

## Supplementary material

Table S1 The search strategy (Supplementary material comments: table S1 described the specific search strategy of Pubmed, Embase, The Cochrane Library and Web of Science)

Databases	Search strategy
Pubmed	<p><b>#1</b> (((("Knee Osteoarthritis"[Title/ Abstract]) OR ("knee osteo-arthritis"[Title/ Abstract])) OR ("Knee Osteoarthritis"[Title/ Abstract])) OR ("Osteoarthritis of Knee"[Title/ Abstract])) OR ("Osteoarthritis of the Knee"[Title/ Abstract])</p> <p><b>#2</b> (((("Knee Osteoarthritis"[Title/ Abstract]) OR ("knee osteo-arthritis"[Title/ Abstract])) OR ("Knee Osteoarthritis"[Title/ Abstract])) OR ("Osteoarthritis of Knee"[Title/ Abstract])) OR ("Osteoarthritis of the Knee"[Title/ Abstract])) AND (((((((Mulligan[Title/ Abstract]) OR (Maitland[Title/ Abstract])) OR (MWM[Title/ Abstract])) OR ("Mobilization with Movement"[Title/ Abstract])) OR (PJM[Title/ Abstract])) OR ("passive joint mobilization"[Title/ Abstract])) OR ("musculoskeletal manipulations"[Title/ Abstract])) OR ("manual therapy"[Title/ Abstract]))</p> <p><b>#3</b> #1 AND #2</p>
Embase	<p><b>#1</b> mulligan:ti,ab,kw OR maitland:ti,ab,kw OR 'mobilization with movement':ti,ab,kw OR mwm:ti,ab,kw OR 'passive joint mobilization':ti,ab,kw OR pj:ti,ab,kw OR 'musculoskeletal manipulations':ti,ab,kw OR 'manual therapy':ti,ab,kw</p> <p><b>#2</b> 'Knee Osteoarthritis':ti,ab,kw OR 'knee osteo-arthritis':ti,ab,kw OR 'Knee Osteoarthritis':ti,ab,kw OR 'Osteoarthritis of Knee':ti,ab,kw OR 'Osteoarthritis of the Knee':ti,ab,kw</p> <p><b>#3</b> #1 AND #2</p>
The Cochrane Library	<p><b>#1</b> mulligan:ti,ab,kw OR maitland:ti,ab,kw OR (mobilization with movement) :ti,ab,kw OR mwm:ti,ab,kw OR (passive joint mobilization) :ti,ab,kw OR pj:ti,ab,kw OR (musculoskeletal manipulations) :ti,ab,kw OR (manual therapy) :ti,ab,kw</p> <p><b>#2</b> (Knee Osteoarthritis):ti,ab,kw OR (knee osteo-arthritis):ti,ab,kw OR (Knee Osteoarthritis):ti,ab,kw OR (Osteoarthritis of Knee):ti,ab,kw OR (Osteoarthritis of the Knee):ti,ab,kw</p> <p><b>#3</b> #1 AND #2</p>

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Web of Science

**#1** TS: ('Mulligan' or 'Maitland' or 'MWM' or 'Mobilization with Movement' or 'PJM' or 'passive joint mobilization' or 'musculoskeletal manipulations' or 'manual therapy')

**#2** TS: ('Knee Osteoarthritis' or 'knee osteo-arthritis' or 'Knee Osteoarthritides' or 'Osteoarthritis of Knee' or 'Osteoarthritis of the Knee')

**#3** #1 AND #2

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