

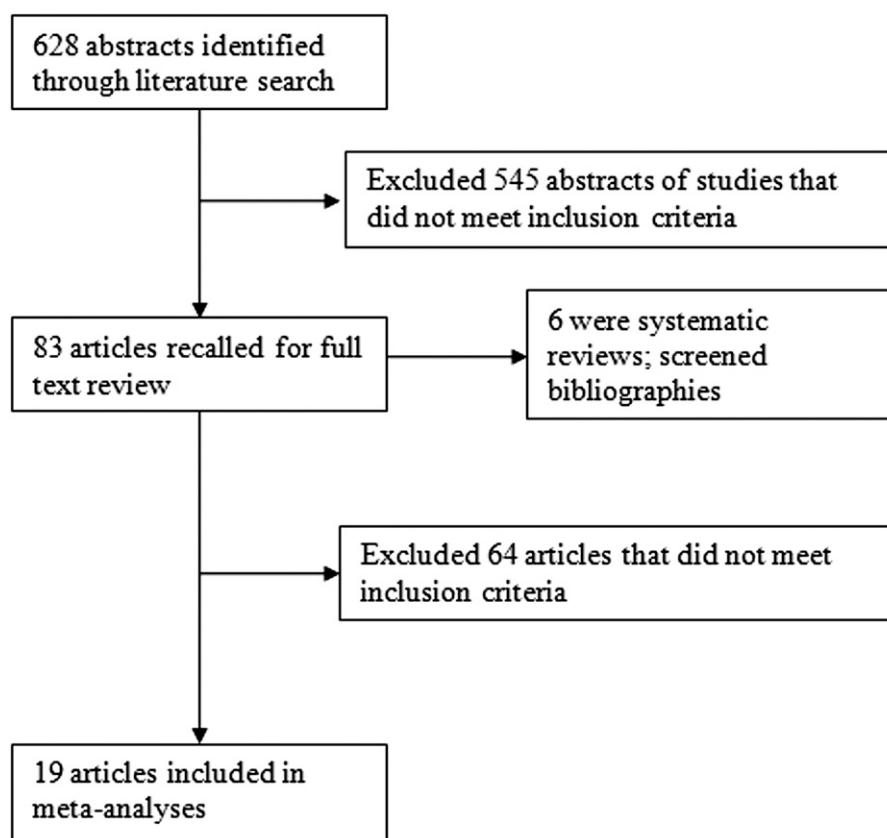


Fig. E-1
 Flowchart for the literature search.

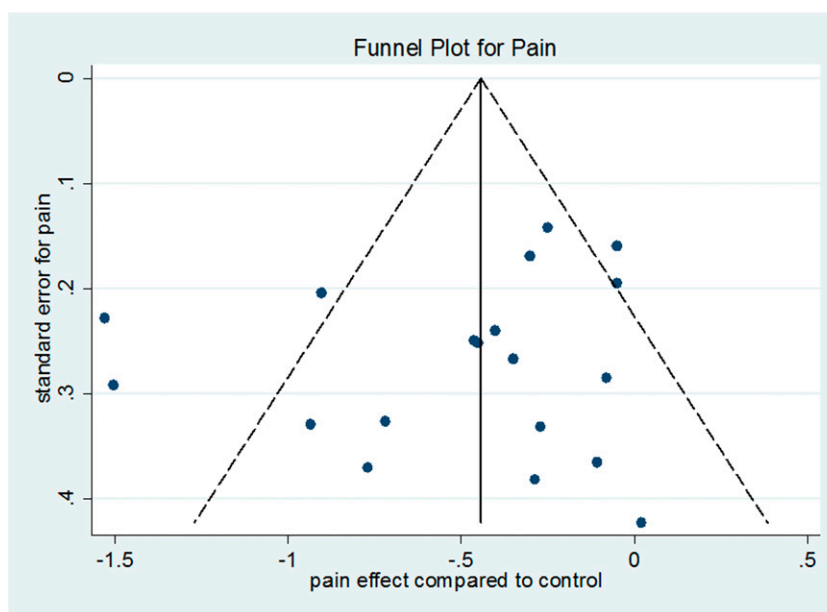


Fig. E-2A
 Funnel plot for pain.

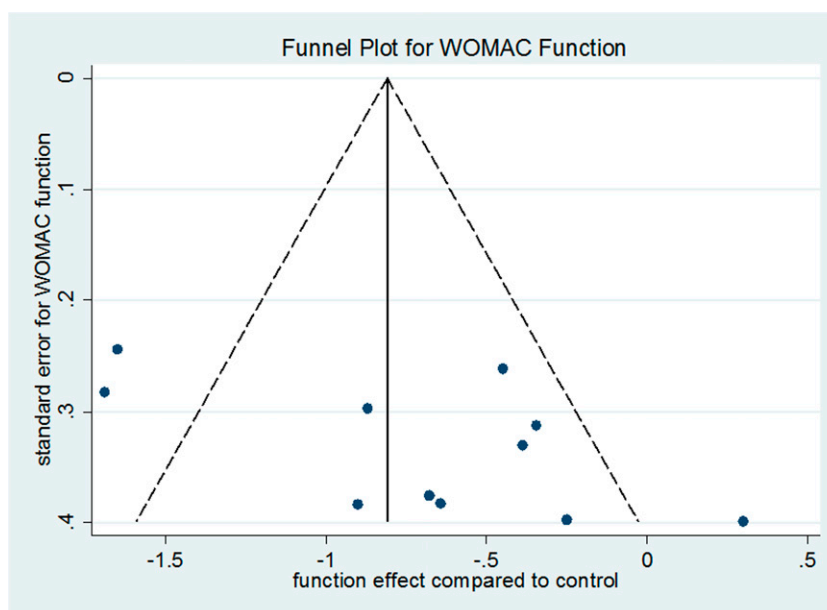


Fig. E-2B
 Funnel plot for WOMAC function.

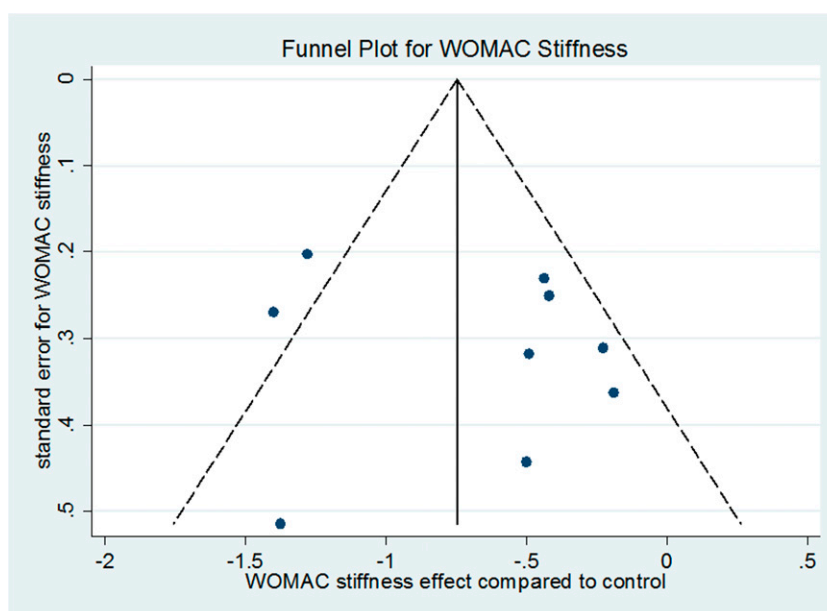


Fig. E-2C
 Funnel plot for WOMAC stiffness.

Literature Search Strategy

Database: MEDLINE (PubMed Interface)

Date of search: February 16, 2015

#1 "Osteoarthritis, Knee"[mh] OR gonitis[tiab] OR gonarthrit[tiab] OR gonarthros*[tiab]
#2 "Knee Joint"[mh] OR "Knee"[mh] OR knee*[tiab]
#3 Osteoarthritis[mh:noexp] OR Arthritis[mh:noexp] OR osteoarthrit*[tiab]
#4 (#1 OR (#2 AND #3)) NOT arthroplasty[majr]
#5 "1966"[PDat]: "3000"[PDat] AND English[lang]
#6 (animal[mh] NOT human[mh]) OR cadaver[mh] OR cadaver*[title] OR comment[pt] OR editorial[pt] OR letter[pt] OR "historical article"[pt] OR addresses[pt] OR news[pt] OR "newspaper article"[pt] OR "in vitro"[pt] OR "case report"[title]
#7 #4 AND #5 NOT #6
#8 "Injections, Intra-Articular"[mh] OR hyaluron*[tw] OR viscosupplement*
#9 #7 AND #8

Database: EMBASE (EMBASE.com Interface)

Date of search: February 16, 2015

#1 'knee osteoarthritis'/de OR 'knee arthritis'/de OR gonitis OR gonarthrit OR gonarthros*
#2 Knee/de OR 'knee meniscus'/de OR knee*:ti OR (joint*:ti AND knee*)
#3 arthritis/de OR osteoarthrit* OR arthriti*:ti
#4 (#1 OR (#2 AND #3)) NOT arthroplasty/exp
#5 English:la AND [humans]/lim AND [embase]/lim
#6 cadaver/de OR 'in vitro study'/exp OR 'abstract report'/de OR book/de OR editorial/de OR note/de OR letter/de OR 'case report':ti
#7 #4 AND #5 NOT #6
#8 'intraarticular drug administration'/de OR 'hyaluronic acid'/de OR viscosupplementation/de
#9 #7 AND #8

Database: Cochrane Library (Wiley Interface)

Date of search: February 16, 2015

#1 Knee*:ti,ab AND osteoarthriti*:ti,ab AND (hyaluron* OR viscosupplement*) NOT (arthroplasty OR replacement):ti

Database: Physiotherapy Evidence Database (PEDro.org Interface)

Date of search: February 16, 2015

Keyword: osteoarthritis injection

Body part: lower leg or knee ■