Comparison of pre-emptive effect of meloxicam and celecoxib on post-operative analgesia: a double-blind, randomized clinical trial	Aghadavoudi, O.; Saryazdi, H. H.; Shafa, A.; Ramezani, A.	2015	Middle East journal of anaesthesiology	Vol.23	3	289-294p	Not available	Unclear person-level outcomes
A comparative analgesic efficacy and tolerability of celecoxib and tramadol after mandibular third molar extraction: a double blind randomized controlled trial	Akinbade, A.; Ndukwe, K.; Owotade, F.	2015	International Journal of Oral and Maxillofacial Surgery	44	Not available	e22-e23	https://doi.org/10.1016/j.ijom.2015.08.430	Wrong publication type (e.g. conference paper)
Comparative analgesic effects of ibuprofen, celecoxib and tramadol after third molar surgery: a randomized double blind controlled trial	Akinbade, A. O.; Ndukwe, K. C.; Owotade, F. J.	2018	Journal of contemporary dental practice	Vol.19	11	1334-1340p	Not available	Wrong dose
Comparative analgesic efficacy and tolerability of celecoxib and tramadol on postoperative pain after mandibular third molar extraction: a double blind randomized controlled trial	Akinbade, A. O.; Ndukwe, K. C.; Owotade, F. J.	2019	Nigerian journal of clinical practice	Vol.22	6	796-800p	https://doi.org/10.4103/njcp.njcp54418	Wrong dose
A Short Course of Celecoxib Prevents Heterotopic Ossification Following Cementless Total Hip Arthroplasty	Al Badi, H.; Tanzer, M.; Nooh, A.; Hall, B.; Hart, A.	2023	Life-Basel	13	4	10	10.3390/life13040944	Wrong study design
The effect of quercetin on pro-inflammatory cytokines and clinical picture of patients with knee osteoarthritis: A double blind comparative study with celecoxib	Al-Rekabi, M. D.; Hussein, F. H.; Al-Jaf, A. N.; Hussein, Y. A.	2019	International Journal of Pharmaceutical Research	11	4	1157-1164	Not available	Did not report AE

Preemptive analgesic effect of low doses of celecoxib is superior to low doses of traditional nonsteroidal anti-inflammatory drugs	Al-Sukhun, J.; Al-Sukhun, S.; Penttil,; auml, H.; Ashammakhi, N.; Al-Sukhun, R.	2012	Journal of Craniofacial Surgery	Vol.23	2	526-529p	https://doi.org/10.1097/SCS.0b013e31824cd4fb	Wrong timeframe
The cyclooxygenase-2 inhibitor celecoxib and alveolar osteitis	Al-Sukhun, J.; Penttila, H.	2011	Journal of the Irish Dental Association	57(1)	Not available	50-53	Not available	Wrong publication type (e.g. conference paper)
Comparison of preoperative dose of pregabalin with celecoxib for attenuation of postoperative pain after open cholecystectomy	Ali, A.; Babar, K. M.	2012	Anaesthesia Pain & Intensive Care	16	2	137-141	Not available	Unclear person-level outcomes; CMC(2025-08-22 16:47:51)(outcomes): PONV next 12 hours;
Indomethacin submicron particle capsules provide effective pain relief in patients with acute pain: a phase 3 study	Altman, R.; Daniels, S.; Young, C. L.	2013	Physician and Sportsmedicine	Vol.41	4	7-15p	https://doi.org/10.3810/psm.2013.11.2031	Wrong dose
Lower-dose SoluMatrix indomethacin: Combined safety data from two phase 3 studies in patients with acute pain following elective surgery	Altman, R.; Gibofsky, A.; Parenti, D.; Young, C.	2014	Annals of the Rheumatic Diseases. Conference: Annual European Congress of Rheumatology	73	SUPPL. 2	Not available	https://dx.doi.org/10.1136/annrheumdis-2014-eular.5355	Wrong publication type (e.g. conference paper)

			y of the European League Against Rheumatism, EULAR					
Acute pain relief by a proprietary, nano-formulated lower-dose oral indomethacin	Altman, R. D.; Daniels, S.; Manvelian, G.	2011	Arthritis and Rheumatism. Conference: Annual Scientific Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals	63	10 SUPPL . 1	Not available	Not available	Wrong publication type (e.g. conference paper)
Celecoxib-induced bullous fixed drug eruption: An unusual presentation	Ammar, H.; Ben Fredj, N.; Ben Fadhel, N.; Chadli, Z.; Ben Romdhane, H.; Boughattas, N. A.; Chaabane, A.; Aouam, K.	2019	British Journal of Clinical Pharmacology	85	11	2638-2639	https://doi.org/10.1111/bcp.14072	Wrong study design
COX-2 inhibitors and Celebrex: safe or suspect?	Anonymous,	1999	Health News	5	7	4	Not available	Wrong publication type

								(e.g. conference paper)
Arthritis relief greater with rofecoxib than with paracetamol or celecoxib	Anonymous,	2002	Pharmaceutical Journal	268(7180)	Not available	7	Not available	Wrong publication type (e.g. conference paper)
Massive trial of celebrex seeks to settle safety concerns	Anonymous,	2005	Science	310(5756)	Not available	1890-1891	https://dx.doi.org/10.1126/science.310.5756.1890a	Wrong publication type (e.g. conference paper)
Celecoxib: new indication. Ankylosing spondylitis: no pain justifies the use of a cox-2 inhibitor. Patients still exposed to unjustified risks	Anonymous,	2008	Prescrire International	17	95	106	Not available	Wrong publication type (e.g. conference paper)
A randomized, double-blind, positive-controlled, 3-way cross-over human experimental pain study of a TRPV1 antagonist (V116517) in healthy volunteers and comparison with preclinical profile	Arendt-Nielsen, L.; Harris, S.; Whiteside, G. T.; Hummel, M.; Knappenberger, T.; O'Keefe, S.; Kapil, R.; Kyle, D.	2016	Pain	Vol.157	9	2057-2067p	https://doi.org/10.1097/j.pain.0000000000000610	Wrong timeframe
Assessing Pre-Emptive Analgesic Strategies in Total Knee Arthroplasty: a Comparative Study of Etoricoxib, Pregabalin, and Celecoxib	Bajjuri, A.; Dussa, T.; Prasanth, S. P.; Venugopal, S. M.; Prakash,	2024	International Journal of Pharmacy Research and Technology	Vol.14	2	97-103p	https://doi.org/10.31838/ijprt/14.02.13	Not available in full-text

	K. B.; Yoganand, A.							
Celecoxib is efficacious and well tolerated in treating signs and symptoms of ankylosing spondylitis	Barkhuizen, A.; Steinfeld, S.; Robbins, J.; West, C.; Coombs, J.; Zwillich, S.	2006	Journal of Rheumatology	33	9	1805-12	Not available	Wrong publication type (e.g. conference paper)
Celecoxib versus ibuprofen in controlling postoperative symptomatology of third molar extraction: a randomized double-blind clinical trial	Barreiro, B.; Campos, M.; Andriola, F.; Berthold, R.; Heitz, C.; Cherubini, K.	2019	International Journal of Oral and Maxillofacial Surgery	48(Supplement 1)	Not available	60-61	https://dx.doi.org/10.1016/j.ijom.2019.03.185	Wrong publication type (e.g. conference paper)
Comparative Effect of Celecoxib, Diclofenac, and Ibuprofen in Controlling Postoperative Pain, Edema, and Trismus After Third Molar Extraction: A Double-Blinded Randomized Controlled Trial	Bassyoni, L.	2024	Cureus	16	2	e53687	https://dx.doi.org/10.7759/cureus.53687	Did not report AE
Pain management in osteoarthritis: a focus on onset of efficacy--a comparison of rofecoxib, celecoxib, acetaminophen, and nabumetone across four clinical trials	Battisti, W. P.; Katz, N. P.; Weaver, A. L.; Matsumoto, A. K.; Kivitz, A. J.; Polis, A. B.; Geba, G. P.	2004	The journal of pain	Vol.5	9	511-520p	https://doi.org/10.1016/j.jpain.2004.09.004	Did not report AE

Clinical Efficacy of Celecoxib Compared to Acetaminophen in Chronic Nonspecific Low Back Pain: Results of a Randomized Controlled Trial	Bedaiwi, M. K.; Sari, I.; Wallis, D.; O'Shea, F. D.; Salonen, D.; Haroon, N.; Omar, A.; Inman, R. D.	2016	Arthritis Care and Research	68(6)	Not available	845-852	https://doi.org/10.1002/acr.22753	Did not report AE
Clinical relevance of C-reactive protein in ankylosing spondylitis and evaluation of the NSAIDs/coxibs' treatment effect on C-reactive protein	Benhamou, M.; Gossec, L.; Dougados, M.	2010	Rheumatology (Oxford, England)	Vol.49	3	536-541p	https://doi.org/10.1093/rheumatology/kep393	Wrong outcomes;
A multi-center, randomized, placebo-controlled, double-blind, crossover study evaluating DFN-15, a liquid celecoxib formulation, for the acute treatment of migraine with or without aura in adults	Bennett, A.; Munjal, S.	2019	Neurology. Conference: 71st Annual Meeting of the American Academy of Neurology, AAN	92	15 Supplement 1	Not available	Not available	Wrong publication type (e.g. conference paper)
Treatment of osteoarthritis with celecoxib, a cyclooxygenase-2 inhibitor: A randomized controlled trial	Bensen, W. G.; Fiechtner, J. J.; McMillen, J. I.; Zhao, W. W.; Yu, S. S.; Woods, E. M.; Hubbard, R. C.; Isakson, P. C.; Verburg, K. M.; Steven Geis, G.	1999	Mayo Clinic Proceedings	74(11)	Not available	1095-1105	https://doi.org/10.4065/74.11.1095	Wrong timeframe

Comparing etoricoxib and celecoxib for preemptive analgesia for acute postoperative pain in patients undergoing arthroscopic anterior cruciate ligament reconstruction: a randomized controlled trial	Boonriong, T.; Tangtrakulwanich, B.; Glabglay, P.; Nimmaanrat, S.	2010	BMC Musculoskeletal Disorders	11	Not available	246	https://dx.doi.org/10.1186/1471-2474-11-246	Unclear person-level outcomes;
Celecoxib and rofecoxib: A distinction with a difference?	Bradley, J. D.	2001	Journal of Clinical Rheumatology	7	3 SUPPL.	137-138	10.1097/00124743-200106000-00001	Wrong study design
A 6-months, randomised, placebo-controlled evaluation of efficacy and tolerability of a low-dose 7-day buprenorphine transdermal patch in osteoarthritis patients naïve to potent opioids	Breivik, H.; Ljosaa, T. M.; Stengaard-Pedersen, K.; Persson, J.; Aro, H.; Villumsen, J.; Tvinnemose, D.	2010	Scandinavian Journal of Pain	Vol.1	3	122-141p	https://doi.org/10.1016/j.sjpain.2010.05.035	Wrong intervention
Efficacy and safety of celecoxib in the treatment of acute pain due to ankle sprain in a Latin American and Middle Eastern population	Cardenas-Estrada, E.; Oliveira, L. G.; Abad, H. L.; Elayan, F.; Khalifa, N.; El-Usseini, T.	2009	Journal of International Medical Research	Vol.37	6	1937-1951p	https://doi.org/10.1177/147323000903700632	Unclear person-level outcomes; YT (2025-09-03 18:25:51)(results data): The AE for headache and other things are missing?;

Celecoxib-tramadol co-crystal: A Randomized 4-Way Crossover Comparative Bioavailability Study	Cebrecos, J.; Carlson, J. D.; Encina, G.; Lahjou, M.; Sans, A.; Sust, M.; Vagu√©, A.; Morte, A.; Gasc√≥n, N.; Plata-Salam√°n, C.	2021	Clinical Therapeutics	43	6	1051-1065	10.1016/j.clinthera.2021.04.002	Wrong intervention
Efficacy of celecoxib for acute pain management following total hip arthroplasty in elderly patients: a prospective, randomized, placebo-control trial	Chen, J.; Zhu, W.; Zhang, Z.; Zhu, L.; Zhang, W.; Du, Y.	2015	Experimental and Therapeutic Medicine	Vol.10	2	737-742p	https://doi.org/10.3892/etm.2015.2512	Wrong dose
Celecoxib premedication in post-operative analgesia for laparoscopic cholecystectomy	Cheng, P. G. B.; Lim, M. J.; Onsiong, M. K.; Chiu, K. Y. W.; Chan, M. K.; Li, K. W. M.; Tang, C. N.	2004	Acute Pain	6	1	23-28	10.1016/j.acpain.2004.01.003	Wrong intervention; YT (2025-06-03 15:05:48)(Select) : Wrong intervention + did not report specific details on AE.;
Celecoxib in the treatment of primary dysmenorrhea: results from two randomized, double-blind, active- and placebo-controlled, crossover studies	Daniels, S.; Robbins, J.; West, C. R.; Nemeth, M. A.	2009	Clinical Therapeutics	Vol.31	6	1192-1208p	https://doi.org/10.1016/j.clinthera.2009.06.003	Wrong intervention

Lower-dose diclofenac capsules using SoluMatrix fine particle technology provide effective pain relief in a phase 3 study of patients with acute pain following bunionectomy	Daniels, S.; Solorio, D.; Young, C.	2014	Journal of Pain	Vol.15	4	S77p	https://doi.org/10.1016/j.jpain.2014.01.316	Wrong publication type (e.g. conference paper)
Comparing the efficacy of celecoxib, ibuprofen and acetaminophen codeine in pain relief after impacted lower third molar surgery	Dashlibrun, Y. N.; Ramezani, M.; Saravi, M. E.; Arabi, M.	2015	Journal of Mazandaran University of Medical Sciences	25	121	94-102	Not available	Did not report AE
Celecoxib improves the efficiency of the locomotor mechanism in patients with knee osteoarthritis. A randomised, placebo, double-blind and cross-over trial	Detrembleur, C.; De Nayer, J.; van den Hecke, A.	2005	Osteoarthritis and Cartilage	Vol.13	3	206-210p	https://doi.org/10.1016/j.joca.2004.11.002	Wrong timeframe
Erectile dysfunction induced probably by celecoxib	Dhikav, V.; Gupta, S.; Anand, K. S.	2008	Pharmacoeconomics & Drug Safety	17	2	211-2	https://doi.org/10.1002/pds.1539	Wrong publication type (e.g. conference paper)
The effect of celecoxib on early postoperative cognitive dysfunction in elderly patients of fracture neck of femur: a prospective randomised double-blind study	Dixit, P.; Singh, V.; Verma, S.; Singh, G. P.; Singh, M. K.; Kumar, S.	2021	Anaesthesia, Pain and Intensive Care	25(3)	Not available	287-294	https://doi.org/10.35975/apic.v25i3.1519	Did not report AE
Adverse cardiovascular effects of the coxibs	Dognon, J. M.; Supuran, C. T.; Pratico, D.	2005	Journal of Medicinal Chemistry	48	7	2251-2257	10.1021/jm0402059	Wrong study design

Efficacy and tolerability of nonprescription ibuprofen versus celecoxib for dental pain	Doyle, G.; Jayawardena, S.; Ashraf, E.; Cooper, S. A.	2002	Journal of Clinical Pharmacology	42	8	912-9	https://doi.org/10.1177/009127002401102830	Unclear person-level outcomes
Efficacy of celecoxib versus ibuprofen in the treatment of acute pain: a multicenter, double-blind, randomized controlled trial in acute ankle sprain	Ekman, E. F.; Fiechtner, J. J.; Levy, S.; Fort, J. G.	2002	American Journal of Orthopedics (Chatham, Nj)	31	8	445-51	Not available	Wrong publication type (e.g. conference paper)
Analgesic efficacy of perioperative celecoxib in ambulatory arthroscopic knee surgery: a double-blind, placebo-controlled study	Ekman, E. F.; Wahba, M.; Ancona, F.	2006	Arthroscopy	Vol.22	6	635-642p	https://doi.org/10.1016/j.arthro.2006.03.012	Wrong dose; CMC(2025-09-15 16:26:37)(Included): Potential exclusion because might include doses of more than 400mg in 24h ; YT (2025-07-30 17:53:13)(results data): Need to discuss if we want all-cause AE, or treatment-related AE.;

Celecoxib versus diclofenac in long-term management of rheumatoid arthritis: Randomised double-blind comparison	Emery, P.; Zeidler, Z.; Kvien, T. K.; Guslandi, M.; Naudin, R.; Stead, H.; Verburg, K. M.; Isakson, P. C.; Hubbard, R. C.; Geis, G. S.	1999	Lancet	354(9196)	Not available	2106-2111	https://doi.org/10.1016/S0140-6736(99)29023-6	Wrong timeframe
Efficacy and safety of tramadol/acetaminophen tablets (Ultracet) as add-on therapy for osteoarthritis pain in subjects receiving a COX-2 nonsteroidal antiinflammatory drug: a multicenter, randomized, double-blind, placebo-controlled trial	Emkey, R.; Rosenthal, N.; Wu, S. C.; Jordan, D.; Kamin, M.; Capss- Study Group	2004	Journal of Rheumatology	Vol.31	1	150-156p	Not available	Wrong timeframe
Comparison of Effects of Two Drugs (Pregabalin & Celecoxib) on 24 hours PostOperative Pain Intensity in Patients Undergoing Tibia Fracture Surgery	Eraghi, A. S.; Azizpour, I.; Hajializade, M.	2021	Open Pain Journal	14	1	14-21	10.2174/1876386302114010014	Did not report AE
Comparative Efficacy of Analgesics for Pain Relief in Patients with Symptomatic Irreversible Pulpitis Prior to Emergency Endodontic Treatment: a Randomized Controlled Trial	Eslambol Nassaj, A.; Nekouei, A. H.; Fereidooni, R.; Kamyabi, H.; Pardakhty, A.; Shahravan, A.	2023	Iranian Endodontic Journal	Vol.18	4	194-201p	https://doi.org/10.22037/iej.v18i4.35469	Did not report AE

The efficacy of continuous versus intermittent celecoxib treatment in osteoarthritis patients aged <60 and ≥60 years	Essex, M. N.; Brown, P. B.; Sands, G. H.	2014	International Journal of Clinical Rheumatology	Vol.9	1	13-20p	https://doi.org/10.2217/ijr.13.71	Wrong timeframe
Gastrointestinal tolerability of NSAIDs in elderly arthritis patients	Essex, M. N.; Mallen, S. R.; Zhang, R. Y.	2010	Pharmacotherapy	30(10)	Not available	392e	Not available	Not available in full-text
Analgesic efficacy of oxycodone-acetaminophen tablets after total knee arthroplasty	Fang, Z.; Li, F.; Xiong, W.; Li, G. H.; Xiao, J.	2010	Chinese Journal of New Drugs	19	4	301-303+307	Not available	Not available in full-text
Comparison of celecoxib and acetaminophen for pain relief in pediatric day case tonsillectomy: A randomized double-blind study	Faramarzi, M.; Roosta, S.; Eghbal, M. H.; Nouri Rahmatabadi, B.; Faramarzi, A.; Mohammadi-Samani, S.; Shishegar, M.; Sahmeddini, M. A.	2021	Laryngoscope Investigative Otolaryngology	6(6)	Not available	1307-1315	https://dx.doi.org/10.1002/lto.2685	Wrong dose
Multi-mode analgesia of celecoxib after Hip and knee replacement	Feng, X.; Yang, Y. Z.; Hao, J.	2015	Chinese Journal of Tissue Engineering Research	19	44	7065-7070	10.3969/j.issn.2095-4344.2015.44.003	Not available in full-text
Celecoxib and ibuprofen accelerate return to normal function compared to placebo in	Fiechtner, J. J.; Ekman, E. F.; Fort, J. G.;	2001	Arthritis and Rheumatism	44	9	S354-S354	Not available	Not available in full-text

patients with acute ankle sprains treated with standard supportive care	Levy, S.; Orevillo, C.							
[Pain treatment with traditional NSAR and coxibs: an interdisciplinary assessment]	Fischbach, W.; Baerwald, C.; Darius, H.; Gross, M.; Nickenig, G.; Nuslein, H.; Stichtenoth, D. O.	2013	Deutsche Medizinische Wochenschrift	138	3	91-6	https://doi.org/10.1055/s-0032-1327397	Wrong study design
Selective cyclooxygenase-2 inhibition reduces endothelial dysfunction and improves inflammatory status in patients with intermittent claudication. [Spanish]	Florez, A.; De Haro, J.; Martinez, E.; Varela, C.; Bleda, S.; Acin, F.	2009	Revista Espanola de Cardiologia	62(8)	Not available	851-857	https://doi.org/10.1016/S0300-8932(2009)29720-6	Did not report AE
Does celecoxib have pre-emptive analgesic effect after Caesarean section surgery?	Fong, W. P.; Yang, L. C.; Wu, J. I.; Chen, H. S.; Tan, P. H.	2008	British Journal of Anaesthesia	100	6	861-2	https://doi.org/10.1093/bja/aen113	Wrong publication type (e.g. conference paper)
A prospective randomized double-blind trial of celecoxib versus acetaminophen in haemophilic arthropathy	Fouzia, N. A.; Abraham, A.; Srivastava, A.	2018	Haemophilia	24	22	2018-05	https://doi.org/10.1111/hae.13478	Wrong publication type (e.g. conference paper)
Celecoxib, safe in NSAID intolerance	Garcia-Rodriguez, R. M.; Hinojosa, M.; Camacho-Garrido, E.;	2002	Allergy	57	11	1085-6	https://doi.org/10.1034/j.1398-9995.200	Wrong study design

	Berges Gimeno, P.; Martin Garcia, C.						2.23836_ 7.x	
[Efficiency of different celecoxib regimens in patients with active axial spondyloarthritis: Results of the 4-week pilot open-label comparative single-center study 'AIM']	Gaydukova, I. Z.; Gamayunova, K. A.; Dorogoykina, K. D.; Rebrov, A. P.	2017	Terapevtiches kii arkhiv	89	6	78-83	https://dx.doi.org/10.17116/terarkh201789678-83	Other language
Efficacy of rofecoxib, celecoxib, and acetaminophen in osteoarthritis of the knee: a randomized trial	Geba, G. P.; Weaver, A. L.; Polis, A. B.; Dixon, M. E.; Schnitzer, T. J.; Vioxx,; Acetaminophen,; Celecoxib Trial, Group	2002	Jama	Vol.287	1	64-71p	https://doi.org/10.1001/jama.287.1.64	Wrong timeframe
Opioid-sparing Effects of SoluMatrix Indomethacin in a Phase 3 Study in Patients With Acute Postoperative Pain	Gharibo, C. G.; Argoff, C.; Markenson, J. A.; Webster, L. R.; Nezzar, J.; Solorio, D.; Lauterio, M.; Young, C.	2018	Clinical Journal of Pain	Vol.34	2	138-144p	https://doi.org/10.1097/AJP.0000000000000525	Wrong dose
Comparison of Celecoxib and Gabapentin in Preventing Post-Cesarean Section Pain: A	Gholami, H.; Rashtchi, V.; Arianpour, F.	2024	Biomedical Research and Therapy	11	1	6156-6163	10.15419/bmrat.v11i1.860	Wrong intervention

Randomized Controlled Clinical Trial								
Acute pain relief by a proprietary, nanoformulated lower dose oral diclofenac	Gibofsky, A.; Daniels, S.; Manvelian, G.	2012	Pain Medicine (United States)	13(2)	Not available	327-328	https://dx.doi.org/10.1111/j.1526-4637.2012.1331.x	Not available in full-text
Lower-dose diclofenac submicron particle capsules provide early and sustained acute patient pain relief in a phase 3 study	Gibofsky, A.; Silberstein, S.; Argoff, C.; Daniels, S.; Jensen, S.; Young, C. L.	2013	Postgraduate Medicine	Vol.125	5	130-138p	https://doi.org/10.3810/pgm.2013.09.2693	Wrong dose
High-Dose Celecoxib for Pain After Pediatric Tonsillectomy: a Randomized Controlled Trial	Giordano, T.; Durkin, A.; Simi, A.; Shannon, M.; Dailey, J.; Facey, H.; Ballester, L.; Wetmore, R. F.; Germiller, J. A.	2023	Otolaryngology--head and neck surgery	Vol.168	2	218-226p	https://doi.org/10.1177/01945998221091695	Wrong timeframe
Cyclooxygenase-2 specific inhibitors and upper gastrointestinal tolerability in patients with osteoarthritis receiving concomitant low dose aspirin: pooled analysis of 2 trials	Goldstein, J. L.; Bello, A. E.; Spalding, W.; Suh, S.; Fort, J. G.	2005	Journal of Rheumatology	Vol.32	1	111-117p	Not available	Wrong timeframe

Cardiovascular safety of celecoxib, naproxen, or ibuprofen for arthritis	Grosser, T.	2017	New England Journal of Medicine	376	14	1389	10.1056/NEJMc1702534	Wrong publication type (e.g. conference paper)
149. Opioid sparing anesthesia for lumbar spinal fusion surgery reduces opioid consumption, blood loss and operative time: A propensity matched analysis	Gum, J. L.; Carreon, L. Y.; Sampedro, B. M.; Harpe-Bates, J.; Mkorombindo, T.; Brown, M.; Daniels, C. L.; Glassman, S. D.	2021	Spine Journal	21(9 Supplement)	Not available	S74-S75	https://dx.doi.org/10.1016/j.spinee.2021.05.177	Wrong publication type (e.g. conference paper)
Efficacy of ultrasound-guided femoral nerve block for preoperative analgesia in elderly patients with hip fracture	Guo, C.; Hu, W.; Xu, M.; Zhao, L.; Meng, H.; Li, H.; Shuang, F.	2024	Chinese Journal of Clinical Research	37	8	1202-1205	10.13429/j.cnki.cjcr.2024.08.012	Other language
Imrecoxib versus celecoxib as postoperative analgesia for patients receiving arthroscopic knee surgery: a randomized, controlled, non-inferiority study	Guo, W.; Liu, Y.; Li, J.	2022	Inflammopharmacology	Vol.30	3	875-881p	https://doi.org/10.1007/s10787-022-00938-8	Wrong dose
The effect of pregabalin and celecoxib on the analgesic requirements after laparoscopic cholecystectomy: a randomized controlled trial	Gurunathan, U.; Rapchuk, I. L.; King, G.; Barnett, A. G.; Fraser, J. F.	2016	Journal of Anesthesia	Vol.30	1	64-71p	https://doi.org/10.1007/s00540-015-2078-9	Wrong dose
A Comparative Study of Oral Analgesics for Postoperative Pain After Minor Oral Surgery	Hanzawa, A.; Handa, T.; Kohkita, Y.	2018	Anesthesia progress	Vol.65	1	24-29p	https://doi.org/10.2344/anp	Wrong intervention

	Ichinohe, T.; Fukuda, K. I.						r-65-01-02	
Gastrointestinal tolerability of lumiracoxib in patients with osteoarthritis and rheumatoid arthritis	Hawkey, C. J.; Gitton, X.; Hoexter, G.; Richard, D.; Weinstein, W. M.	2006	Clinical Gastroenterology and Hepatology	4	1	57-66	10.1016/S1542-3565(05)00976-6	Wrong timeframe
Clinical Study on 320 Cases of Senile Osteoarthritis Treated by Traditional Chinese Medicine Orthopedics based on Big Data Analysis	He, Z.; He, K.; Wang, S.	2021	Journal of Physics: Conference Series	1744	Not available	Not available	10.1088/1742-6596/1744/4/042128	Did not report AE
Potential effects of chondroitin sulfate on joint swelling: a GAIT report	Hochberg, M. C.; Clegg, D. O.	2008	Osteoarthritis and Cartilage	16	Not available	S22-S24	10.1016/j.joca.2008.06.024	Wrong study design
Onset and durability of pain relief in knee osteoarthritis: pooled results from two placebo trials of naproxen/esomeprazole combination and celecoxib	Holt, R. J.; Fort, J. G.; Grahm, A. Y.; Kent, J. D.; Bello, A. E.	2015	Physician and Sportsmedicine	Vol.43	3	200-212p	https://doi.org/10.1080/00913847.2015.1074852	Wrong timeframe
Prevention of Severe Acute Pancreatitis With Cyclooxygenase-2 Inhibitors: a Randomized Controlled Clinical Trial	Huang, Z.; Ma, X.; Jia, X.; Wang, R.; Liu, L.; Zhang, M.; Wan, X.; Tang, C.; Huang, L.	2020	American Journal of Gastroenterology	Vol.115	3	473-480p	https://doi.org/10.14309/ajg.0000000000000529	Wrong comparator
Efficacy and safety of celecoxib compared with placebo and etodolac for acute postoperative	Ishiguro, N.; Hanaoka, A.;	2015	Nagoya Journal of	Vol.77	1-Feb	81-93p	Not available	Wrong dose

pain: a multicenter, double-blind, randomized, parallel-group, controlled trial	Okada, T.; Ito, M.		Medical Science					
The efficacy of premedication with celecoxib and acetaminophen in preventing pain after otolaryngologic surgery	Issioui, T.; Klein, K. W.; White, P. F.; Watcha, M. F.; Coloma, M.; Skrivanek, G. D.; Jones, S. B.; Thornton, K. C.; Marple, B. F.	2002	Anesthesia & Analgesia	94	5	1188-93, table of contents	https://doi.org/10.1097/00000539-200205000-00025	Did not report AE
The post-operative analgesic efficacy of celecoxib compared with placebo and parecoxib after total hip or knee arthroplasty	Ittichaikulthol, W.; Prachanpanich, N.; Kositchaiwat, C.; Intapan, T.	2010	Chotmaihet thangphaet [Journal of the Medical Association of Thailand]	Vol.93	8	937-942p	Not available	Unclear person-level outcomes
A comparative study of celecoxib versus diclofenac on blood pressure control and renal function in hypertensive African Americans and Hispanics: a randomized crossover study	Izhar, M.; Folker, A.; Gandhi, A.; Alausa, T.; Alam, A.; Bakris, G. L.	2002	American journal of hypertension	Vol.15	4 Suppl 1	A112p	https://doi.org/10.1016/S0895-7061(02)02579-7	Wrong publication type (e.g. conference paper)
Efficacy of Celecoxib and Diclofenac Sodium in the Management of Postoperative Pain, Swelling and Mouth Opening after Surgical Removal of Impacted Third Molars: A	Jha, G. K.; Kshirsagar, R. A.; Singh, V.; Pawar, S. R.; Kedia, D. M.; Desai, O.; Jain, S.	2023	Journal of Clinical and Diagnostic Research	17	8	ZC21-ZC26	10.7860/jcdr/2023/63808.18307	Unclear person-level outcomes

Split-mouth Randomised Clinical Study								
Analgesic efficacy of imrecoxib for postoperative pain following oral surgery: a prospective randomized, active-controlled, non-inferiority trial	Jiang, Y.; Qi, L.; Liu, J.; Wu, H.; Li, Y.; Zou, L.; Guo, Z.; Wang, J.; Li, H.	2021	Annals of Translational Medicine	Vol.9	6	469p	https://doi.org/10.21037/atm-21-264	Did not report AE
Comparing celecoxib with traditional nonsteroidal anti-inflammatory drugs	Johnson, M.; Seaton, T.	2003	Journal of Family Practice	52	2	96-98	Not available	Wrong publication type (e.g. conference paper)
Effect of celecoxib and dexamethasone on postoperative pain after lumbar disc surgery	Karst, M.; Kegel, T.; Lukas, A.; uuml;demann, W.; Hussein, S.; Piepenbrock, S.	2003	Neurosurgery	Vol.53	2	331-6; discussion 336-7p	https://doi.org/10.1227/01.neu.0000073530.81765.6b	Wrong dose
Preemptive analgesia with celecoxib and acetaminophen codeine	Kashefi, P.; Heidari, M.	2012	Pain Practice	1)	Not available	134	https://dx.doi.org/10.1111/j.1533-2500.2011.00528.x	Wrong publication type (e.g. conference paper)
Analgesic efficacy of lumiracoxib compared with placebo, rofecoxib	Kellstein, D.; Fricke, J.; Ott, D.;	2003	Arthritis and Rheumatism	48	9	S506-S506	Not available	Not available in full-text

and celecoxib in patients with postoperative dental pain	Jayawardene, S.							
A multimodal analgesia of cyclooxygenase-2 for postoperative pain	Khajavikhan, J.; Vasigh, A.; Jaafarpour, M.; Khani, A.	2016	Der Pharmacia Lettre	8	8	113-120	Not available	Wrong dose; CMC(2025-08-15 13:57:40)(Included): use 600mg; CMC(2025-08-15 13:57:40)(Included): use 600mg; YT (2025-07-05 10:59:46)(Select) : celecoxib/placebo + morphine;
Symmetrical drug-related intertriginous and flexural exanthema caused by celecoxib	Kim, B. J.; Kim, H. S.; Lee, J. Y.; Kim, H. O.; Park, Y. M.; La, H. O.	2014	International Journal of Dermatology	53	1	e1-3	https://doi.org/10.1111/j.1365-4632.2011.05243.x	Wrong study design
Effect of preoperative administration of celecoxib on postoperative pain after laparoscopic cholecystectomy	Kim, D. Y.; An, Y. M.; Moon, J. P.; Choi, J. G.	2009	Korean Journal of Anesthesiology	Vol.57	3	327-330p	https://doi.org/10.4097/kjae.2009.57.3.327	Other language
Application of sequential multimodal analgesia before and after impacted mandibular third	Kim, S. H.; Kim, S.; Kim, Y. S.; Song, M. K.; Kang, J. Y.	2023	Contemporary Clinical Trials	32	Not available	101078	https://doi.org/10.1016/j.conctc.2023.101078	Wrong study design

molar extraction: Protocol for a randomized controlled trial			Communications				023.101078	
Sex-specific and Age-specific Analgesia for Early Postoperative Pain Management After Lumbar Decompressive Surgery: a Randomized Clinical Trial	Kim, S. I.; Ha, K. Y.; An, H. S.; Rhyu, K. W.; Lee, H. W.; Oh, I. S.	2019	Clinical Spine Surgery	Vol.32	7	E311-E318p	https://doi.org/10.1097/BS D.0000000000000761	Wrong timeframe
Comparative efficacy and safety of celecoxib and naproxen in the treatment of osteoarthritis of the hip	Kivitz, A. J.; Moskowitz, R. W.; Woods, E.; Hubbard, R. C.; Verburg, K. M.; Lefkowitz, J. B.; Geis, G. S.	2001	Journal of International Medical Research	Vol.29	6	467-479p	https://doi.org/10.1177/147323000102900602	Wrong timeframe
Comparative, single-centre, randomized, placebo-controlled study of efficacy and safety of flupirtine and celecoxib in CPPS/CP IIIB	Kogan, M. I.; Belousov, I. I.	2012	European Urology, Supplements	11(1)	Not available	e45-e45a	Not available	Not available in full-text
A proteomic panel predicts drug response to the combination of glucosamine and chondroitin sulfate	Kraus, V. B.; Martinez, H.; Herrero, M.; Verges, J.	2016	Osteoarthritis and Cartilage	1)	Not available	S89	Not available	Wrong publication type (e.g. conference paper)
Efficacy of preemptive oral doses of acetaminophen and celecoxib for post-operative pain management after open-flap debridement: A randomised controlled study	Kumar, S.; Sanghavi, P. K.; Patel, P. N.; Sonvane, P. H.; Dave, P.	2020	Advances in Human Biology	10	3	188-192	10.4103/aih b_83_20	Wrong comparator

	R.; Gor, V. U.; Mohammed, I.							
Gastrointestinal safety of coxibs and outcomes studies: What's the verdict?	Laine, L.	2002	Journal of Pain and Symptom Management	23	4	S5-S10	Not available	Wrong publication type (e.g. conference paper)
Acute onset of auditory hallucinations after initiation of celecoxib therapy	Lantz, M. S.; Giambanco, V.	2000	American Journal of Psychiatry	157	6	1022-3	https://dx.doi.org/10.1176/appi.ajp.157.6.1022-a	Wrong study design
Traditional Chinese herbal compound as complementary treatment for nonspecific low back pain: a randomized controlled trial	Lao, Y.; Fu, J.; Chen, Y.; Xu, B.; Zhang, S.; Sheng, H.; Liu, Y.; Du, Y.	2024	Medicine	Vol.103	45	e4039 2p	https://doi.org/10.1097/M.D.00000000000040392	Wrong timeframe
Adjusted indirect comparison of celecoxib versus rofecoxib on cardiovascular risk	Lee, Y. H.; Ji, J. D.; Song, G. G.	2007	Rheumatology International	Vol.27	5	477-482p	https://doi.org/10.1007/s00296-006-0244-y	Wrong timeframe
Effects of celecoxib, a novel cyclooxygenase-2 inhibitor, on platelet function in healthy adults: A randomized, controlled trial	Leese, P. T.; Hubbard, R. C.; Karim, A.; Isakson, P. C.; Yu, S. S.; Geis, G. S.	2000	Journal of Clinical Pharmacology	40	2	124-132	10.1177/00912700022008766	Wrong timeframe

Observation on the effect of Chinese medicine hyperthermia combined with sodium hyaluronate in the treatment of knee osteoarthritis for 50 cases	Li, J. H.	2016	Guangming journal of chinese medicine[guang ming zhong yi]	Vol.31	15	2230-2231p	Not available	Wrong study design
Analgesics-assisted early functional exercise following minimally invasive total hip arthroplasty	Li, L.; Pan, Q.; Cao, Y. Z.; Gao, H.; Xu, S. F.; Cong, X. L.; Yang, Y.; Wu, L. R.	2011	Journal of Clinical Rehabilitative Tissue Engineering Research	Vol.15	9	1553-1556p	https://doi.org/10.3969/j.issn.1673-8225.2011.09.009	Not available in full-text
Safety of celecoxib in patients with adverse reactions to nimesulide	Liccardi, G.; D'Amato, G.; Canonica, G. W.; Lobefalo, G.; Noschese, P.; Piccolo, A.; Salzillo, A.; Passalacqua, G.	2005	Allergy: European Journal of Allergy and Clinical Immunology	60	5	708-709	10.1111/j.1398-9995.2005.00726.x	Wrong publication type (e.g. conference paper)
Efficacy of needle warming moxibustion combined with celecoxib on knee Osteoarthritis and its effects on levels of serum MMP-3, TIMP-1, TMP-1 and IGF-1	Lin, S. L.; Ye, M.	2020	Chinese Journal of General Practice	18	3	476-479	10.16766/j.cnki.issn.1674-4152.001277	Other language
Efficacy, Tolerability, and Safety of DFN-15 (Celecoxib Oral Solution, 25 mg/mL) in the Acute Treatment of Episodic Migraine: a	Lipton, R. B.; Munjal, S.; Brand-Schieber, E.;	2020	Headache	Vol.60	1	58-70p	https://doi.org/10.1111/head.13663	Wrong timeframe

Randomized, Double-Blind, Placebo-Controlled Study	Tepper, S. J.; Dodick, D. W.							
Acute treatment of migraine with celecoxib oral solution: Results of a randomized, placebo-controlled clinical trial	Lipton, R. B.; Munjal, S.; Dodick, D. W.; Tepper, S. J.; Serrano, D.; Iaconangelo, C.	2021	Journal of Pain Research	14	Not available	549-560	https://dx.doi.org/10.2147/JPR.S287571	Wrong timeframe
A multicenter, randomized, double-blind, placebo-controlled study of the efficacy, tolerability, and safety of celecoxib oral solution (Elyxyb) in acute treatment of episodic migraine with or without aura	Lipton, R. B.; Munjal, S.; Tepper, S. J.; Iaconangelo, C.; Serrano, D.	2021	Journal of Pain Research	14	Not available	2529-2542	https://dx.doi.org/10.2147/JPR.S322292	Wrong dose
Preoperative celecoxib analgesia is more efficient and equally tolerated compared to postoperative celecoxib analgesia in knee osteoarthritis patients undergoing total knee arthroplasty: A randomized, controlled study	Liu, J.; Wang, F.	2018	Medicine	97	51	e13663	https://dx.doi.org/10.1097/MD.00000000000013663	Unclear person-level outcomes
Perspective randomized control study on different NSAIDs drugs after rotator cuff repair	Lu, Y.; Li, Y.; Li, F.; Jiang, C.	2015	Zhonghua yi xue za zhi	Vol.95	29	2337-2341p	https://doi.org/10.3760/cm.a.j.issn.0376-	Other language

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Comparative evaluation of efficacy of use of naftopidil and/or celecoxib for medical treatment of distal ureteral stones	Lv, J. L.; Tang, Q. L.	2014	Urolithiasis	Vol.42	6	541-547p	https://doi.org/10.1007/s00240-014-0708-6	Did not report AE
Clinical Observation of Preemptive Analgesia with Celecoxib in Painless Induced Abortion	Ma, Yanfeng; Xu, Jiliang; Peng, Sheng	2018	Not available	Vol.7	2	105-107,114p	Not available	Not available in full-text
Short-Term Effects of Early Postoperative Celecoxib Administration for Pain, Sleep Quality, and Range of Motion After Total Knee Arthroplasty: a Randomized Controlled Trial	Mammoto, T.; Fujie, K.; Taguchi, N.; Ma, E.; Shimizu, T.; Hashimoto, K.	2021	Journal of Arthroplasty	Vol.36	2	526-531p	https://doi.org/10.1016/j.arth.2020.08.018	Wrong dose
Paracetamol vs celecoxib (cox-II inhibitor), for treatment of postoperative pain after laparoscopic cholecystectomy	Mantouvalou, M.	2011	Regional Anesthesia and Pain Medicine	2)	Not available	E273	Not available	Wrong publication type (e.g. conference paper)
Analgesia with paracetamol/tramadol vs COX-II inhibitor celecoxib in one day surgery	Mantouvalou, M.	2011	Regional Anesthesia and Pain Medicine	2)	Not available	E177	Not available	Not available in full-text
Acute pain relief by a proprietary, nano-formulated lower dose oral diclofenac	Manvelian, G.; Daniels, S.; Gibofsky, A.	2012	Clinical Pharmacology and Therapeutics	1)	Not available	S55	https://doi.org/10.1038/clpt.2011.361	Wrong publication type (e.g. conference paper)

Celecoxib as a pre-emptive analgesia after arthroscopic knee surgery; a triple-blinded randomized controlled trial	Mardani-Kivi, M.; Karimi Mobarakeh, M.; Haghighi, M.; Naderi-Nabi, B.; Sedighi-Nejad, A.; Hashemi-Motlagh, K.; Saheb-Ekhtiari, K.	2013	Archives of Orthopaedic and Trauma Surgery	Vol.133	11	1561-1566p	https://doi.org/10.1007/s00402-013-1852-0	Wrong dose
Celecoxib use and circulating oxylipins in a colon polyp prevention trial	Martinez, J. A.; Yang, J.; Wertheim, B. C.; Roe, D. J.; Schriewer, A.; Lance, P.; Alberts, D. S.; Hammock, B. D.; Thompson, P. A.	2018	PLoS ONE	Vol.13	4	e0196398p	https://doi.org/10.1371/journal.pone.0196398	Did not report AE
Postoperative analgesia after laparoscopic cholecystectomy: Comparison of the preoperative administration of celecoxib with paracetamol?	Mebazaa, M. S.; Frikha, N.; Hammouda, N. B.; Mestiri, T.; Mestiri, H.; Khalfallah, T.; Ammar, M. S. B.	2008	Tunisie Medicale	86	10	869-873	Not available	Not available in full-text

A Comparative Study of the Effect of Prednisolone and Celecoxib on MMO (Maximum Mouth Opening) and Pain Following Removal of Impacted Mandibular Third Molars	Moghaddamni a, A. A.; Nosrati, K.; Mehdizadeh, M.; Milani, S.; Aghvami, M.	2013	Journal of Maxillofacial & Oral Surgery	12	2	184-187	10.1007/s12663-012-0401-7	Did not report AE
American pain society pain questionnaire and other pain measures in the assessment of osteoarthritis pain: a pooled analysis of three celecoxib pivotal studies	Moskowitz, R. W.; Sunshine, A.; Brugger, A.; Lefkowitz, J. B.; Zhao, W. W.; Geis, G. S.	2003	American Journal of Therapeutics	Vol.10	1	12-20p	https://doi.org/10.1097/00045391-200301000-00005	Wrong timeframe
Comparison of the effects of preoperative celecoxib and gabapentin on pain, functional recovery, and quality of life after total knee arthroplasty: A randomized controlled clinical trial	Motifard, M.; Hatami, S.; Feizi, A.; Toghyani, A.; Parhamfar, M.	2023	Journal of Research in Medical Sciences	28	Not available	50	https://dx.doi.org/10.4103/jrms.jrms_416_22	Unclear person-level outcomes
Comparing preemptive injection of peri-articular-multimodal drug with oral celecoxib for postoperative pain management in total knee arthroplasty: A randomized clinical trial	Motifard, M.; Zarezadeh, A.; Mohammadsharifi, G.	2023	Journal of Research in Medical Sciences	28	Not available	51	https://dx.doi.org/10.4103/jrms.JRMS_208_19	Did not report AE
Variability in reported most bothersome symptom in subjects with acute migraine with or without aura: a post hoc analysis	Munjal, S.; Bennett, A.	2017	Headache	57	Not available	207-208	https://doi.org/10.1111/head.2017.57.issue-S3	Wrong publication type (e.g. conference paper)

DFN-15 (Celecoxib Oral Solution, 25 Mg/ML) in the acute treatment of episodic migraine: efficacy results from two phase III randomized, double-blind, placebo-controlled studies	Munjal, S.; Lipton, R. B.; Serrano, D.; Iaconangelo, C.; Tepper, S.; Dodick, D. W.	2020	Headache	60	94	2020-06	https://doi.org/10.1111/head.13854	Wrong publication type (e.g. conference paper)
CATEGORY: INDUSTRY-INITIATED CLINICAL TRIALS DFN-15 (Celecoxib Oral Solution, 25 mg/mL) in the Acute Treatment of Episodic Migraine: Efficacy Results From Two Phase III Randomized, Double-Blind, Placebo-Controlled Studies	Munjal, S.; Lipton, R. B.; Serrano, D.; Iaconangelo, C.; Tepper, S.; Dodick, D. W.	2020	Headache	60	Not available	94-94	Not available	Wrong publication type (e.g. conference paper)
Celecoxib pharmacogenetics and pediatric adenotonsillectomy: a double-blinded randomized controlled study	Murto, K.; Lamontagne, C.; McFaul, C.; MacCormick, J.; Ramakko, K. A.; Aglipay, M.; Rosen, D.; Vaillancourt, R.	2015	Journal canadien d'anesthésie [Canadian journal of anaesthesia]	Vol.62	7	785-797p	https://doi.org/10.1007/s12630-015-0376-1	Wrong timeframe
Celecoxib-tramadol co-crystal: Efficacy in acute postoperative pain	Nair, A.	2022	Indian Journal of Pharmacology	54	4	297-298	10.4103/ijp.ijp-141-22	Wrong publication type (e.g. conference paper)
Comparative efficacy and safety of Verbascox-Æ - a proprietary herbal extract capable of inhibiting human cyclooxygenase-	Nannoni, G.; Volterrani, G.; Mattarocci, A.	2020	Drug Discoveries and Therapeutics	14	3	129-134	10.5582/ddt.2020.03034	Wrong timeframe

2 - and celecoxib for knee osteoarthritis	Minorette, P.; Emanuele, E.							
A randomized, open-label study comparing the efficacy and safety of lidocaine patch 5% with celecoxib 200 mg in patients with chronic axial low-back pain	Nicholson, B.; Galer, B. S.; Oleka, N.; Gammaitoni, A. R.	2005	Arthritis and Rheumatism	52	9	S523-S524	Not available	Wrong publication type (e.g. conference paper)
Celecoxib and ketoprofen for pain management during tonsillectomy: a placebo-controlled clinical trial	Nikanne, E.; Kokki, H.; Salo, J.; Linna, T. J.	2005	Otolaryngology--head and neck surgery	Vol.132	2	287-294p	https://doi.org/10.1016/j.otohns.2004.09.005	Wrong timeframe
Comparison of analgesic efficacy among pregabalin, celecoxib, pregabalin with celecoxib and placebo after total knee arthroplasty under intrathecal morphine	Niruthisard, S.; Earsakul, A.; Bunburaphong, P.; Chinda, P.; Anutinmanee, R.; Prapreuttham, S.; Tunprayoon, A.; Werawatganon, T.	2011	Regional Anesthesia and Pain Medicine	2)	Not available	E273	Not available	Not available in full-text
Preoperative pregabalin and/or celecoxib for pain management after total knee arthroplasty under intrathecal morphine: a randomized controlled trial	Niruthisard, S.; Earsakul, A.; Bunburaphong, P.; Chinda, P.; Anutinmanee, R.;	2013	Asian Biomedicine	7	4	579-585	10.5372/1905-7415.0704.215	Did not report AE

	Prapreuttham, S.; Tunprayoon, A.; Werawatganon, T.							
Do Selective COX-2 Inhibitors Affect Pain Control and Healing After Arthroscopic Rotator Cuff Repair? A Preliminary Study	Oh, J. H.; Seo, H. J.; Lee, Y. H.; Choi, H. Y.; Joung, H. Y.; Kim, S. H.	2018	American Journal of Sports Medicine	Vol.46	3	679-686p	https://doi.org/10.1177/0363546517744219	Wrong timeframe
Potential Effect of Celecoxib on Pain Reduction and Gene Expression Related with Prostaglandins after Single Port Laparoscopic Surgery	Oh, S.; Mun, J.; Park, S. J.; Park, N.; Kim, H. S.	2020	Journal of Minimally Invasive Gynecology	Vol.27	7	S80-S81p	https://doi.org/10.1016/j.jmig.2020.08.622	Wrong publication type (e.g. conference paper)
Comparative study of the clinical efficacy of the selective cyclooxygenase-2 inhibitor celecoxib compared with loxoprofen in patients with frozen shoulder	Ohta, S.; Komai, O.; Hanakawa, H.	2014	Modern Rheumatology	Vol.24	1	144-149p	https://doi.org/10.3109/14397595.2013.852857	Wrong timeframe
Does celecoxib use increase the risk of cardiovascular events?	Oviedo, J. A.; Schroy Iii, P. C.	2005	Gastroenterology	129	4	1348-1350	10.1053/j.gastro.2005.08.029	Wrong publication type (e.g. conference paper)
A randomised controlled trial of parecoxib, celecoxib and paracetamol as adjuncts to patient-controlled epidural analgesia after caesarean delivery	Paech, M. J.; McDonnell, N. J.; Sinha, A.; Baber, C.; Nathan, E. A.	2014	Anaesthesia and Intensive Care	Vol.42	1	15-22p	https://doi.org/10.1177/0310057X1404200105	Did not report AE

Pharmacokinetics of DFN-15, a Novel Oral Solution of Celecoxib, Versus Celecoxib 400-mg Capsules: a Randomized Crossover Study in Fasting Healthy Volunteers	Pal, A.; Shenoy, S.; Gautam, A.; Munjal, S.; Niu, J.; Gopalakrishna n, M.; Gobburru, J.	2017	Clinical Drug Investigation	Vol.37	10	937- 946p	https://doi.org/10.1007/s40261-017-0548-6	Wrong comparatorYT (2025-07-08 13:10:37)(Select) : No placebo;
Re: Efficacy of celecoxib, a COX-2-specific inhibitor, and naproxen in the management of acute ankle sprain - Results of a double-blind, randomized controlled trial	Pearson, R. L.; Petrella, R. J.	2005	Clinical Journal of Sport Medicine	15(3)	Not availabl e	196- 197	https://dx.doi.org/10.1097/01.jsm.0000157659.78146.7c	Wrong publication type (e.g. conference paper)
Celecoxib effectively treats patients with acute shoulder tendinitis/bursitis	Petri, M.; Hufman, S. L.; Waser, G.; Cui, H.; Snabes, M. C.; Verburg, K. M.	2004	Journal of Rheumatolog y	Vol.31	8	1614- 1620p	Not available	Did not report AE
Celecoxib in the management of acute renal colic: a randomized controlled clinical trial	Phillips, E.; Hinck, B.; Pedro, R.; Makhlouf, A.; Kriedberg, C.; Hendlin, K.; Monga, M.	2009	Urology	Vol.74	5	994- 999p	https://doi.org/10.1016/j.urology.2009.04.063	Did not report AE
The preemptive analgesic effect of celecoxib for day-case diagnostic laparoscopy	Phinchantra, P.; Bunyavehchev in, S.;	2004	Chotmai het thangphaet [Journal of the Medical	Vol.87	3	283- 288p	Not available	Not available in full-text

	Suwajanakorn, S.; Wisawasukmongchol, W.		Association of Thailand]					
A Multicentre, Randomized, Placebo-and Active-Controlled Trial Comparing the Efficacy and Safety of Topical Ketoprofen in Transfersome Gel (IDEA-033) with Ketoprofen-Free Vehicle (TDT 064) and Oral Celecoxib for Knee Pain Associated with Osteoarthritis	Pieler-Bruha, E.	2013	Journal fur Mineralstoffwechsel	20	4	168-169	Not available	Wrong timeframe
Pain assessment after periodontal surgery using different preoperative anti-inflammatory drugs	Pilatti, G. L.; Tozetto, C.; Cavassim, R.; Bianchi, A. K.; Santos, F. A.	2356	83rd general session of IADR/AADR/CADR	Not available	Not available	Not available	Not available	Wrong publication type (e.g. conference paper)
Painful knee osteoarthritis: Chondroitin sulfate with glucosamine hydrochloride is equally effective and safe as celecoxib	Plate, A.	2016	Praxis	105	17	1037-1038	10.1024/1661-8157/a002456	Wrong publication type (e.g. conference paper)
Fixed drug eruption caused by etoricoxib with tolerance to celecoxib and parecoxib	Ponce, V.; Munoz-Bellido, F.; Moreno, E.; Laffond, E.; Gonzalez, A.; Davila, I.	2012	Contact Dermatitis	66	2	107-8	https://dx.doi.org/10.1111/j.1600-0536.2011.01982.x	Wrong study design

Selective cyclooxygenase-2 inhibitors development in cardiovascular medicine	Praticv≤, D.; Dognv©, J. M.	2005	Circulation	112	7	1073-1079	10.1161/CIRCULATION.104.524231	Wrong study design
Efficacy and safety between early use and late use of celecoxib in hip osteoarthritis patients who receive total hip arthroplasty: a randomized, controlled study	Pu, C.; Jiang, X.; Sun, Y.; Lin, H.; Li, S.	2021	Inflammopharmacology	Vol.29	6	1761-1768p	https://doi.org/10.1007/s10787-021-00880-1	Wrong intervention
Safety and tolerability of DFN-15 (Celecoxib Oral Solution, 25 mg/mL) in the acute treatment of episodic migraine: safety results from two phase III randomized, double-blind, placebo-controlled studies	L. Ipton R; Munjal, S.; Brand-Schieber, E.; Tepper, S.; Dodick, D.	2019	Postgraduate Medicine	Vol.131	SUPPL 1	24p	https://doi.org/10.1080/00325481.2019.1655695	Wrong publication type (e.g. conference paper)
Efficacy and tolerability of celecoxib versus diclofenac: Results of a multicenter, randomized, double-blind, noninferiority study in subjects with acute low back pain	Ralha, L. V. D. B.; Oliveira, L. G.; Chahade, W. H.; Rangel, P.; Sun, W.	2008	Revista Brasileira de Medicina	65	11	378-387	Not available	Not available in full-text
The analgesic efficacy of celecoxib, pregabalin, and their combination for spinal fusion surgery	Reuben, S. S.; Buvanendran, A.; Kroin, J. S.; Raghunathan, K.	2006	Anesthesia and Analgesia	Vol.103	5	1271-1277p	https://doi.org/10.1213/01.ane.0000237279.08847.2d	Retracted publication;
RETRACTED: A prospective randomized trial on the role of perioperative celecoxib	Reuben, S. S.; Buvenandran,	2008	Retracted: Anesthesia	106	4	1258-1264	10.1213/ane.0b01	Wrong publication type

administration for total knee arthroplasty: Improving clinical outcomes (Retracted Article)	A.; Katz, B.; Kroin, J. S.		and Analgesia				3e318165e208	(e.g. conference paper)
A prospective randomized trial on the role of perioperative celecoxib administration for total knee arthroplasty: Improving clinical outcomes (Retraction in: Anesthesia and Analgesia (2009) 108:4 (1350))	Reuben, S. S.; Buvenandran, A.; Katz, B.; Kroin, J. S.	2008	Anesthesia and Analgesia	106	4	1258-1264	10.1213/ane.0b013e318165e208	Retracted publication;
The effect of cyclooxygenase-2 inhibition on acute and chronic donor-site pain after spinal-fusion surgery	Reuben, S. S.; Ekman, E. F.; Raghunathan, K.; Steinberg, R. B.; Blinder, J. L.; Adesioye, J.	2006	Regional Anesthesia and Pain Medicine	Vol.31	1	6-13p	https://doi.org/10.1016/j.rampm.2005.10.014	Retracted publication;
NSAIDs do not prevent exercise-induced performance deficits or alleviate muscle soreness: a placebo-controlled randomized, double-blinded, cross-over study	Roberts, B. M.; Sczuroski, C. E.; Caldwell, A. R.; Zeppetelli, D. J.; Smith, N. I.; Pecorelli, V. P.; Gwin, J. A.; Hughes, J. M.; Staab, J. S.	2024	Journal of Science and Medicine in Sport	Vol.27	5	287-292p	https://doi.org/10.1016/j.jsams.2024.02.002	Did not report AE
Efficacy of celecoxib in the treatment of joint pain caused by advanced haemophilic arthropathy in adult patients with haemophilia A	Rodriguez-Merchan, E. C.; de la Corte-Rodriguez, H.;	2014	Haemophilia	Vol.20	3	e225-7p	https://doi.org/10.1111/hae.12393	Wrong publication type (e.g. conference paper)

	Jimenez-Yuste, V.							
Celacoxib effectively treats patients with acute shoulder tendinitis/bursitis	Romano, T. J.	2006	Journal of Musculoskeletal Pain	14	1	71	10.1016/j.molcatb.2006.04.009	Did not report AE
Is the inflammatory reaction an essential part of recovery after muscle injury?	Rother, M.; Seidel, E. J.; Fischer, A.; Rother, I.	2012	Annals of the Rheumatic Disease. Conference: Annual European Congress of Rheumatology of the European League Against Rheumatism, EULAR	71	SUPPL . 3	Not available	https://dx.doi.org/10.1136/annrheumdis-2012-eular.2914	Wrong publication type (e.g. conference paper)
Validation study for a model of acute muscle pain	Rother, M.; Seidel, E. J.; Rother, I.; Fischer, A.; Schropp, M.	2011	European Journal of Pain Supplements	5(1)	Not available	120	https://dx.doi.org/10.1016/S1754-3207%2811%2970408-4	Other language
Effects of pre-operative celebrex on post-operative pain management in patients undergoing primary pterygium excision and amniotic membrane	Ruan, X.; Zhang, Y.; Lu, M.; Tang, H.; Jin, M.; Ynag, W.	2012	Regional Anesthesia and Pain Medicine	1)	Not available	E311	https://dx.doi.org/10.1097/AAP.0b0	Wrong publication type (e.g. conference paper)

transplantation: A prospective study							13e31826a8366	
The post-operative analgesic efficacy of parecoxib compared with celecoxib and placebo after lower limbs orthopedic surgeries	Saadatniaki, A.; Momenzadeh, S.; Abtahi, D.	2012	British Journal of Anaesthesia	108	Not available	2012-03	https://doi.org/10.1093/bja/aer489	Wrong publication type (e.g. conference paper)
A prospective, randomized trial, comparing analgesic efficacy and postoperative functional recovery of either single shot sciatic nerve block or posterior capsule infiltration combined with femoral block for total knee arthroplasty	Safa, B.; Haslam, L.; Gollish, J.; McCartney, C.	2011	Regional Anesthesia and Pain Medicine. Conference: 36th Annual Regional Anesthesia Meeting and Workshops, ASRA	36	5	Not available	https://dx.doi.org/10.1097/AAP.0b013e318228df0c	Wrong publication type (e.g. conference paper)
Efficacy and safety of additional 200-mg dose of celecoxib in adult patients with postoperative pain following extraction of impacted third mandibular molar: a multicenter, randomized, double-blind, placebo-controlled, phase II study in Japan	Saito, K.; Kaneko, A.; Machii, K.; Ohta, H.; Ohkura, M.; Suzuki, M.	2012	Clinical Therapeutics	Vol.34	2	314-328p	https://doi.org/10.1016/j.clinthera.2012.01.004	Wrong dose
Efficacy of celecoxib as preemptive analgesia for patients undergoing laparoscopic inguinal hernia repair: a randomized trial	Saito, T.; Iwamoto, S.; Murotani, K.; Hashimoto, A.; Kurahashi, S.; Fukami, Y.; Komatsu, S.	2021	Surgery Today	Vol.51	7	1118-1125p	https://doi.org/10.1007/s00595-020-02199-w	Wrong comparator

	Kaneko, K.; Mishima, H.; Sano, T.							
A blinded study using celecoxib for prevention of morphine induced pruritus in patients undergoing cesarean section	Samimi Sadeh, S.; Davari, F.; Malekian, M.	2012	Regional Anesthesia and Pain Medicine	Vol.37	5	E307p	https://doi.org/10.1097/AA.P.0b013e31826a8366	Wrong publication type (e.g. conference paper)
Effectiveness and safety of celecoxib for the treatment of rheumatoid arthritis	Sanchack, K.; Seales, S.; Seales, P.	2018	American Family Physician	97	9	573	Not available	Wrong publication type (e.g. conference paper)
Comparison the efficacy of pre-emptive oral celecoxib with acetaminophen in controlling post-operative pain and nausea after lower limb surgery under general anesthesia	Saryazdi, H.; Moradi, D.; Hamedani, A.; Aghadavoudi, O.	2016	Journal of Cellular and Molecular Anesthesia	1	2	62-68	10.22037/jcma.v1i2.11418	Unclear person-level outcomes
Celecoxib versus ibuprofen in the prevention of heterotopic ossification following total hip replacement	Saudan, M.; Saudan, P.; Perneger, T.; Riand, N.; Keller, A.; Hoffmeyer, P.	2007	Journal of Bone and Joint Surgery - Series B	89	2	155-159	10.1302/0301-620X.89B2.17747	Did not report AE
Efficacy of low-dose celecoxib in patients with acute pain	Schachtel, B. P.; McCabe, D.; Berger, M.; Zhang, R.; Sanner, K. M.;	2011	The journal of pain	Vol.12	7	756-763p	https://doi.org/10.1016/j.jpain.2010.12.014	Wrong intervention

	Savino, L.; Rizouk, J.; Schachtel, E. P.							
Efficacy and tolerability of celecoxib in the treatment of acute gouty arthritis: a randomized controlled trial	Schumacher, H. R.; Berger, M. F.; Li-Yu, J.; Perez-Ruiz, F.; Burgos-Vargas, R.; Li, C.	2012	Journal of Rheumatology	Vol.39	9	1859-1866p	https://doi.org/10.3899/jrheum.110916	Wrong timeframe
Comparative inhibitory activity of etoricoxib, celecoxib, and diclofenac on COX-2 versus COX-1 in healthy subjects	Schwartz, J. I.; Dallob, A. L.; Larson, P. J.; Laterza, O. F.; Miller, J.; Royalty, J.; Snyder, K. M.; Chappell, D. L.; Hilliard, D. A.; Flynn, M. E.; Cavanaugh Jr, P. F.; Wagner, J. A.	2008	Journal of Clinical Pharmacology	48	6	745-754	10.1177/0091270008317590	Unclear person-level outcomes
Consistency of Response to Liquid Celecoxib in Adults With Migraine: post Hoc Analysis of Results From Two Randomized, Placebo-Controlled Studies	Serrano, D.; Tepper, S.; Ko, M.; Kunkel, T.; Lipton, R.	Not available	Neurology	Vol.100	17	2023-04-22 to 2023-04-27. American Academic	https://doi.org/10.1212/WNL.00000000000002240	Wrong publication type (e.g. conference paper)

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Chondroitin/glucosamine equal to celecoxib for knee osteoarthritis	Shaughnessy, A. F.	2016	American Family Physician	Vol.93	12	1032p	Not available	Wrong publication type (e.g. conference paper)
Effects of perioperative administration of celecoxib on pain management and recovery of function after total knee replacement	Shen, B.; Tang, X.; Yang, J.; Li, Y.; Zhou, Z. K.; Kang, P. D.; Pei, F. X.	2009	Zhonghua wai ke za zhi [Chinese journal of surgery]	Vol.47	2	116-119p	Not available	Other language
Optimized Reconstruction Algorithm Based Analysis of Effects of Exercise Therapy Combined with Celecoxib Capsules on the Rehabilitation of Knee Osteoarthritis Using Computed Tomography Images	Shi, Y.; Yang, Y.; Wang, F.	2021	Scientific Programming	2021	Not available	Not available	10.1155/2021/9590266	Did not report AE
Results from the pivotal phase 3 trial of nano-formulated, lower dose diclofenac demonstrating early and sustained acute pain relief	Silberstein, S.; Argoff, C.; Gibofsky, A.; Daniels, S.; Manvelian, G.	2012	Headache	52(6)	Not available	1055-1056	https://doi.org/10.1111/j.1526-4610.2012.02201.x	Wrong publication type (e.g. conference paper)

Efficacy and safety of nano-formulated, lower dose nsoids	Silberstein, S.; Daniels, S.; Gibofsky, A.; Manvelian, G.	2012	Headache	52(5)	Not available	886	https://dx.doi.org/10.1111/j.1526-4610.2012.02174.x	Wrong publication type (e.g. conference paper)
Comparison of Postoperative Pain Management after Third Molar Extraction with Two Anti-Inflammatory Drugs	Singh, K. T.; Kumar, M.; Singh, N.; Ranjan, S.; Mishra, V.; Gourav, R.	2021	Nigerian Medical Journal	62	5	238-242	https://dx.doi.org/10.60787/NMJ-62-5-49	Did not report AE
Rofecoxib 12.5 mg, rofecoxib 25 mg, and celecoxib 200 mg in the treatment of symptomatic osteoarthritis: results of two similarly designed studies	Smugar, S. S.; Schnitzer, T. J.; Weaver, A. L.; Rubin, B. R.; Polis, A. B.; Tershakovec, A. M.	2006	Current Medical Research and Opinion	Vol.22	7	1353-1367p	https://doi.org/10.1185/030079906X104876	Wrong timeframe
Nano-formulated lower dose nsoids preferred by patients experiencing acute pain	Strand, V.; Altman, R.; Daniels, S.; Manvelian, G.	2012	Annals of the Rheumatic Disease. Conference: Annual European Congress of Rheumatology of the European League Against	71	SUPPL. 3	Not available	https://dx.doi.org/10.1136/annrheumdis-2012-eular.598	Wrong publication type (e.g. conference paper)

			Rheumatism, EULAR					
Safety and efficacy profile of nano-formulated, lower dose non-steroidal anti-inflammatory drugs	Strand, V.; Altman, R.; Daniels, S.; Manvelian, G.	2012	Osteoarthritis and Cartilage	20	Not available	S284-S285	https://doi.org/10.1016/j.joca.2012.02.490	Wrong publication type (e.g. conference paper)
Efficacy and safety of diclofenac-cholestyramine and celecoxib in osteoarthritis	Suarez-Otero, R.; Robles-San Roman, M.; Jaimes-Hernandez, J.; Oropeza-De La Madrid, E.; Medina-Penalosa, R. M.; Rosas-Ramos, R.; Castaneda-Hernandez, G.	2002	Proceedings of the Western Pharmacology Society	45	Not available	26-28	Not available	Wrong timeframe
Perioperative versus postoperative celecoxib on patient outcomes after major plastic surgery procedures	Sun, T.; Sacan, O.; White, P. F.; Coleman, J.; Rohrich, R. J.; Kenkel, J. M.	2008	Anesthesia & Analgesia	106	3	950-8, table of contents	https://doi.org/10.1213/ane.0b013e3181618831	Did not report AE
A randomized, open label, controlled trial of celecoxib (CELEBREX) versus naproxen sodium in the treatment of acute migraine	Tan, H. J.; Loo, C. Y.; Shamsul, A. S.; Raymond, A. A.	2005	Journal of the Neurological Sciences	238	Not available	S487-S487	Not available	Not available in full-text

Randomised, open label, controlled trial of celecoxib in the treatment of acute migraine	Tan, H. J.; Teh, H. S.; Raymond, A. A.; Loo, C. Y.	2007	Singapore Medical Journal	48(9)	Not available	834-839	Not available	Wrong timeframe
Efficacy of Celecoxib Oral Solution in Adults With and Without Baseline Nausea: Post Hoc Analysis of Results From Two Randomized, Double-Blind Placebo-Controlled Trials in the Acute Treatment of Migraine	Tepper, S.; Serrano, D.; Ko, M.; Lipton, R.; Kunkel, T.	2023	Neurology. Conference: American Academy Of Neurology Annual Meeting, AAN	100	17 Supplement 2	Not available	https://doi.org/10.1212/WNL.000000000202237	Wrong publication type (e.g. conference paper)
Impact of celecoxib oral solution on symptomatic improvements in the acute treatment of migraine	Tepper, S. J.; Kushner, H.; Ko, M.; Kunkel, T.	2022	Headache	Vol.62	SUPPL 1	148p	https://doi.org/10.1111/head.14317	Wrong publication type (e.g. conference paper)
Celecoxib oral solution in the acute treatment of migraine: Pooled efficacy and safety results from 2 randomized placebo-controlled trials	Tepper, S. J.; Kushner, H.; Ko, M.; Kunkel, T.; Lipton, R. B.	2022	Headache	62	Not available	50-51	Not available	Wrong publication type (e.g. conference paper)
Treatment effects of celecoxib oral solution in migraine with aura and without aura: post-hoc analysis of results from two randomized, double-blind placebo-controlled trials	Tepper, S. J.; Serrano, D.; Iaconangelo, C.; Lipton, R. B.	2022	Headache	Vol.62	SUPPL 1	168-169p	https://doi.org/10.1111/head.14317	Wrong publication type (e.g. conference paper)
In vivo study of pro-inflammatory cytokine changes in serum and synovial fluid during treatment with celecoxib and etoricoxib and correlation with VAS pain change	Theodoridou, A.; Gika, H.; Diza, E.; Garyfallos, A.; Settas, L.	2017	Mediterranean Journal of Rheumatology	28	1	33-40	https://doi.org/10.31138/mjr.28.1.33	Did not report AE

and synovial membrane penetration index in patients with inflammatory arthritis								
Analgesic outcome of taking celecoxib by time medicine method following total knee arthroplasty	Tian, J.; Zu, Q. M.; Xiang, L. B.; Liu, X. M.; Cao, Y.; Zhou, D. P.	2006	Chinese Journal of Clinical Rehabilitation	10	48	39-41	Not available	Not available in full-text
Comparison between celecoxib and prednisolone in bridge stage therapy following medication overuse headache: double blind randomized clinical trial	Togha, M.; Paknejad, S. M. H.; Taghvaei, E.; Ramim, T.; Jahromi, S. R.	2014	Journal of Headache and Pain	15	Not available	1	10.1186/1129-2377-15-s1-c54	Wrong publication type (e.g. conference paper)
Celecoxib versus prednisolone in medication overuse headache withdrawal treatment: Double blind randomized clinical trial	Toghae, M.; Reza Ghini, M.; Hassan Paknejad, S. M.; Zahmat Kesh, E. T.; Ramim, T.	2014	Tehran University Medical Journal	71	12	780-786	Not available	Other language
Application and effect of auricular acupoint pressing for analgesia in perioperative period of total knee joint replacement	Tong, P. J.; Wang, H. D.; Ma, Z. C.	2010	Zhongguo zhong xi yi jie he za zhi zhongguo zhongxiyi jiehe zazhi = chinese journal of integrated traditional	Vol.30	9	931-934p	Not available	Not available in full-text

			and western medicine					
A randomized controlled trial comparing the efficacy of perioperative celecoxib versus ketorolac for perioperative pain control	Ulm, M.; Watson, C. H.; ElNaggar, A. C.; Tillmanns, T.; Daily, L. R.	2017	Gynecologic Oncology	145	Not available	16-17	https://doi.org/10.1016/j.ygyno.2017.03.055	Wrong publication type (e.g. conference paper)
Comparison of the effect of different dosages of celecoxib on reducing pain after cystocele and rectocele repair surgery	Vahabi, S.; Karimi, A.; Beiranvand, S.; Moradkhani, M.; Hassanvand, K.	2020	Open Anesthesia Journal	14	1	30-34	10.2174/2589645802014010030	Unclear person-level outcomes
Celecoxib Versus Placebo in Tonsillectomy: a Prospective, Randomized, Double-Blind Placebo-Controlled Trial	Van Daele, D. J.; Bodeker, K. L.; Trask, D. K.	2016	Annals of otology, rhinology, and laryngology	Vol.125	10	785-800p	https://doi.org/10.1177/0003489416654707	Wrong timeframe
Antipyretic effect of celecoxib (C) in endotoxin induced fever	Vargas, R.; McMahon, F. G.; Noveck, R.; Drower, E.; Hubbard, R.; Wallemark, D.	1999	Clinical Pharmacology and Therapeutics	65	2	172	10.1016/S0009-9236(99)80221-5	Wrong publication type (e.g. conference paper)
Comparing Gabapentin and Celecoxib in Pain Management and Complications After Laminectomy: A Randomized Double-Blind Clinical Trial	Vasigh, A.; Najafi, F.; Khajavikhan, J.; Jaafarpour, M.; Khani, A.	2016	Iranian Red Crescent Medical Journal	18	2	e34559	https://dx.doi.org/10.5812/ircmj.34559	Wrong dose

Pharmacokinetics of multiple doses of co-crystal of tramadol-celecoxib: findings from a four-way randomized open-label phase I clinical trial	Videla, S.; Lahjou, M.; Vaqu,; eacute, A.; Sust, M.; Escriche, M.; Soler, L.; Sans, A.; Sicard, E.; Gasc,; oacute;n, N.; Encina, G.; Plata, Salam; aacute;n, C.	2018	British Journal of Clinical Pharmacology	Vol.84	1	64-78p	https://doi.org/10.1111/bcp.13428	Wrong dose
Single-dose pharmacokinetics of co-crystal of tramadol-celecoxib: Results of a four-way randomized open-label phase I clinical trial in healthy subjects	Videla, S.; Lahjou, M.; Vaque, A.; Sust, M.; Encabo, M.; Soler, L.; Sans, A.; Sicard, E.; Gascon, N.; Encina, G.; Plata-Salaman, C.	2017	British Journal of Clinical Pharmacology	83	12	2718-2728	https://doi.org/10.1111/bcp.13395	Wrong dose
Safety of Co-Crystal of Tramadol-Celecoxib (CTC) in Patients with Acute Moderate-to-Severe Pain: Pooled Analysis of Three Phase 3 Randomized Trials	Viscusi, E. R.; Langford, R.; Morte, A.; Vaque, A.; Cebrecos, J.; Sust, M.; Gimenez-Arnau, J. M.;	2024	Pain and Therapy	13	6	1617-1631	https://doi.org/10.1007/s40122-024-00655-w	Wrong intervention; CMC(2025-10-03 15:20:58)(Included): Excluded because STARDOM arm one or two did

	de Leon-Casasola, O.							not include celecoxib; YT (2025-09-16 09:43:09)(results data): Are we looking at different AE tables/graphs;
Combination of gabapentin and celecoxib for analgesia after major orthopedic surgery: a randomized, controlled trial	Waikakul, W.; Chalachewa, T.; Tantisirin, N.; Suranutkarin, P. E.; Saengpetch, N.	2011	Asian Biomedicine	5	1	101-110	10.5372/1905-7415.0501.012	Did not report AEYT (2025-07-08 09:44:30)(Select) : Not detailed enough on side effects;
Clinical effect of suspension training and Mulligan technique in combination with celecoxib in the treatment of chronic non-specific lower back pain	Wang, C.; Zhang, G.; Wang, J.; Zhang, W.; Zhang, Y.; Gu, Y.	2024	Tropical Journal of Pharmaceutical Research	23	5	903-909	10.4314/tjpr.v23i5.13	Wrong timeframe
Clinical efficacy of modified yanghe decoction in ankylosing spondylitis: A randomized controlled trial	Wang, Y.; Xiao, X.	2018	Medical Science Monitor	24	Not available	2912-2918	https://doi.org/10.12659/MSM.909740	Wrong timeframe
Clinical trial: the impact of cyclooxygenase inhibitors on gastrointestinal recovery after major surgery - a randomized double blind controlled trial of	Wattchow, D. A.; De Fontgalland, D.; Bampton, P. A.; Leach, P. L.;	2009	Alimentary Pharmacology & Therapeutics	Vol.30	10	987-998p	https://doi.org/10.1111/j.1365-2036.2009.01740.x	Did not report AE

celecoxib or diclofenac vs. placebo	McLaughlin, K.; Costa, M.						9.04126.x	
Cardiorenal effects of celecoxib as compared with the nonsteroidal anti-inflammatory drugs diclofenac and ibuprofen	Whelton, A.; Lefkowitz, J. L.; West, C. R.; Verburg, K. M.	2006	Kidney International	70	8	1495-1502	10.1038/sj.ki.5001766	Wrong timeframe
Celecoxib Capsule to Treatment for Elderly Knee Osteoarthritis: A Clinical Collaborative Intervention Study	Wu, F. L.; Che, K.; Ding, S. P.; Liu, J.; Yang, F.	2023	Latin American Journal of Pharmacy	42	12	2612-2617	Not available	Wrong publication type (e.g. conference paper)
Analysis of the Therapeutic Effects of Celecoxib Capsule in the Treatment of Elderly Knee Osteoarthritis: a Clinical Intervention	Wu, F. L.; Che, K.; Ding, S. P.; Liu, J.; Yang, F.	2024	Latin American Journal of Pharmacy	43	3	578-583	Not available	Wrong publication type (e.g. conference paper)
Evaluation on the effects of hyaluronan combined with different dosages of celecoxib for relieving pain and ankylosis induced by knee osteoarthritis	Wu, H. B.; Du, J. Y.; Yang, S. H.; Shao, Z. W.; Xiong, X. Q.	2004	Chinese Journal of Clinical Rehabilitation	8	26	5491-5493	Not available	Not available in full-text
New reports on dental analgesics. NSAIDs and cardiovascular effects, celecoxib for dental pain, and a new analgesic--tramadol with acetaminophen	Wynn, R. L.	2002	General Dentistry	50	3	218-20, 22	Not available	Not available in full-text
Comparison of Low Pre-Emptive Oral Doses of Celecoxib Versus Acetaminophen for Postoperative Pain Management After Third	Xie, L.; Yang, R. T.; Lv, K.; Zhou, H. H.; Li, Z.	2020	Journal of Oral and Maxillofacial Surgery	Vol.78	1	75.e1-75.e6p	https://doi.org/10.1016/j.jo	Wrong comparator

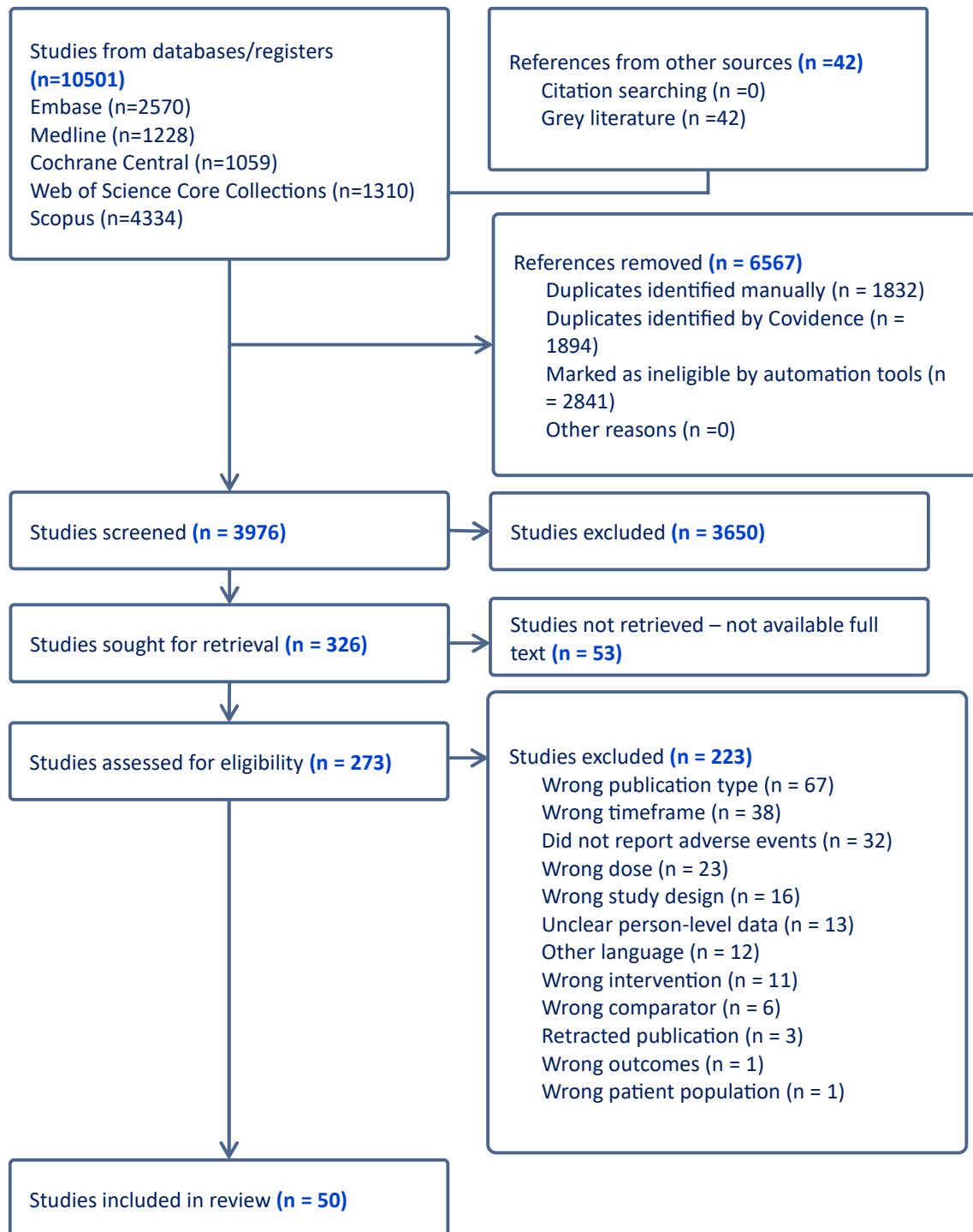
Molar Surgery: a Randomized Controlled Study							ms.2019.09.022	
Effect analysis of sacral canal therapy combined with Fufang Wulingzhi Tangjiang in the treatment of residual root pain after lumbar surgery	Xie, W.; Wu, C. J.; Li, Y.; Lu, Q. L.; Gan, X. W.; Li, X. G.; Tang, J.	2022	European Review for Medical and Pharmacological Sciences	Vol.26	24	9212-9220p	https://doi.org/10.26355/eurrev20221230674	Not available in full-text
The Effect of Manipulation Under Anesthesia for Secondary Frozen Shoulder: a Randomized Controlled Trial	Xu, Q.; Li, H.; Jiang, D.; Wang, L.; Chen, Y.; Wu, Y.; Ding, D.; Pang, J.; Chen, B.; Zheng, Y.; Zhan, H.; Wang, X.; Cao, Y.	2022	Pain and Therapy	Vol.11	4	1373-1387p	https://doi.org/10.1007/s40122-022-00438-1	Wrong timeframe
Transdermal buprenorphine patch versus oral celecoxib for pain management after total knee arthroplasty: an open- label, randomized controlled trial	Xu, X.; Xie, L.; Liu, H.; Hu, Y.	2020	Orthopaedics & traumatology, surgery & research : OTSR	Vol.106	5	915-919p	https://doi.org/10.1016/j.otsr.2020.04.010	Wrong timeframe
Peptic ulcer hemorrhage combined with acute gout: analyses of treatment in 136 cases	Xu, Z.; Zhang, R.; Zhang, D.; Yao, J.; Shi, R.; Tang, Q.; Wang, L.	2015	International Journal of Clinical and Experimental Medicine	Vol.8	4	6193-6199p	Not available	Wrong intervention
The analgesic effect and safety of preoperative versus postoperative administration of celecoxib in	Yang, J.; Wang, S.; Liu,	2022	Inflammopharmacology	Vol.30	1	185-191p	https://doi.org/10.1007/s10	Wrong dose

patients who underwent arthroscopic rotator cuff repair: a randomized, controlled study	L.; Shao, Y.; Wang, J.						787-021-00893-w	
The analgesia effect and safety of extracorporeal shock wave therapy for condensing osteitis	Yang, J. H.; Ou, D.; Chen, Z.	2015	Chinese Journal of Rehabilitation Medicine	30	7	684-688	10.3969/j.issn.1001-1242.2015.07.010	Other language
Clinical therapeutic effect and safety of celecoxib in treating knee osteoarthritis	Yu, Z.; Zhao, L.; Yu, C.; Bi, J.; Yu, X.	2018	Pakistan journal of pharmaceutical sciences	Vol.31	4(Special)	1629-1632p	Not available	Wrong publication type (e.g. conference paper)
Clinical study of high-frequency repetitive transcranial magnetic stimulation in treatment of migraine without aura	Zhang, D.; Tang, X.; Jiang, W.; Chen, Z.	2021	Chinese Journal of Neuromedicine	20	7	711-715	10.3760/cma.j.cn115354-20210409-00234	Other language
Ameliorating effect of external therapy of Chinese herb on joint function of patients with rheumatoid arthritis	Zhang, G. X.; Zhang, Y. M.; Cao, S. Y.	2006	Chinese Journal of Clinical Rehabilitation	10	3	24-26	Not available	Not available in full-text
Clinical efficacy and time-effect relationship of dynamic qi acupuncture for acute lumbar sprain	Zhang, Y. L.; Chen, S.; Luo, Z. H.; Chen, B.; Zhou, T.; Gu, X. L.; Chen, J.; Wang, K. X.; Chen, Z. Q.; Yan, P.; Chen,	2022	Zhongguo zhen jiu [Chinese acupuncture & moxibustion]	Vol.42	12	1368-1372p	https://doi.org/10.13703/j.0255-2930.2021017-0001	Other language

	B. L.; Tian, L. L.							
Efficacy of celecoxib for pain management after arthroscopic surgery of hip: a prospective randomized placebo-controlled study	Zhang, Z.; Zhu, W.; Zhu, L.; Du, Y.	2014	European journal of orthopaedic surgery & traumatology : orthopedie traumatologie	Vol.24	6	919-923p	https://doi.org/10.1007/s00590-013-1359-y	Did not report AE
Clinical observation on comprehensive treatment on cutaneous region for low back pain	Zhao, F.; Liu, S. T.	2014	Journal of Acupuncture and Tuina Science	12	4	246-250	10.1007/s11726-014-0782-x	Did not report AE
Comparison of different loading dose of celecoxib on postoperative anti-inflammation and analgesia in patients undergoing endoscopic nasal surgery-200 mg is equivalent to 400 mg	Zhao, H.; Feng, Y.; Wang, Y.; Yang, B.; Xing, Z.	2011	Pain medicine (Malden, Mass.)	Vol.12	8	1267-1275p	https://doi.org/10.1111/j.1526-4637.2011.01196.x	Wrong comparator
Effect of cyclooxygenase 2 inhibitor on levels of prostaglandin E2 in plasma and in local infiltrated fluid after functional endoscopic sinus surgery	Zhao, H.; Wang, Y.; Feng, Y.; Yang, B. X.; Xing, Z. M.; Wang, M.; Yu, L. S.	2011	Beijing da xue xue bao [Journal of Peking University Health sciences]	Vol.43	2	255-258p	Not available	Other language

Celecoxib versus parecoxib versus oxycodone in pain control for transcatheter chemoembolization in patients with hepatocellular carcinoma	Zhao, M.; Lyu, N.; Kong, Y.; Li, X.	2020	Journal of Clinical Oncology. Conference	38	4 Supplement	Not available	https://dx.doi.org/10.1200/JCO.2020.38.4_suppl.509	Wrong patient population;
Celecoxib improves quality of life in patients with osteoarthritis	Zhao, S. Z.	2000	American Family Physician	61	Not available	2471	Not available	Not available in full-text
Celecoxib reduces symptoms in men with difficult chronic pelvic pain syndrome (Category IIIA)	Zhao, W. P.; Zhang, Z. G.; Li, X. D.; Yu, D.; Rui, X. F.; Li, G. H.; Ding, G. Q.	2009	Brazilian journal of medical and biological research = revista brasileira de pesquisas medicas e biologicas	Vol.42	10	963-967p	https://doi.org/10.1590/s0100-879x2009005000021	Wrong timeframe
The efficacy and safety of early initiation of preoperative analgesia with celecoxib in patients underwent arthroscopic knee surgery	Zhou, F.; Du, Y.; Huang, W.; Shan, J.; Xu, G.	2017	Medicine (United States)	96	42	Not available	10.1097/MD.00000000000008234	Wrong dose; YT (2025-09-16 11:48:03)(results data): %; YT (2025-07-09 17:33:30)(Select) : All groups are on celecoxib. AEs lacking detailed numbers.;

Appendix 3. PRISMA flowchart.



Appendix 4. Bibliography of included studies

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Appendix 5. Characteristics of the included studies

	Study ID	Condition	Trial design	if crossover, wash up period (days)	Total sample size	Mean age in years (*median)	Females
1.	Alanoglu 2005	Hiatus hernia repair by laparoscopic Nissen fundoplication (LNF)	Parallel group	NA	60	42.5	40%
2.	Argoff 2016	Bunionectomy surgery	Parallel group	NA	428	39.7	87%
3.	Bianchi 2004	Knee OA	Crossover	3	30	69	93%
4.	Cheung 2007	Third molar extraction	Parallel group	NA	171	21.6	55%
5.	Ekenel 2003	Healthy individuals	Crossover	7	25	27.1	0%
6.	Fricke 2008	Third molar extraction	Parallel group	NA	364	23.2	62%
7.	Gimbel 2001	Orthopaedic surgery	Parallel group	NA	418	45.5	61%
8.	Hassan 2016	Hysteroscopy	Parallel group	NA	210	29.8	100%
9.	Isola 2019	Third molar extraction	Parallel group	NA	98	28.9	51%
10.	Kahlenberg 2017	Hip arthroscopy surgery for femoroacetabular impingement	Parallel group	NA	98	35	56%
11.	Kato 2017	Retrograde cholangiopancreatography pancreatitis	Parallel group	NA	170	70*	41%
12.	Kellstein 2004	Third molar extraction	Parallel group	NA	355	22.2	68%
13.	Kheirabadi 2020	Postorthopedic surgery pain of the lower extremity	Parallel group	NA	100	41	20%
14.	Langford 2022	Abdominal hysterectomy	Parallel group	NA	1138	48.4	100%
15.	Latif 2021	Mediolateral episiotomy repair in obese primigravidae undergoing spontaneous vaginal delivery.	Parallel group	NA	200	50.2	100%
16.	Li 2023	Post-total knee arthroplasty	Parallel group	NA	106	67.75	73%
17.	Lim 2008	Post-perineal repair analgesia after spontaneous vaginal birth	Parallel group	NA	329	26.75	100%

	Study ID	Condition	Trial design	if crossover, wash up period (days)	Total sample size	Mean age in years (*median)	Females
18.	Malmstrom 1999	Third molar extraction	Parallel group	NA	272	23	64%
19.	Malmstrom 2002	Third molar extraction	Parallel group	NA	482	22.1	74%
20.	Manvelian 2012	Acute dental pain after third molar extraction	Parallel group	NA	202	22.42	57%
21.	Manvelian 2014	Third molar extraction	Parallel group	NA	203	22.1	65%
22.	Mehta 2013	Microsurgical testicular sperm extraction	Parallel group	NA	35	37	0%
23.	Moberly 2007	Third molar extraction	Parallel group	NA	304	22.6	64%
24.	Munjal 2017	Migraine	Crossover	4	60	43.6	75%
25.	Nadarajah 2006	Ankle sprain	Parallel group	NA	370	63.3	34%
26.	Ng 2017	Tonsillectomy or adenotonsillectomy,	Parallel group	NA	80	.	73%
27.	Onda 2016	Second-look procedure in conjunction with removal of internal fixation secondary to anterior cruciate ligament reconstruction or arthroscopic meniscal repairs	Parallel group	NA	160	34.1	31%
28.	Parsa 2005	Aesthetic subpectoral breast augmentation	Parallel group	NA	695	34.4	100%
29.	Pelliccia 2006	Stable angina pectoris	Parallel group	NA	50	64.5	22%
30.	Petrella 2004	Acute ankle sprain	Parallel group	NA	397	30	33%
31.	Pilatti 2006	Mucoperiosteal flap surgery (oral, nasal surgery)	Crossover	30	20	36	11%
32.	Salo 2003	Acute musculoskeletal injury to the extremity	Parallel group	NA	105	29.6*	62%
33.	Schaffler 2017	Healthy individuals	Crossover	7	25	35.8	9%

	Study ID	Condition	Trial design	if crossover, wash up period (days)	Total sample size	Mean age in years (*median)	Females
34.	Sekiguchi 2015	Spinal surgery	Parallel group	NA	141	62.2	31%
35.	Singla 2022	Elective bilateral mandibular third molar extraction	Parallel group	NA	120	19.8	50%
36.	Steffens 2011	Open-flap debridement periodontal surgery	Parallel group	NA	56	38	30%
37.	Suhrabi 2013	Perineal pain caused by episiotomy	Parallel group	NA	170	25	100%
38.	Tang 2017	Simple lumbar discectomy	Parallel group	NA	96	50.1	43%
39.	Tintara 2018	Pain relief and antipyresis in second trimester medical abortions	Parallel group	NA	56	26	100%
40.	Trudeau 2015	Osteoarthritis of the knee	Crossover	7	47	.	.
41.	Viscusi 2024a	Popliteal sciatic block cessation after a primary unilateral first metatarsal osteotomy, with internal fixation but no additional collateral procedure	Parallel group	NA	637	45.8	86%
42.	Watcha 2003	Otolaryngologic surgery	Parallel group	NA	240	43.5	53%
43.	Weckx 2002	Acute viral pharyngitis	Parallel group	NA	313	31.6	66%
44.	White 2007	Laparoscopic surgery	Parallel group	NA	77	37	86%
45.	White 2011	Superficial (noncavitary) surgical procedures (e.g., hernia repair, partial mastectomy, or joint arthroscopy)	Parallel group	NA	180	48.6	41%
46.	Wittenberg 2006	Osteoarthritis of the knee	Parallel group	NA	364	64.9	58%
47.	Xu 2018	Hallux valgus surgery	Parallel group	NA	90	52.1	91%
48.	Zamiri 2009	Third Molar extraction	Parallel group	NA	41	25.1	66%

	Study ID	Condition	Trial design	if crossover, wash up period (days)	Total sample size	Mean age in years (*median)	Females
49.	Zhang 2023	Total hip arthroplasty	Parallel group	NA	156	68.7	48%
50.	Zhou 2023	Total knee arthroplasty	Parallel group	NA	149	63	77%

Appendix 6. Characteristics of the interventions of the included studies

Study ID	Interventions	Dose	NSAID classification	Single dose Celecoxib?	Intervention duration (days)	Surgical intervention indication
Alanoglu 2005	Celecoxib	200mg		Yes	1	Preoperative
	Diclofenac potassium	75mg	Nonselective			
	Rofecoxib	50mg	COX2			
	Placebo	.				
Argoff 2016	Celecoxib	400mg		No	.	Postoperative
	Solumatrix diclofenac 35mg	18mg or 35mg	Nonselective			
	Placebo	.				
Bianchi 2004	Celecoxib	200mg		No	7	NA
	Nimesulide	100mg	COX2			
	Rofecoxib	25mg	COX2			
Cheung 2007	Celecoxib	400mg		Yes	1	Postoperative
	Ibuprofen	400mg	Nonselective			
	Placebo	.				
Ekenel 2003	Celecoxib	100mg		No	7	NA
	Ibuprofen	600mg	Nonselective			
	Placebo	.				
Fricke 2008	Celecoxib	400mg		Yes	1	Postoperative
	Placebo	.				
	Lumiracoxib	400mg	COX2			
Gimbel 2001	Celecoxib	200mg		Yes	1	Postoperative
	Placebo	.				
	Hydrocodone/acetaminophen	10mg/1000mg				
Hassan 2016	Celecoxib	200mg		Yes	1	Preoperative
	Tramadol	100mg				
	Placebo	.				
Isola 2019	Celecoxib	200mg		No	5	Postoperative
	Ibuprofen	400mg	Nonselective			
	Placebo	.				
Kahlenberg 2017	Celecoxib	400mg		Yes	1	Preoperative
	Placebo	.				
Kato 2017	Celecoxib	400mg		Yes	1	Preoperative
	Placebo	.				
Kellstein 2004	Celecoxib	200 mg		Yes	1	Postoperative
	Lumiracoxib	400 mg	COX2			
	Rofecoxib	50 mg	COX2			
	Placebo	.				
Kheirabadi 2020	Celecoxib	200mg		Yes	1	Preoperative
	Placebo	.				

Study ID	Interventions	Dose	NSAID classification	Single dose Celecoxib?	Intervention duration (days)	Surgical intervention indication
Langford 2022	Celecoxib	100mg		No	5	Postoperative
	Tramadol	100mg				
	Placebo	.				
Latif 2021	Celecoxib	200mg		Yes	1	Postoperative
	Tramadol	100mg				
Li 2023	Celecoxib	200mg		No	3	Postoperative
	Oxycodone-acetaminophen	5 mg/325 mg				
Lim 2008	Celecoxib	200mg		No	1	Postoperative
	Diclofenac	100mg	Nonselective			
Malmstrom 1999	Celecoxib	200mg		Yes	1	Postoperative
	Ibuprofen	400mg	Nonselective			
	Rofecoxib	50mg	COX2			
	Placebo	.				
Malmstrom 2002	Celecoxib	400mg/200mg		Yes	1	Postoperative
	Placebo	.				
	Rofecoxib	50mg	COX2			
	Ibuprofen	400mg	Nonselective			
Manvelian 2012	Celecoxib	400 mg		Yes	1	Postoperative
	nano formulated diclofenac 18 mg	18mg	Nonselective			
	nano formulated diclofenac 35 mg	35mg	Nonselective			
	Placebo	.				
Manvelian 2014	Celecoxib	400mg		Yes	1	Postoperative
	Indomethacin Submicron 20mg	20mg	Nonselective			
	Indomethacin Submicron 40mg	40mg	Nonselective			
	Placebo	.				
Mehta 2013	Celecoxib	200mg		.	7	Mixed
	Placebo	.				
Moberly 2007	Celecoxib	400mg		Yes	1	Postoperative
	CS-706 10 mg	10	COX2			
	CS-706 100 mg	100	COX2			
	CS-706 200 mg	200	COX2			
	CS-706 50 mg	50	COX2			
	Placebo	.				
Munjai 2017	Celecoxib	240mg		Yes	1	NA
	Placebo	.				
Nadarajah 2006	Celecoxib	200mg		No	7	NA
	Diclofenac SR	75mg	Nonselective			
Ng 2017	Celecoxib	200mg		No	7	Postoperative
	Placebo	.				
Onda 2016	Celecoxib	400mg		No	2	Postoperative

Study ID	Interventions	Dose	NSAID classification	Single dose Celecoxib?	Intervention duration (days)	Surgical intervention indication
	Loxoprofen	60mg	Nonselective			
Parsa 2005	Celecoxib	400mg		Yes	1	Preoperative
	Placebo	.				
Pelliccia 2006	Celecoxib	200mg		No	7	Preoperative
	Placebo	.				
Petrella 2004	Celecoxib	200mg		No	7	NA
	Naproxen	500mg	Nonselective			
Pilatti 2006	Celecoxib	200mg		No	1	Mixed
	Dexamethasone	4mg	COX2			
	Placebo	.				
Salo 2003	Celecoxib	400mg		Yes	1	NA
	Celecoxib	200mg				
	Ibuprofen	600mg	Nonselective			
Schaffler 2017	Celecoxib	200mg		Yes	1	NA
	Placebo	.				
Sekiguchi 2015	Celecoxib	200mg		No	7	Postoperative
	Loxoprofen	180mg	Nonselective			
Singla 2022	Celecoxib	250mg		Yes	1	Postoperative
	Placebo	.				
Steffens 2011	Celecoxib	200mg		No	1	Mixed
	Etoricoxib	120mg	COX2			
	Placebo	.				
Suhrabi 2013	Ibuprofen	400 mg	Nonselective	Yes	.	Postoperative
	Celecoxib	100 mg				
Tang 2017	Celecoxib	200mg		No	7	Mixed
	Parecoxib	40mg	Nonselective			
	Buprenorphine	5mg				
Tintara 2018	Celecoxib	400mg		Yes	1	NA
	Placebo	.				
Trudeau 2015	Celecoxib	100mg		No	7	NA
	Placebo	.	Non selective			
Viscusi 2024a	Celecoxib	100mg		No	2	Postoperative
	Tramadol	50mg				
	Placebo	.				
Watcha 2003	Celecoxib	200mg		No	2	Mixed
	Rofecoxib	50mg	COX2			
	Placebo	.				
Weckx 2002	Celecoxib twice daily	200 mg		No	5	NA
	Celecoxib once daily	200mg				
	Diclofenac	75mg	Nonselective			

Study ID	Interventions	Dose	NSAID classification	Single dose Celecoxib?	Intervention duration (days)	Surgical intervention indication
White 2007	Celecoxib	400mg		No	4	Postoperative
	Placebo	.				
White 2011	Celecoxib	400mg		No	4	Postoperative
	Ibuprofen	400mg	Nonselective			
	Placebo	NA				
Wittenberg 2006	Celecoxib	200mg		No	7	NA
	Lumiracoxib	400mg	COX2			
	Placebo	.				
Xu 2018	Celecoxib	200mg		No	5	Mixed
	Flurbiprofen axetil intravenous injection	50mg	Nonselective			
	Buprenorphine transdermal delivery system	10mg				
Zamiri 2009	Celecoxib	200mg		No	1	Preoperative
	Ibuprofen	600mg	Nonselective			
	Tramadol	100mg				
Zhang 2023	Celecoxib	200mg		No	7	Postoperative
	Imrecoxib	200mg	COX2			
Zhou 2023	Celecoxib	200mg		No	1	Preoperative
	Placebo	.				

Appendix 7. Cochrane risk of bias 2 randomised trials

Study ID	Weight	D1	D2	D3	D4	D5	Overall	
Alanoglu 2005	1	+	+	+	+	!	!	+
Argoff 2016	1	+	+	+	+	+	+	!
Cheung 2007	1	+	+	+	+	!	!	+
Fricke 2008	1	+	+	+	+	!	!	+
Gimbel 2001	1	!	+	+	!	!	!	D1
Hassan 2016	1	+	+	+	+	+	+	D2
Isola 2019	1	+	+	+	+	+	+	D3
Kahlenberg 2017	1	+	+	+	+	!	!	D4
Kato 2017	1	+	+	+	+	+	+	D5
Kellstein 2004	1	+	+	+	+	!	!	
Kheirabadi 2020	1	+	+	+	+	+	+	
Langford 2022	1	+	+	+	+	+	+	
Latiff 2021	1	+	+	+	+	+	+	
Li 2023	1	+	+	+	+	!	!	
Lim 2008	1	+	+	+	+	!	!	
Malmstrom 1999	1	+	+	+	+	!	!	
Malmstrom 2002	1	+	+	+	+	!	!	
Manvelian 2012	1	!	+	+	+	+	!	
Manvelian 2014	1	+	+	+	+	+	+	
Mehta 2013	1	+	+	+	+	+	+	
Moberly 2007	1	+	+	+	+	!	!	
Nadaraj 2006	1	+	+	+	+	!	!	
Ng 2017	1	+	+	+	+	+	+	
Onda 2016	1	+	+	-	+	-	-	
Parsa 2005	1	+	!	+	!	!	!	
Pelliccia 2006	1	+	+	+	-	-	-	
Petrella 2004	1	+	+	+	+	!	!	
Salo 2003	1	+	+	+	+	!	!	
Sekiguchi 2015	1	+	+	+	+	!	!	
Singla 2022	1	+	+	+	+	!	!	
Steffens 2011	1	+	+	+	+	-	-	
Suhrabi 2013	1	+	+	+	+	+	+	
Tang 2017	1	+	+	+	-	!	-	
Tintara 2018	1	+	+	+	+	+	+	
Viscusi 2024a	1	+	+	+	+	+	+	
Watcha 2003	1	+	+	+	+	-	-	
Weckx 2002	1	!	+	+	+	!	!	
White 2007	1	+	+	+	+	!	!	
White 2011	1	+	+	+	+	!	!	
Wittenberg 2006	1	+	+	+	+	!	!	
Xu 2018	1	+	+	+	+	+	+	
Zamiri 2009	1	!	+	+	+	!	!	
Zhang 2023	1	+	+	+	+	!	!	
Zhou 2023	1	+	+	+	+	+	+	

+

Low risk

!

Some concerns

-

High risk

D1

Randomisation process

D2

Deviations from the intended interventions

D3

Missing outcome data

D4

Measurement of the outcome

D5

Selection of the reported result

Appendix 7. Cochrane risk of bias 2 crossover trials

Study ID	Weight	D1	D5	D2	D3	D4	D5	Overall	
Bianchi 2004	1	+	-	+	+	+	!	-	+ Low risk ! Some concerns - High risk
Ekenel 2003	1	!	+	+	+	+	!	!	
Munjal 2017	1	!	!	+	+	+	+	!	
Pilatti 2006	1	!	+	+	+	+	!	!	
Schaffler 2017	1	+	+	+	+	+	+	+	
Trudeau 2014	1	+	+	+	+	+	!	!	
									D1 Randomisation process
									D5 Bias arising from period and carrvoer effects
									D2 Deviations from the intended interventions
									D3 Missing outcome data
									D4 Measurement of the outcome
									D5 Selection of the reported result

Appendix 8. GRADE summary of findings

Certainty assessment							Summary of findings				
Participants (studies) Follow-up	Risk of bias	Inconsistency	Indirectness	Imprecision	Publication bias	Overall certainty of evidence	Study event rates (%)		Relative effect (95% CI)	Anticipated absolute effects	
							With placebo, NSAIDs or opioids	With Celecoxib		Risk with placebo, NSAIDs or opioids	Risk difference with Celecoxib

Celecoxib vs Placebo on severe adverse events (follow-up: range 1 days to 7 days; assessed with: Self-reported adverse events)

680 (3 RCTs)	serious ^a	not serious	not serious	serious ^a	publication bias strongly suspected ^b	⊕○○○ Very low ^{a,b}	4/242 (1.7%)	2/438 (0.5%)	RR 0.44 (0.07 to 2.61)	4/242 (1.7%)	9 fewer per 1,000 (from 15 fewer to 27 more)
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Celecoxib vs placebo on cardiovascular adverse events (follow-up: range 1 days to 7 days; assessed with: Self-reported adverse events)

292 (3 RCTs)	serious ^c	not serious	not serious	serious ^a	publication bias strongly suspected ^b	⊕○○○ Very low ^{a,b,c}	5/146 (3.4%)	4/146 (2.7%)	RR 0.84 (0.24 to 2.92)	5/146 (3.4%)	5 fewer per 1,000 (from 26 fewer to 66 more)
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Celecoxib vs NSAIDs on respiratory adverse events (follow-up: range 1 days to 7 days; assessed with: Self-reported adverse events)

1049 (4 RCTs)	serious ^c	not serious	not serious	serious ^a	publication bias strongly suspected ^b	⊕○○○ Very low ^{a,b,c}	3/513 (0.6%)	5/536 (0.9%)	RR 1.23 (0.29 to 5.26)	3/513 (0.6%)	1 more per 1,000 (from 4 fewer to 25 more)
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Celecoxib vs placebo on gastrointestinal adverse events (follow-up: range 1 day to 7 days; assessed with: Self-reported adverse events)

3714 (23 RCTs)	serious ^c	not serious	not serious	serious ^a	publication bias strongly suspected ^b	⊕○○○ Very low ^{a,b,c}	95/1522 (6.2%)	129/2192 (5.9%)	RR 0.96 (0.64 to 1.43)	95/1522 (6.2%)	2 fewer per 1,000 (from 22 fewer to 27 more)
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Celecoxib vs NSAIDs on gastrointestinal adverse events (follow-up: range 1 day to 7 days; assessed with: Self-reported adverse events)

Certainty assessment							Summary of findings				
Participants (studies) Follow-up	Risk of bias	Inconsistency	Indirectness	Imprecision	Publication bias	Overall certainty of evidence	Study event rates (%)		Relative effect (95% CI)	Anticipated absolute effects	
							With placebo, NSAIDs or opioids	With Celecoxib		Risk with placebo, NSAIDs or opioids	Risk difference with Celecoxib
4266 (21 RCTs)	serious ^c	not serious	not serious	serious ^d	none	⊕⊕○○ Low ^{c,d}	124/2286 (5.4%)	90/1980 (4.5%)	RR 0.89 (0.68 to 1.17)	124/2286 (5.4%)	6 fewer per 1,000 (from 17 fewer to 9 more)

Celecoxib vs opioids on gastrointestinal adverse events (follow-up: range 1 day to 7 days; assessed with: Self-reported adverse events)

1375 (8 RCTs)	not serious	serious ^e	not serious	serious ^a	publication bias strongly suspected ^b	⊕○○○ Very low ^{a,b,e}	96/689 (13.9%)	26/686 (3.8%)	RR 0.34 (0.14 to 0.86)	96/689 (13.9%)	92 fewer per 1,000 (from 120 fewer to 20 fewer)
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CI: confidence interval; **RR:** risk ratio

Explanations

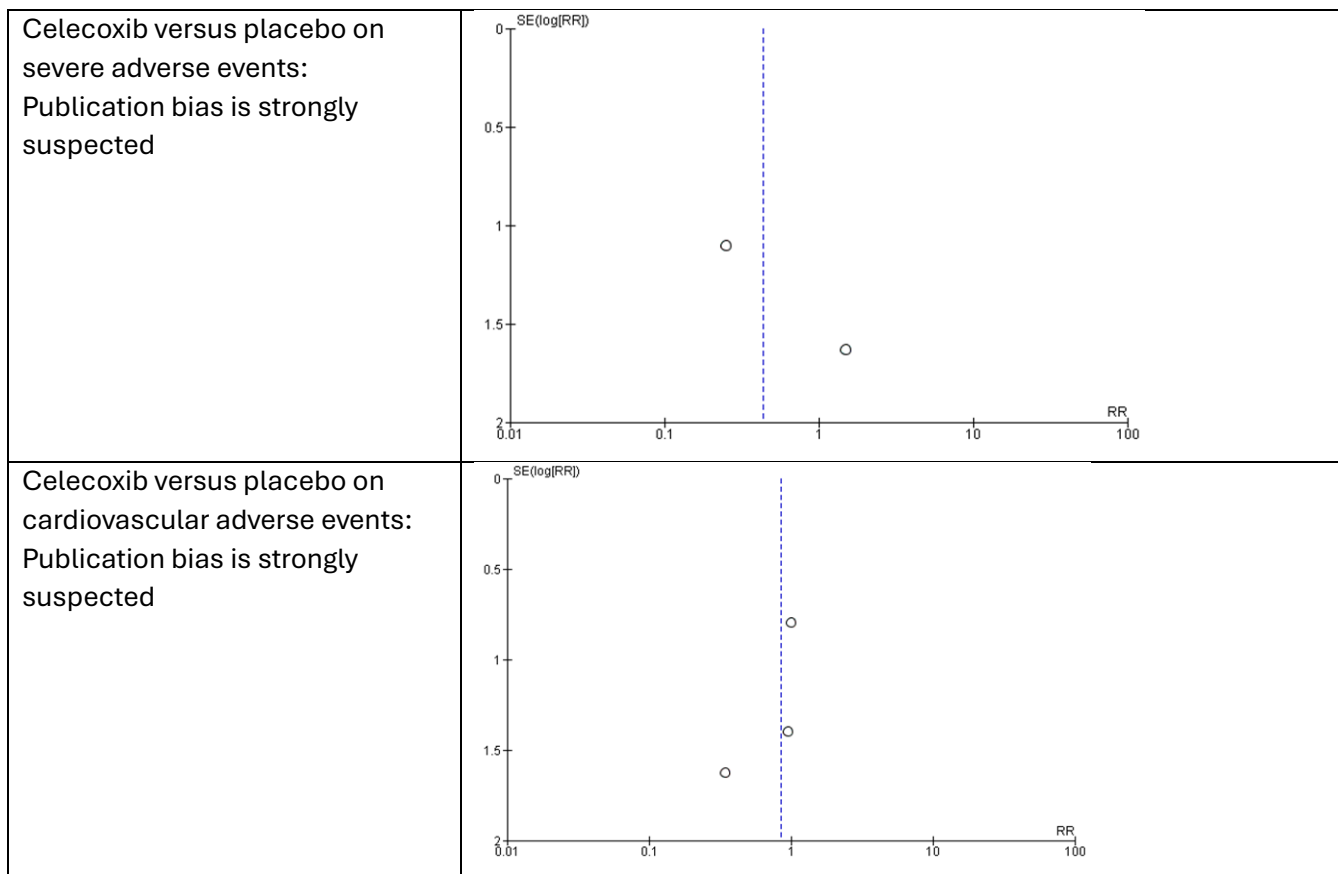
- a. Fewer than 2000 patients were included
- b. Funnel plot shows an asymmetrical form
- c. More than 25% of the participants from studies with a high risk of bias
- d. 95% CI includes no effect
- e. Test of heterogeneity was significant (P=0.005) and I2 substantial (P=0.005)

Appendix 8. Continued: Inconsistency of results. Summary of similarity of point estimates, the extent of overlap of confidence intervals, test of heterogeneity (Cochran Q test), and I2 test

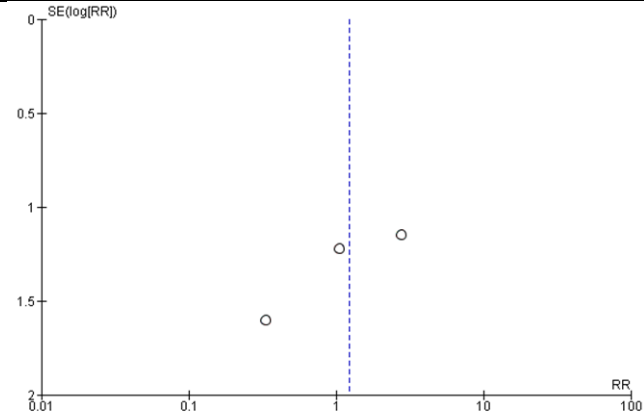
Outcome	Differences in point estimates	Confidence intervals overlapping? (Poor overlap indicates heterogeneity)	Test of heterogeneity (Cochran Q test) (lower values <0.05 or <0.1 indicate heterogeneity depending on the number of studies)	I2 (40% to 60%: moderate 60% to 75% substantial 75% to 100% considerable)	GRADE rating
Celecoxib versus placebo on severe adverse events	Point estimates on both sides (potential heterogeneity)	Yes (unlikely heterogeneity)	P=0.36 (not significant)	0% (low)	0
Celecoxib versus placebo on cardiovascular adverse events	Point estimates on both sides (potential heterogeneity)	Yes (unlikely heterogeneity)	P=0.84 (not significant)	0% (low)	0
Celecoxib versus placebo on respiratory adverse events	Point estimates on both sides (potential heterogeneity)	Yes (unlikely heterogeneity)	P=0.55 (not significant)	0% (low)	0
Celecoxib versus placebo on gastrointestinal adverse events	wide variations on both sides (potential heterogeneity)	Yes (unlikely heterogeneity)	P=0.08 (not significant)	33% (not significant)	0
Celecoxib versus NSAIDs on gastrointestinal adverse events	wide variations on both sides (potential heterogeneity)	Yes (unlikely heterogeneity)	P=0.56 (not significant)	0% (low)	0
Celecoxib versus opioids on gastrointestinal adverse events	Point estimates on one side (unlikely heterogeneity)	Yes (unlikely heterogeneity)	P=0.005 (significant)	68% (substantial)	-1

Appendix 8. Continued: Publication bias

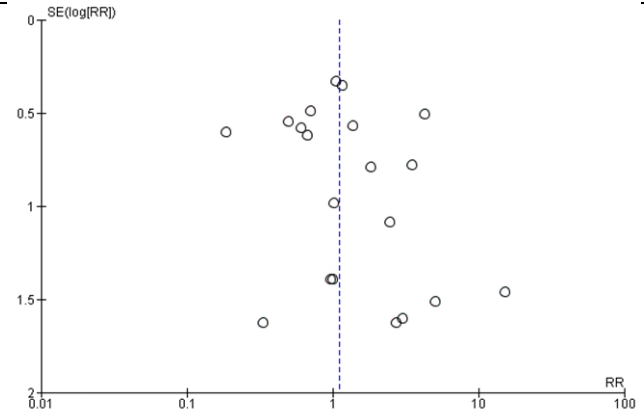
Publication bias is strongly suspected if the funnel plot shows an asymmetrical form with a gap at the bottom corner of the graph



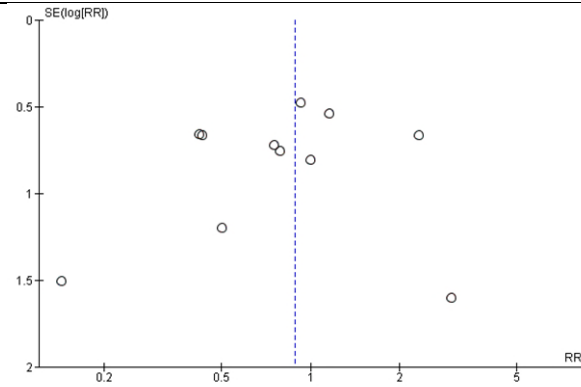
Celecoxib versus placebo on
respiratory adverse events:
Publication bias is strongly
suspected



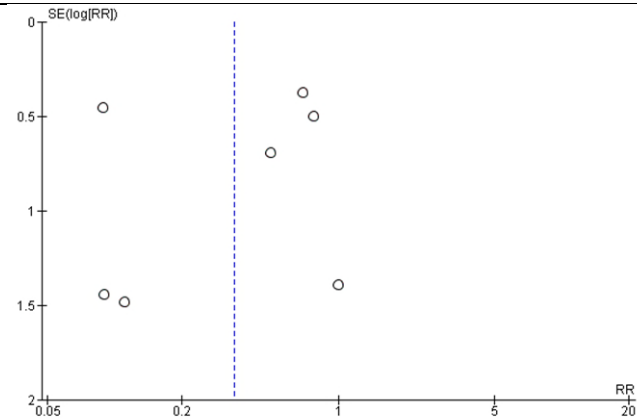
Celecoxib versus placebo on
gastrointestinal adverse events:
Publication bias is strongly
suspected



Celecoxib versus NSAIDs on
gastrointestinal adverse events:
None

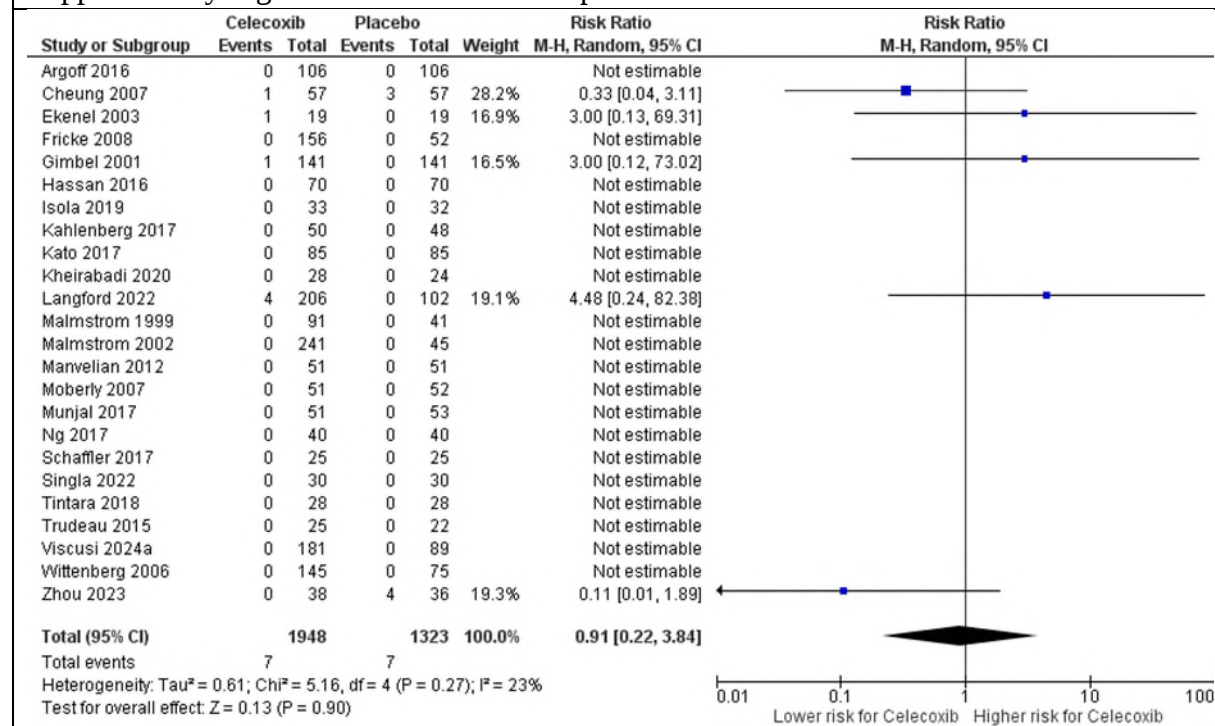


Celecoxib versus opioids on
gastrointestinal adverse events:
Publication bias is strongly
suspected

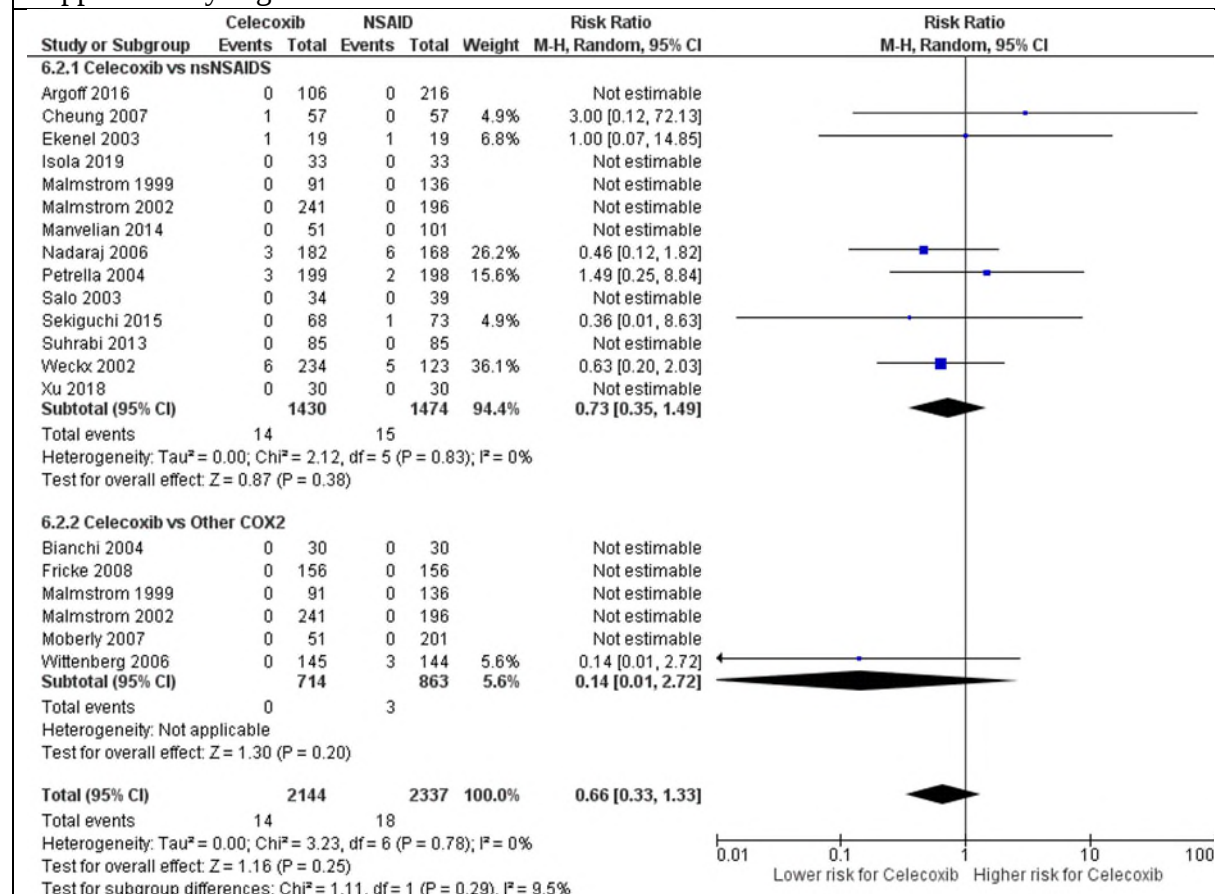


Appendix 9. Forest plot of celecoxib on secondary outcomes

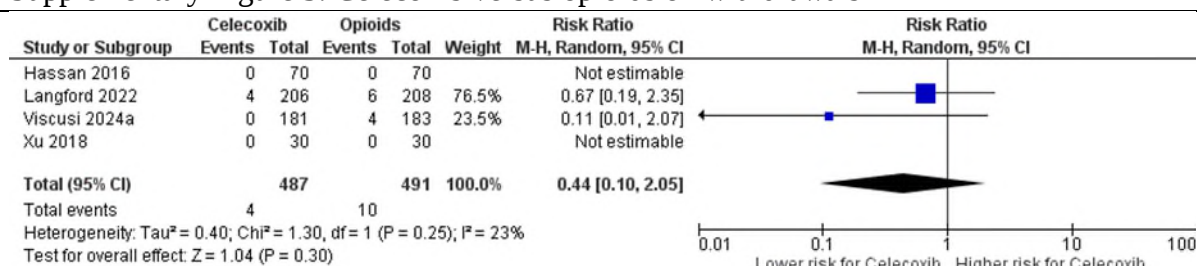
Supplementary Figure 1. Celecoxib versus placebo on withdrawals



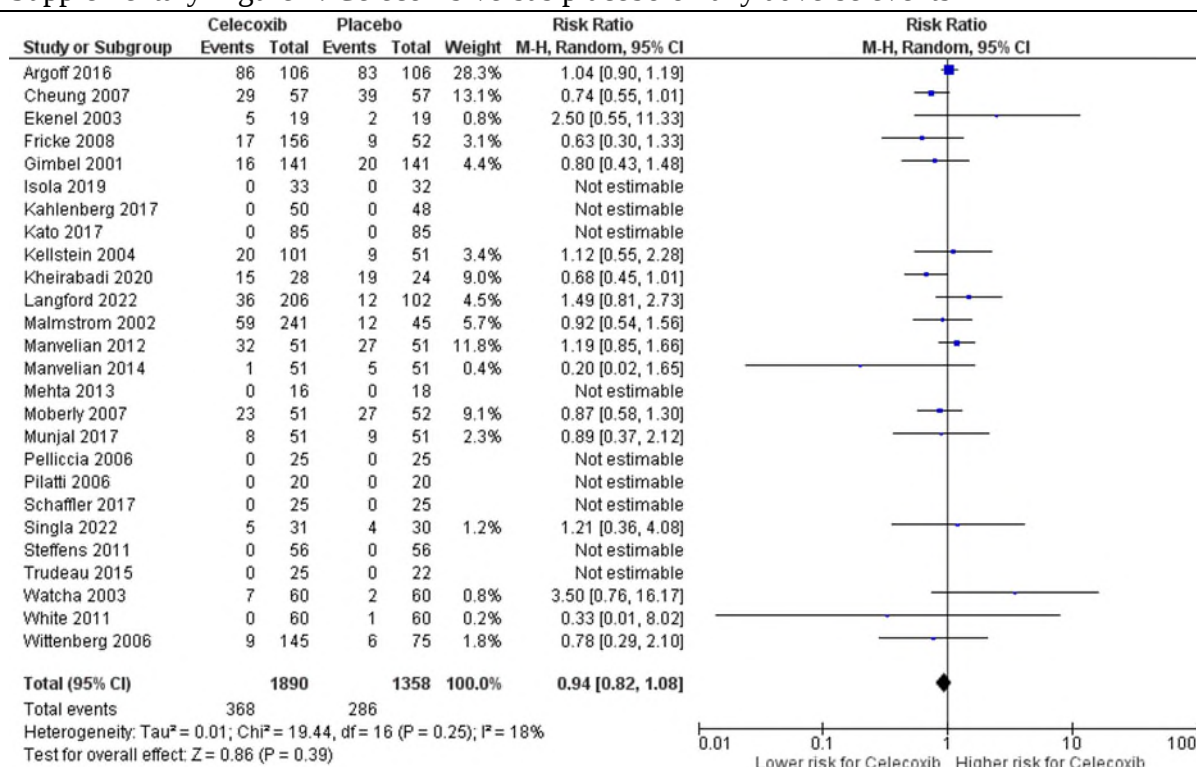
Supplementary Figure 2. Celecoxib versus NSAIDs on withdrawals



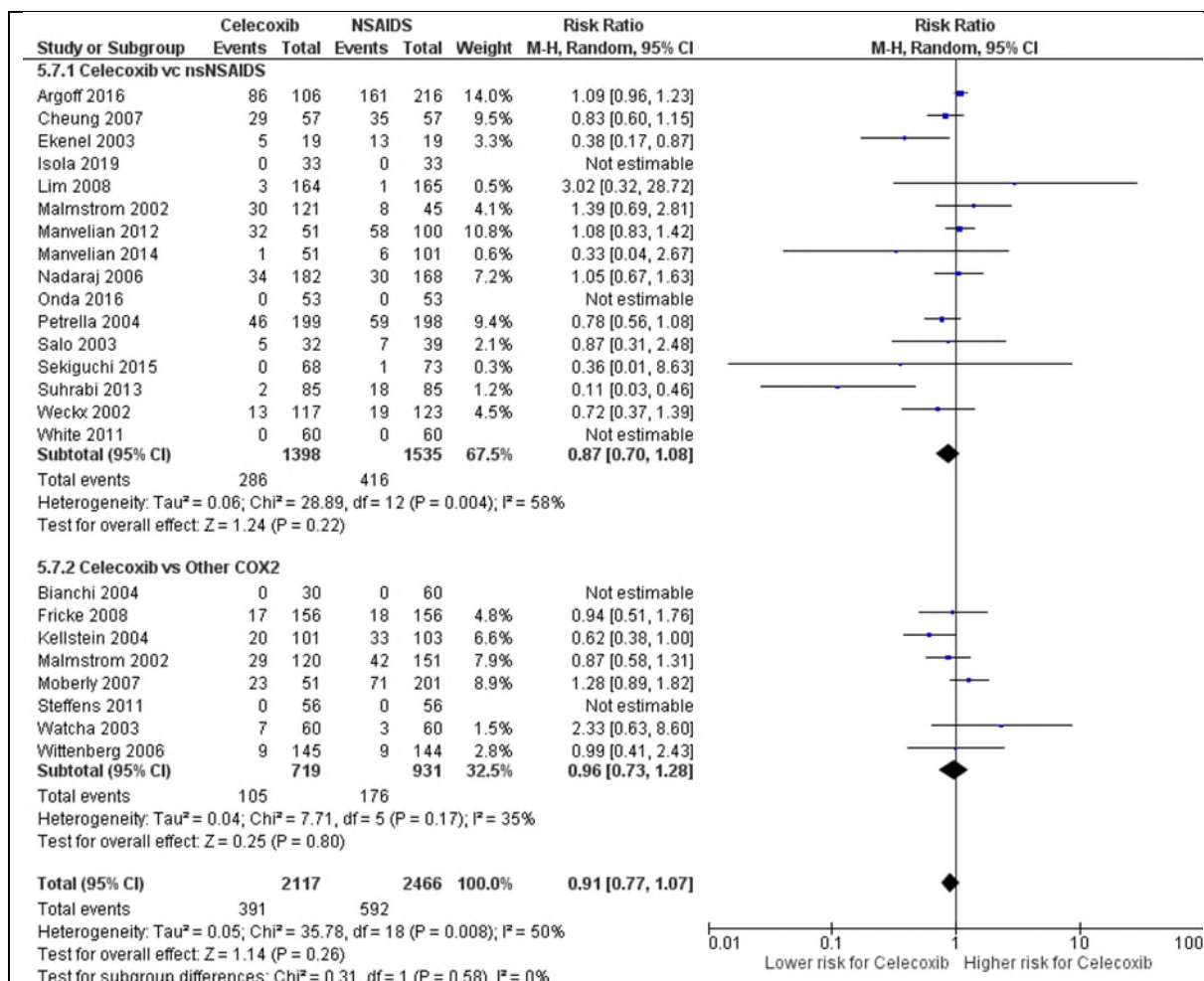
Supplementary Figure 3. Celecoxib versus opioids on withdrawals



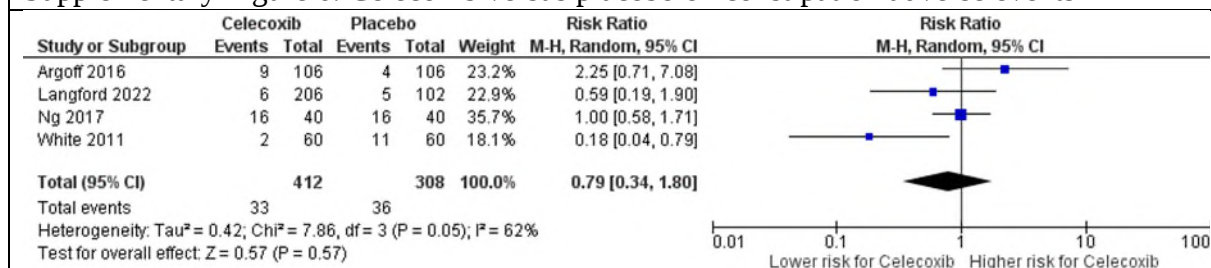
Supplementary Figure 4. Celecoxib versus placebo on any adverse events



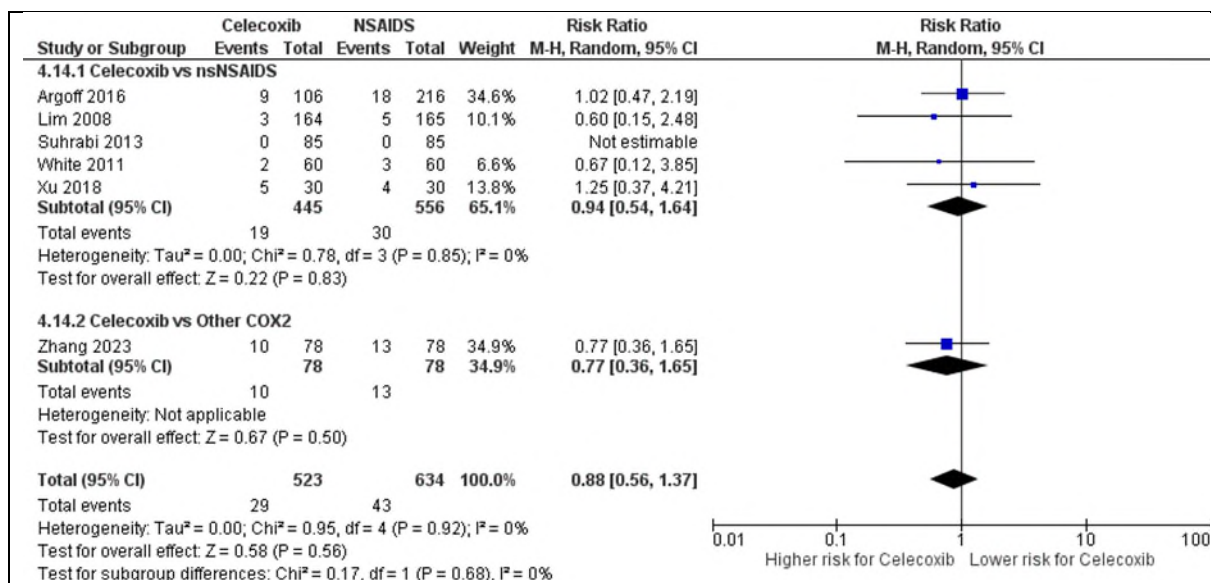
Supplementary Figure 5. Celecoxib versus NSAIDs on any adverse events



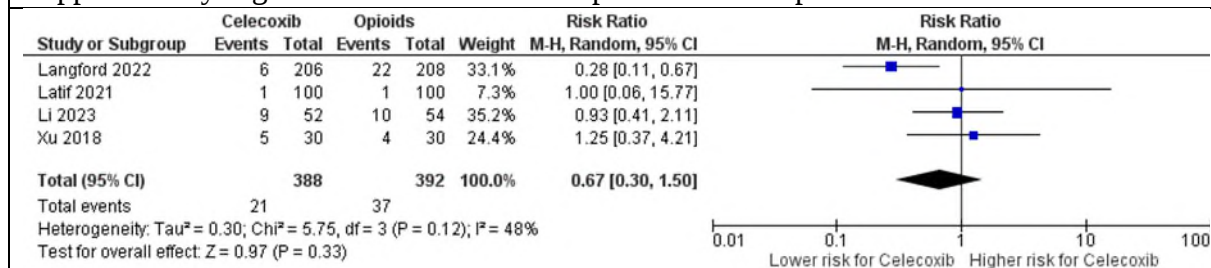
Supplementary Figure 6. Celecoxib versus placebo on constipation adverse events



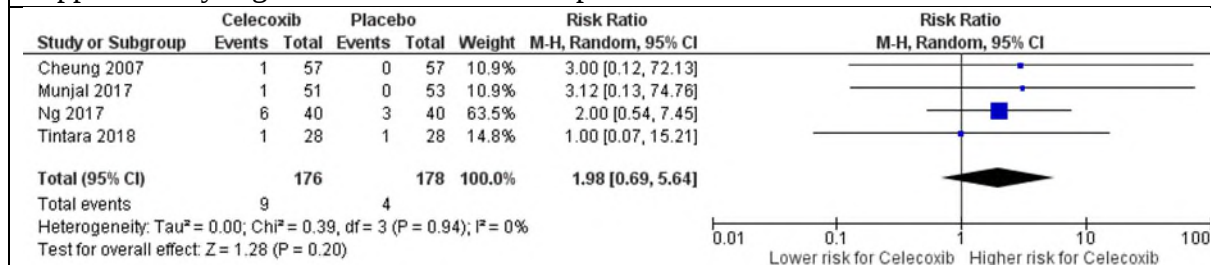
Supplementary Figure 7. Celecoxib versus NSAIDS on constipation adverse events



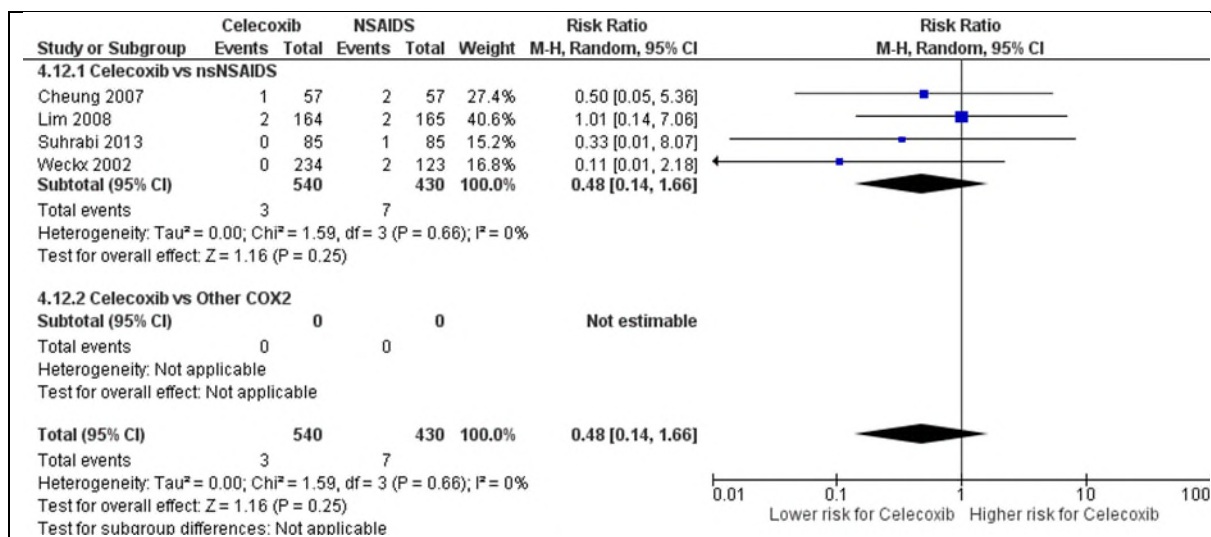
Supplementary Figure 8. Celecoxib versus opioids on constipation adverse events



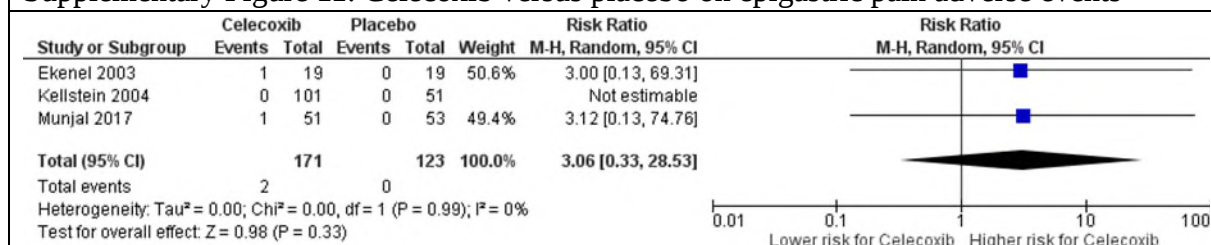
Supplementary Figure 9. Celecoxib versus placebo on diarrhea adverse events



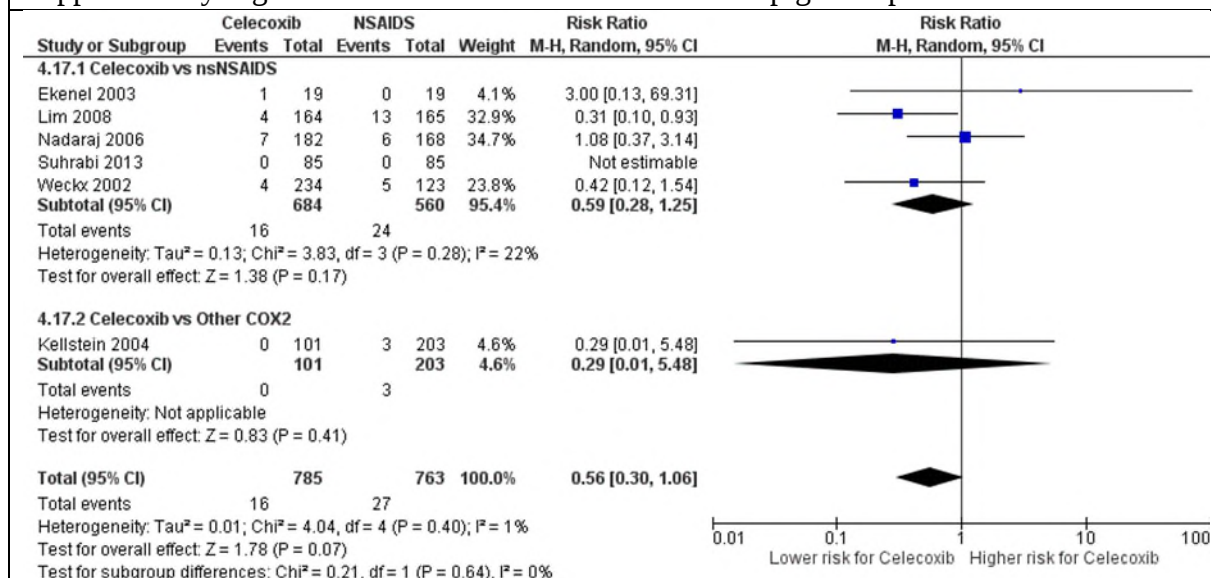
Supplementary Figure 10. Celecoxib versus NSAIDS on diarrhea adverse events



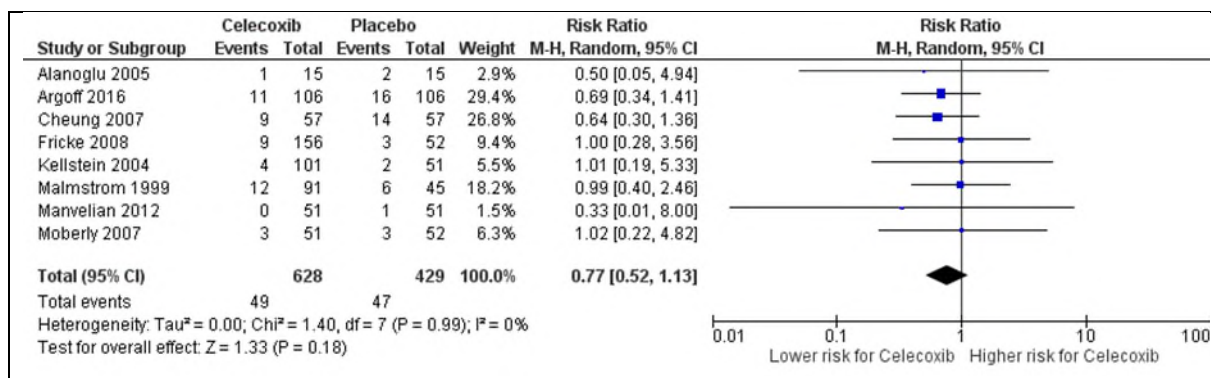
Supplementary Figure 11. Celecoxib versus placebo on epigastric pain adverse events



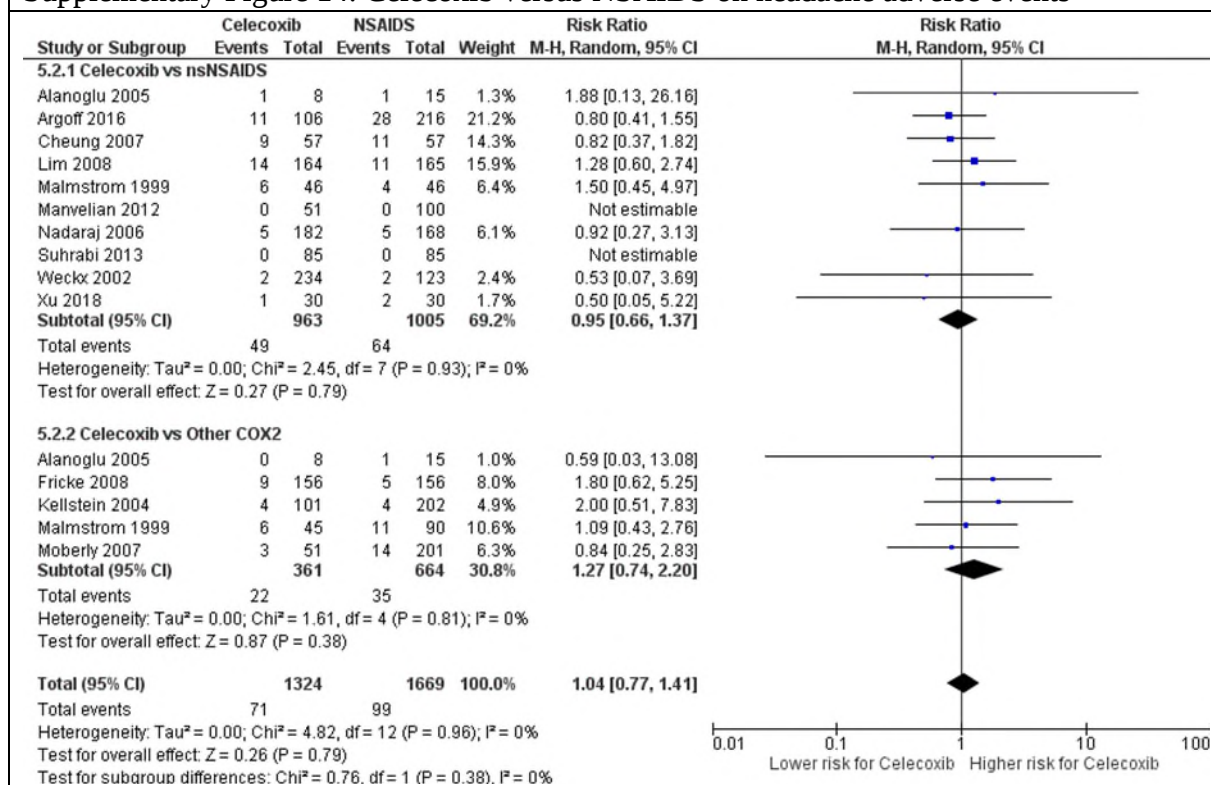
Supplementary Figure 12. Celecoxib versus NSAIDS on epigastric pain adverse events



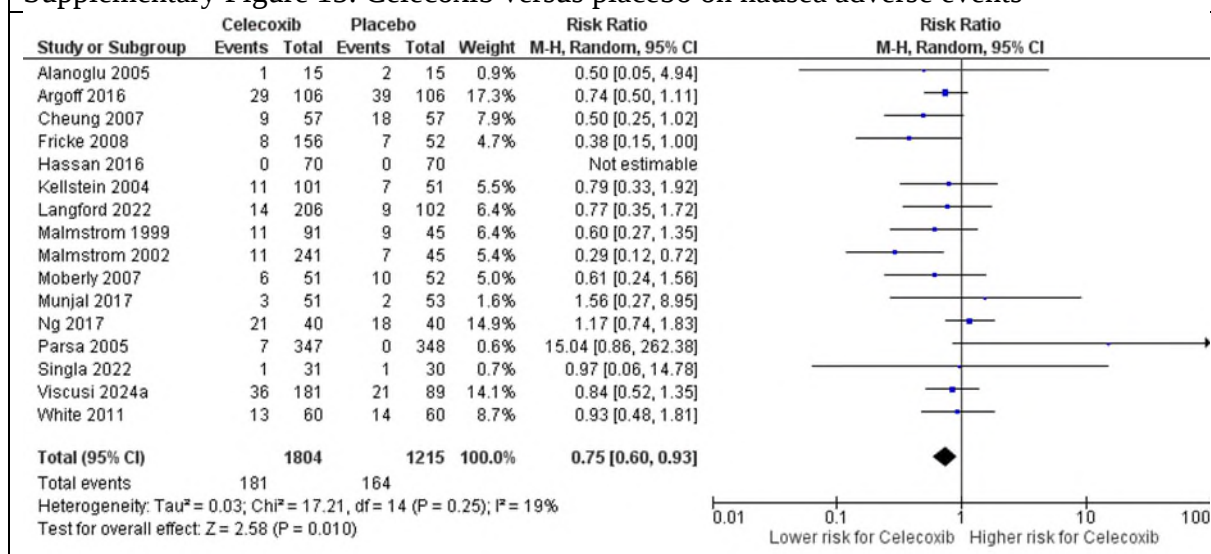
Supplementary Figure 13. Celecoxib versus placebo on headache adverse events



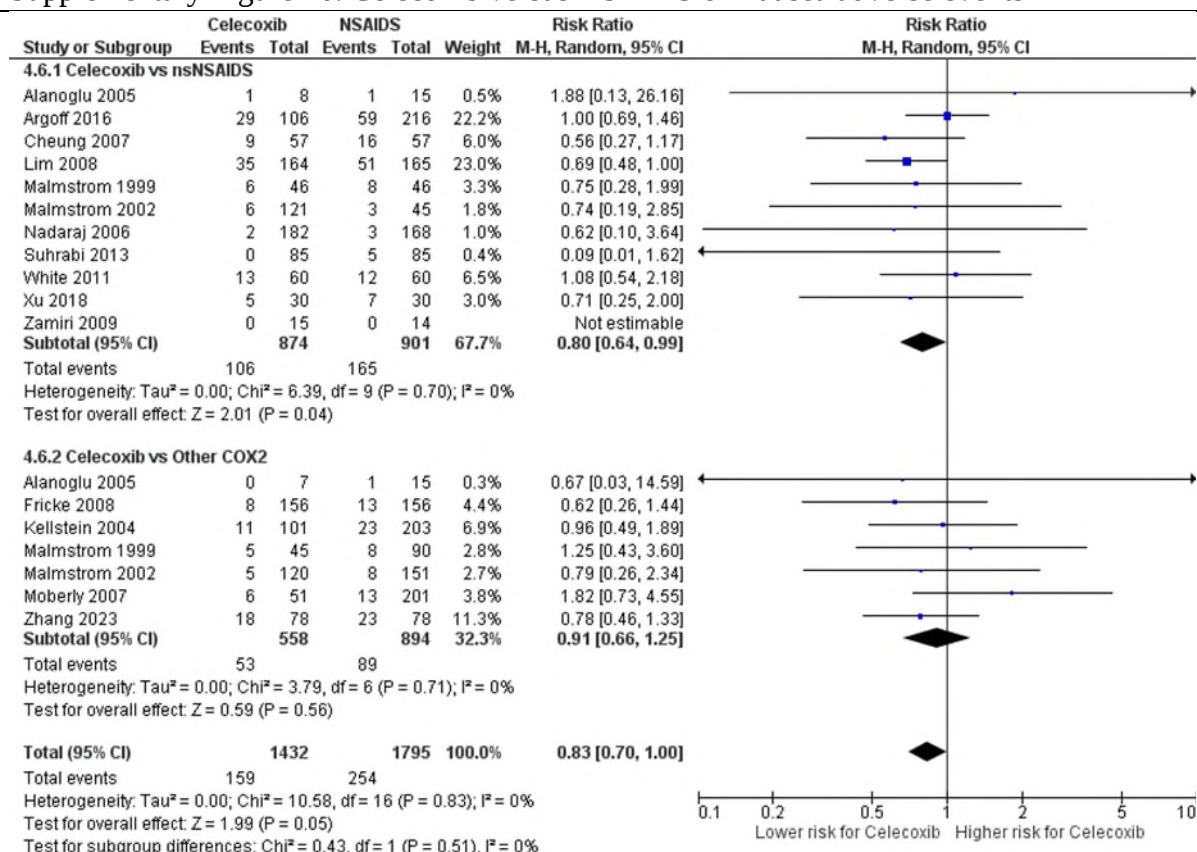
Supplementary Figure 14. Celecoxib versus NSAIDs on headache adverse events



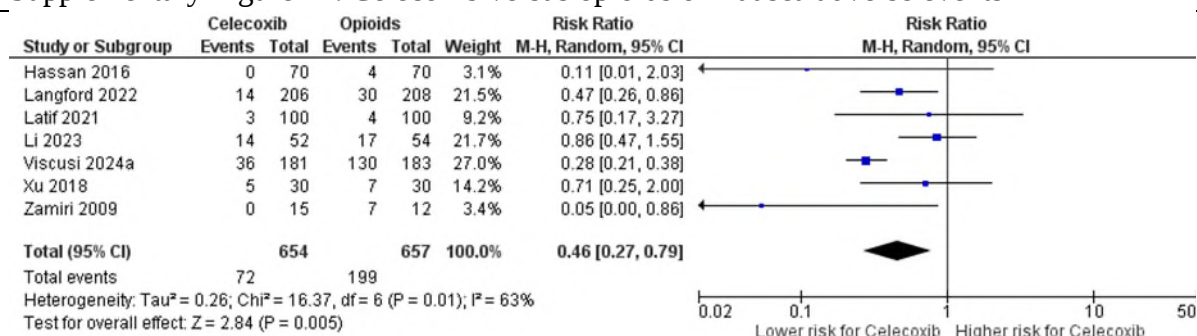
Supplementary Figure 15. Celecoxib versus placebo on nausea adverse events



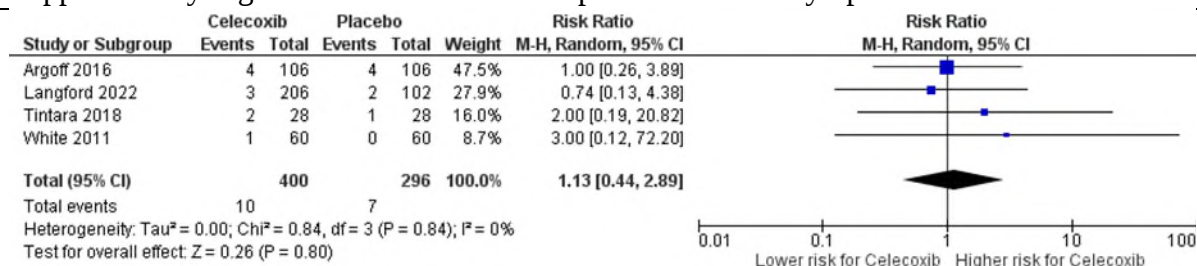
Supplementary Figure 16. Celecoxib versus NSAIDs on nausea adverse events



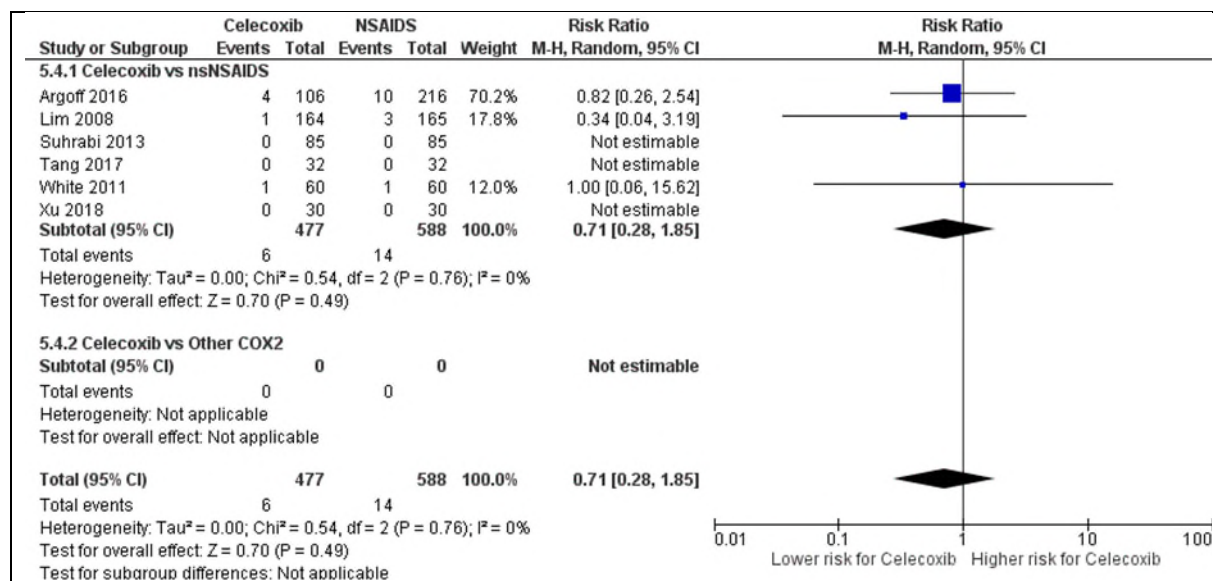
Supplementary Figure 17. Celecoxib versus opioids on nausea adverse events



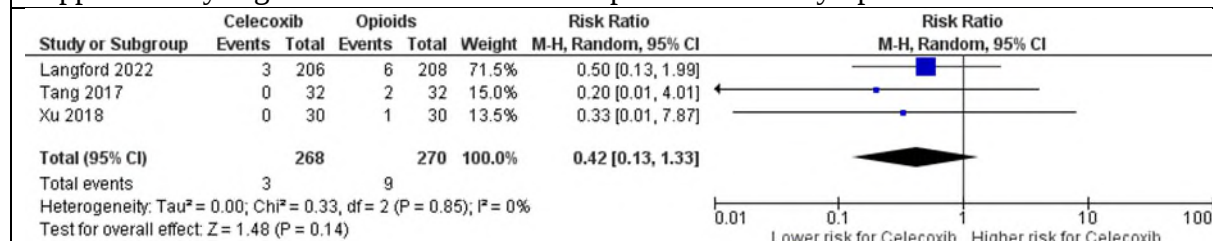
Supplementary Figure 19. Celecoxib versus placebo on Skin symptoms adverse events



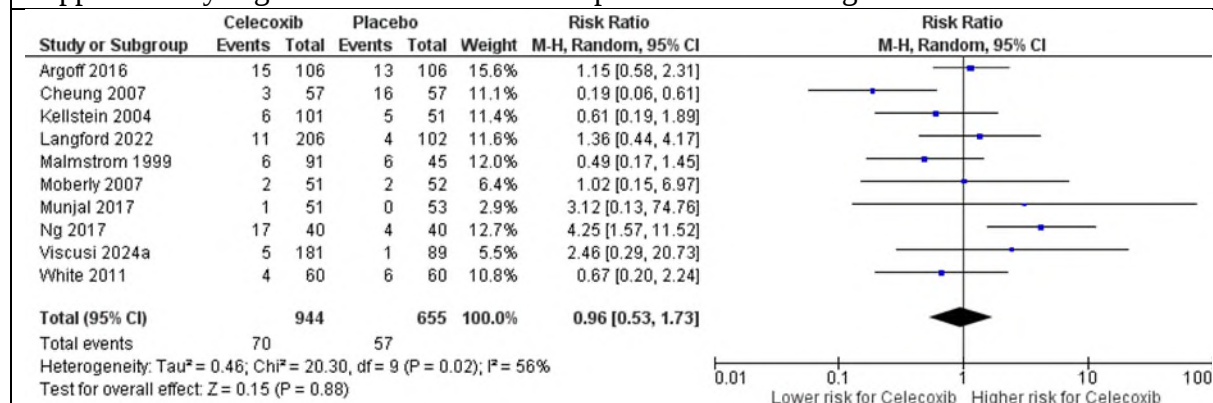
Supplementary Figure 20. Celecoxib versus NSAIDs on Skin symptoms adverse events



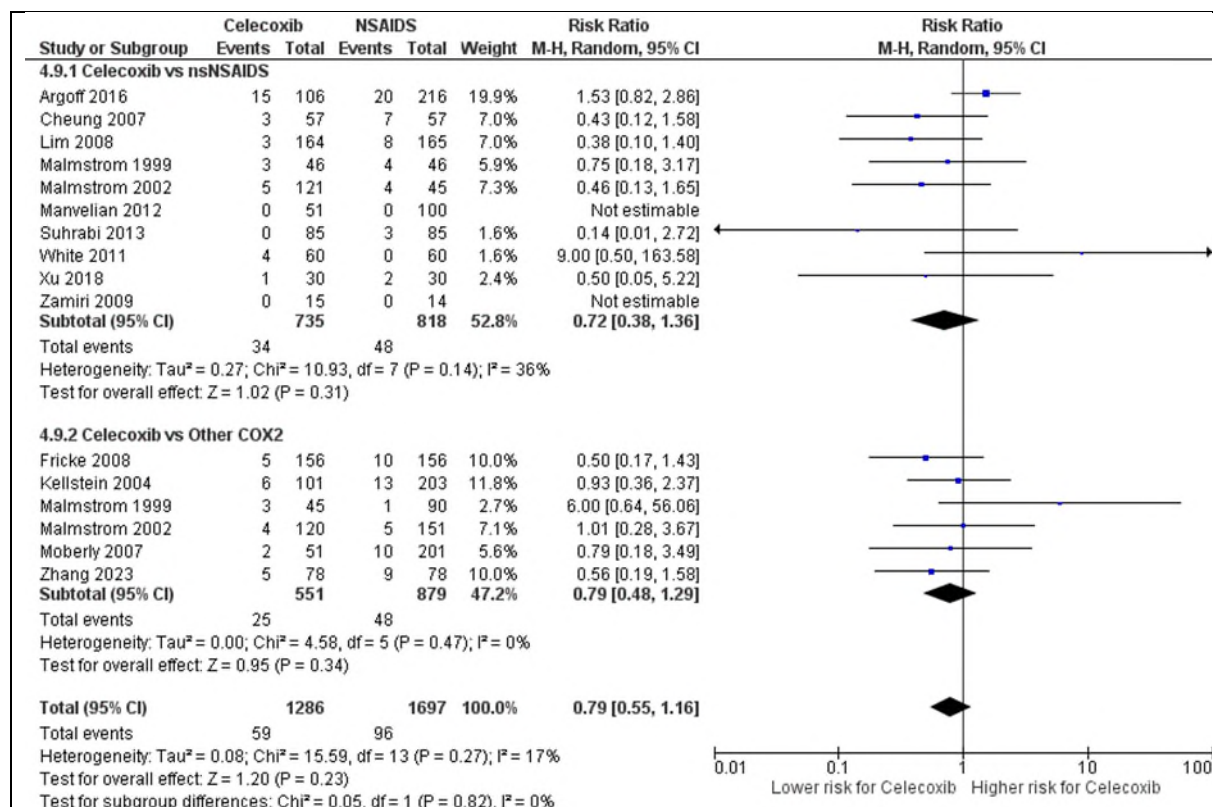
Supplementary Figure 21. Celecoxib versus opioids on Skin symptoms adverse events



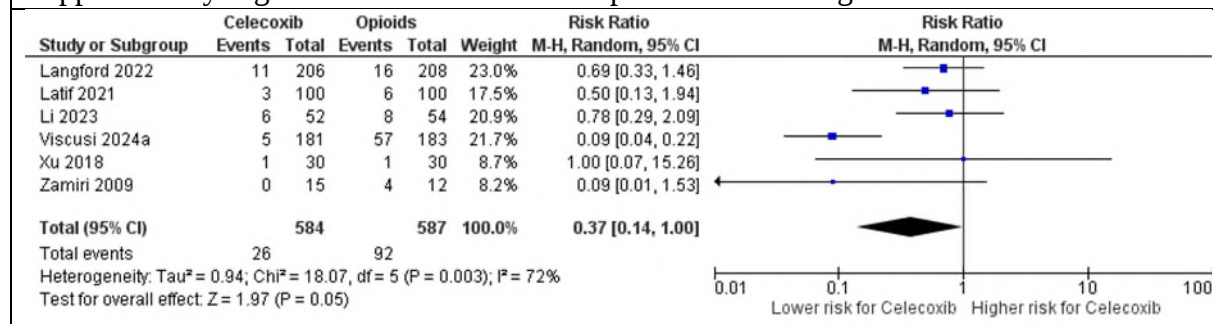
Supplementary Figure 22. Celecoxib versus placebo on vomiting adverse events



Supplementary Figure 23. Celecoxib versus NSAIDS on vomiting adverse events



Supplementary Figure 24. Celecoxib versus opioids on vomiting adverse events



Appendix 10. Comparison of the results between statistical methods: Risk Ratio vs Peto Odds Ratio

Outcome	Current method (Risk ratio)	Peto odds ratio
Celecoxib versus placebo on severe adverse events	RR 0.44 (95%CI 0.10 to 2.03)	OR 0.44 (95%CI 0.08 to 2.27)
Celecoxib versus placebo on cardiovascular adverse events	RR 0.84 (95%CI 0.24 to 2.92)	OR 0.79 (95%CI 0.21 to 2.98)
Celecoxib versus placebo on respiratory adverse events.	RR 1.23 (95%CI 0.29 to 5.26)	OR 1.27 (95%CI 0.31 to 5.23)
Celecoxib versus placebo on gastrointestinal adverse events	RR 0.96 (95%CI 0.64 to 1.43)	OR 1.00 (95%CI 0.75 to 1.34)
Celecoxib versus NSAIDS on gastrointestinal adverse events	RR 0.89 (95% CI 0.68 to 1.17)	OR 0.89 (95%CI 0.67 to 1.18)
Celecoxib vs opioids on gastrointestinal adverse events	RR 0.34 (95% CI 0.14 to 0.86)	OR 0.27 (95%CI 0.19 to 0.40)