

Bone & Joint Open



Supplementary Material

10.1302/2633-1462.45.BJO-2023-0021

Search strategy

CINAHL

1. exp *Physical Therapy/
2. exp *EXERCISE/
3. exp *THERAPEUTIC EXERCISE/
4. exp *REHABILITATION/
5. exp *PREHABILITATION/
6. exp *PREOPERATIVE/
7. exp *HOME REHABILITATION, REMOTE, ONLINE, VIRTUAL/
8. exp *REHABILITATION, COMMUNITY-BASED, SELF-MANAGEMENT/
9. exp *RESEARCH, REHABILITATION/
10. exp *REHABILITATION, GERIATRIC/
11. exp *physical activity/
12. exp *physical fitness/
13. exp *physical exertion/
14. exp *athletic training/
15. exp *physical training/
16. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14
17. exp HIP/
18. exp HIP JOINT/
19. exp KNEE/
20. exp KNEE JOINT/
21. hip.mp. [mp=title, CINAHL subject headings, abstract, instrumentation]
22. knee.mp. [mp=title, CINAHL subject headings, abstract, instrumentation]
23. exp Hip Surgery/
24. exp Knee Surgery/

25. exp ARTHROPLASTY/
26. exp ARTHROPLASTY, REPLACEMENT/
27. exp ARTHROPLASTY, REPLACEMENT, HIP/
28. exp ARTHROPLASTY, REPLACEMENT, KNEE/
29. exp Joint Prosthesis/
30. joint replacement.mp. [mp=title, CINAHL subject headings, abstract, instrumentation]
31. arthroplasty.mp. [mp=title, CINAHL subject headings, abstract, instrumentation]
32. 23 or 24 or 27 or 28
33. 17 or 18 or 19 or 20 or 21 or 22
34. 25 or 26 or 29 or 30 or 31
35. 33 and 34
36. 32 or 35
37. 16 and 36

MEDLINE

1. exp *EXERCISE/
2. exp *REHABILITATION/
3. exp *PREHABILITATION/
4. exp *PREOPERATIVE/
5. exp *EXERCISE THERAPY/
6. exp *HOME REHABILITATION, REMOTE, ONLINE, VIRTUAL/
7. exp *REHABILITATION, COMMUNITY-BASED, SELF-MANAGEMENT/
8. exp *Exercise Movement Techniques/
9. exp *Physical Therapy Modalities/
10. exp *"Physical Therapy (Specialty)"/
11. exercise.mp. [mp=title, abstract, CAS registry/ec number word, MeSH subject heading]
12. physiotherapy.mp. [mp=title, abstract, CAS registry/ec number word, MeSH subject heading]
13. physical therapy.mp. [mp=title, abstract, CAS registry/ec number word, MeSH subject heading]
14. exp *EXERTION/
15. exp *physical activity/
16. exp *physical fitness/

17. exp *physical training/
18. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
19. exp HIP/
20. exp HIP JOINT/
21. exp KNEE/
22. exp KNEE JOINT/
23. hip.mp. [mp=title, abstract, CAS registry/ec number word, MeSH subject heading]
24. knee.mp. [mp=title, abstract, CAS registry/ec number word, MeSH subject heading]
25. exp Joint Prosthesis/
26. exp Hip Prosthesis/
27. exp Knee Prosthesis/
28. exp "Prostheses and Implants"/
29. exp ARTHROPLASTY/
30. exp ARTHROPLASTY, REPLACEMENT/
31. exp ARTHROPLASTY, REPLACEMENT, HIP/
32. exp ARTHROPLASTY, REPLACEMENT, KNEE/
33. arthroplasty.mp.
34. joint replacement.mp.
35. 23 or 24 or 25 or 26 or 27 or 28
36. 19 or 20 or 21 or 22 or 23 or 24
37. 29 and 30
38. 31 or 32 or 33 or 34

Pubmed

1. exp *Physiotherapy/
2. exp *Physical Activity/
3. exp *EXERCISE, EXERCISE THERAPY/
4. exp *Kinesiotherapy/
5. exp *REHABILITATION/
6. exp *PREHABILITATION/
7. exp *PREOPERATIVE/
8. exp *HOME REHABILITATION, REMOTE, ONLINE, VIRTUAL/
9. exp *REHABILITATION, COMMUNITY-BASED, SELF-MANAGEMENT/

10. exp ARTHROPLASTY/
11. exp HIP ARTHROPLASTY/
12. exp KNEE ARTHROPLASTY/
13. exp JOINT PROSTHESIS/
14. exp Knee Prosthesis/
15. exp Hip Prosthesis/
16. exp HIP/
17. exp KNEE/
18. 16 or 17
19. 8 or 9
20. exp Total Knee Replacement/
21. exp Total Hip Prosthesis/
22. exp Knee Surgery/
23. exp Hip Surgery/
24. joint replacement.mp.
25. arthroplasty.mp.
26. 8 or 9 or 10 or 11 or 12 or 13 or 18 or 20 or 21 or 22 or 23 or 24 or 25
27. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
28. 26 and 27

ProQuest

1. exp *Physical Therapy/
2. exp *EXERCISE/
3. exp *THERAPEUTIC EXERCISE/
4. exp *REHABILITATION/
5. exp *PREHABILITATION/
6. exp *PREOPERATIVE/
7. exp *HOME REHABILITATION, REMOTE, ONLINE, VIRTUAL/
8. exp *REHABILITATION, COMMUNITY-BASED, SELF-MANAGEMENT/
9. exp *RESEARCH, REHABILITATION/
10. exp *REHABILITATION, GERIATRIC/
11. exp *physical activity/
12. exp *physical fitness/
13. exp *physical exertion/
14. exp *athletic training/
15. exp *physical training/

16. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15
17. exp HIP/
18. exp HIP JOINT/
19. exp KNEE/
20. exp KNEE JOINT/
21. hip.mp. [mp=title, ProQuest subject headings, abstract, instrumentation]
22. knee.mp. [mp=title, ProQuest subject headings, abstract, instrumentation]
23. exp Hip Surgery/
24. exp Knee Surgery/
25. exp ARTHROPLASTY/
26. exp ARTHROPLASTY, REPLACEMENT/
27. exp ARTHROPLASTY, REPLACEMENT, HIP/
28. exp ARTHROPLASTY, REPLACEMENT, KNEE/
29. exp Joint Prosthesis/
30. joint replacement.mp. [mp=title, ProQuest, subject headings, abstract, instrumentation]
31. arthroplasty.mp. [mp=title, ProQuest, subject headings, abstract, instrumentation]
32. 23 or 24 or 27 or 28
33. 17 or 18 or 19 or 20 or 21 or 22
34. 25 or 26 or 29 or 30 or 31
35. 33 and 34
36. 32 or 35
37. 16 and 36

Cochrane library

1. exp *Physiotherapy/
2. exp *Physical Activity/
3. exp *EXERCISE, THERAPEUTIC EXERCISE
4. exp *Kinesiotherapy/
5. exp *REHABILITATION, COMMUNITY-BASED, SELF-MANAGEMENT/
6. exp *PREHABILITATION/
7. exp *PREOPERATIVE/
8. exp *HOME REHABILITATION, REMOTE, ONLINE, VIRTUAL/
9. exp ARTHROPLASTY/
10. exp HIP ARTHROPLASTY/

11. exp KNEE ARTHROPLASTY/
12. exp JOINT PROSTHESIS/
13. exp Knee Prosthesis/
14. exp Hip Prosthesis/
15. exp HIP/
16. exp KNEE/
17. 15 or 16
18. 9 or 12
19. 17 and 18
20. exp Total Knee Replacement/
21. exp Total Hip Prosthesis/
22. exp Knee Surgery/
23. exp Hip Surgery/
24. joint replacement.mp.
25. arthroplasty.mp.
26. 10 or 11 or 12 or 13 or 14 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25
27. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
28. 26 and 27

Google Scholar

1. exp *Physiotherapy/
2. exp *Physical Activity/
3. exp *EXERCISE, THERAPEUTIC EXERCISE
4. exp *Kinesiotherapy/
5. exp *REHABILITATION, COMMUNITY-BASED, SELF-MANAGEMENT/
6. exp *PREHABILITATION/
7. exp *PREOPERATIVE/
8. exp *HOME REHABILITATION, REMOTE, ONLINE, VIRTUAL/
9. exp ARTHROPLASTY/
10. exp HIP ARTHROPLASTY/
11. exp KNEE ARTHROPLASTY/
12. exp JOINT PROSTHESIS/
13. exp Knee Prosthesis/

14. exp Hip Prosthesis/
15. exp HIP/
16. exp KNEE/
17. 15 or 16
18. 9 or 12
19. 17 and 18
20. exp Total Knee Replacement/
21. exp Total Hip Prosthesis/
22. exp Knee Surgery/
23. exp Hip Surgery/
24. joint replacement.mp.
25. arthroplasty.mp.
26. 10 or 11 or 12 or 13 or 14 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25
27. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
28. 26 and 27

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
An 2021	+	+	+	+	+	+	+
Aoki 2009	+	-	-	+	+	+	+
Börjesson 1996	+	-	-	+	+	+	+
Bruce-Brand 2012	+	+	-	+	-	+	+
Crotty 2009	+	+	-	-	+	+	+
Doiron-Cadrin 2020	+	+	-	+	+	+	+
Gilbey 2003	+	?	-	-	+	+	+
Gocen 2004	+	-	-	+	+	+	+
Ho 2022	+	-	-	+	+	+	+
Hoogeboom 2010	+	+	-	+	-	+	+
Huang 2012	+	?	?	?	+	+	+
Matassi 2014	+	?	-	+	+	+	+
Mikkelsen 2014	+	+	-	+	+	+	+
Núñez 2006	+	-	-	+	+	+	+
Oosting 2012	+	+	-	+	+	+	+
Rittharomya 2020	+	-	-	+	+	+	+
Soeters 2018	+	-	-	-	+	+	+
Swank 2011	+	-	-	-	+	+	+
Topp 2009	+	?	-	-	+	+	+
Tungtrongjit 2012	+	?	?	+	+	+	+
Walls 2010	+	?	-	+	?	+	+
Weidenhielm 1993	+	-	-	-	-	+	+

Fig. a. Risk of bias.