

Supplementary Table 1. Search strategy

Database	Query	Result
PubMed	#1 (osteoarthritis, knee [MeSH Heading term]) OR (knee osteoarthritis)	3,888
	#2 (curcuma longa supplementation) OR (curcuma longa supplement) OR (curcumin [MeSH Heading term]) OR (turmeric) OR (curcuminoid)	618
	#3 (placebo) OR (anti-inflammatory agents [MeSH Heading term])	171,677
	#4 (disease activity) OR (clinical improvement) OR (Visual Analog Scale [MeSH Heading term]) OR (Western Ontario and McMaster Universities Arthritis Index)	231,325
	#1 AND #2 AND #3 AND #4	18
EBSCOhost	#1 ("osteoarthritis, knee" OR "knee osteoarthritis")	70,395
	#2 ("curcuma longa supplementation" OR "curcuma longa supplement" OR "curcumin" OR "turmeric" OR "curcuminoid")	25,111
	#3 ("placebo" OR "anti-inflammatory agents")	421,144
	#4 ("disease activity" OR "clinical improvement" OR "Visual Analog Scale" OR "Western Ontario and McMaster Universities Arthritis Index")	163,338
	#1 AND #2 AND #3 AND #4	26
Embase	#1 ('osteoarthritis, knee' OR 'knee osteoarthritis')	50,306
	#2 ('curcuma longa supplementation' OR 'curcuma longa supplement' OR 'curcumin' OR 'turmeric' OR 'curcuminoid')	3,209,488
	#3 ('placebo' OR 'anti-inflammatory agents')	44,240
	#4 ('disease activity' OR 'clinical improvement' OR 'Visual Analog Scale' OR 'Western Ontario and McMaster Universities Arthritis Index')	933,673
	#1 AND #2 AND #3 AND #4	20
Scopus	#1 ("osteoarthritis, knee")	19,329
	#2 ("curcuma longa supplementation" OR "curcuma longa supplement" OR "curcumin" OR "turmeric" OR "curcuminoid")	221,754
	#3 ("placebo" OR "anti-inflammatory agents")	812,172
	#4 ("disease activity" OR "clinical improvement" OR "Visual Analog Scale" OR "Western Ontario and McMaster Universities Arthritis Index")	297,210
	#1 AND #2 AND #3 AND #4 PUBYEAR >2012 AND PUBYEAR <2024 AND (LIMIT-TO [DOCTYPE, "re"] OR LIMIT-TO [DOCTYPE, "ar"]) AND (LIMIT-TO [LANGUAGE, "English"])	60
Cochrane Library	#1 MeSH descriptor: [osteoarthritis, knee] OR (knee osteoarthritis) OR (osteoarthritis, knee)	9,418
	#2 (curcuma longa supplementation) OR (curcuma longa supplement) OR MeSH descriptor: [curcumin] OR (curcumin) OR (curcuminoid) OR (turmeric)	1,042
	#3 MeSH descriptor: [placebos] OR (placebo) OR MeSH descriptor: [anti-inflammatory agents] OR (anti-inflammatory agents)	196,174
	#4 (disease activity) OR (clinical improvement) OR MeSH descriptor: [visual analog scale] OR (Visual Analog Scale) OR (Western Ontario and McMaster Universities Arthritis Index)	54,912
	#1 AND #2 AND #3 AND #4 with Cochrane Library publication date Between January 2013 and September 2023	21
Google Scholar	#1 ("osteoarthritis, knee")	2,550
	#2 ("curcuma longa supplementation" OR "curcuma longa supplement" OR "curcumin" OR "turmeric" OR "curcuminoid")	51,300
	#3 ("placebo" OR "anti-inflammatory agents")	197,000
	#4 ("disease activity" OR "clinical improvement" OR "Visual Analog Scale" OR "Western Ontario and McMaster Universities Arthritis Index")	17,300
	#1 AND #2 AND #3 AND #4	56

Supplementary Table 2. Patient, intervention, comparator, outcomes (PICO)

Patients	Knee osteoarthritis patients
Intervention	Curcuma
Comparator	Placebo or NSAID
Outcomes	Disease activity or clinical improvement or VAS or WOMAC

NSAID: nonsteroidal anti-inflammatory drug, VAS: Visual Analog Scale, WOMAC: Western Ontario and McMaster Universities Arthritis Index.