Appendix C Preferred Reporting Items for Systematic Reviews and Meta-Analyses Diagrams

KQ1. Adult

*Six items were added during the second screening ([572]6–578)
KQ2. Adult

Records identified through database searching
ClinicalTrials.gov/NLM (n = 10)
Cochrane Library/Cochrane (n = 17)
Embase/Elsevier (n = 813)
PubMed/NLM (n = 1128)
(n = 1968 including Adult = 1649 and Urgent Start = 18)

Additional articles identified through handsearching trials and citation searching
ClinicalTrials.gov/NLM (n = 18)
Cochrane Library/Cochrane (n = 3)
PubMed/NLM (n = 15)
Citation searching (n = 29)
(n = 65 including Adult = 55)

Records after duplicates and trials are removed
(n = 681 including Adult = 578)

Records excluded
(n = 346)
- Full-text articles excluded (n = 99)
  - 19 Low numbers
  - 16 Wrong study design
  - 14 Non-English
  - 13 Wrong intervention
  - 11 SR - Citations searched
  - 8 Abstract only
  - 7 Paediatric population
  - 4 Case report
  - 3 Wrong comparator
  - 3 Wrong outcomes
  - 1 Wrong patient population

Adult records in initial screening
(n = 572)*

Full-text articles assessed for eligibility
(n = 226)

Records available for second screening
(n = 127 Including Urgent Start = 17)

Adult with Urgent Start full-text articles assessed for eligibility
(n = 18 with 1 database addition)

Studies included in appraisal/guideline/recommendations
(n = 16)

Full-text Urgent Start articles excluded
(n = 2)
- 1 Wrong outcomes
- 1 Wrong study design

*Six items were added during the second screening (572-6-578)
KQ3. Adult

Records identified through database searching
- ClinicalTrials.gov/NLM (n = 10)
- Cochrane Library/Cochrane (n = 17)
- Embase/Elsevier (n = 813)
- PubMed/NLM (n = 1128)
(n = 1968 including Adult = 1649 and Concomitant Surgeries = 6)

Records after duplicates and trials are removed
(n = 681 including Adult = 578)

Additional articles identified through handsearching trials and citation searching
- ClinicalTrials.gov/NLM (n = 18)
- Cochrane Library/Cochrane (n = 3)
- PubMed/NLM (n = 15)
- Citation searching (n = 29)
(n = 65 including Adult = 55)

Remainder of unique records
(n = 103)

Adult records in initial screening
(n = 572)*

Full-text articles assessed for eligibility
(n = 226)

Records available for second screening
(n = 127 Including Concomitant Surgeries = 6)

Adult with Concomitant Surgeries full-text articles assessed for eligibility
(n = 6)

Studies included in appraisal/guideline/recommendations
(n = 5)

Records excluded
(n = 346)

Full-text articles excluded
(n = 99)
- 19 Low numbers
- 16 Wrong study design
- 14 Non-English
- 13 Wrong intervention
- 11 SR - Citations searched
- 8 Abstract only
- 7 Paediatric population
- 4 Case report
- 3 Wrong comparator
- 3 Wrong outcomes
- 1 Wrong patient population

Full-text Concomitant Surgeries articles excluded
(n = 1)
- 1 Abstract only

*Six items were added during the second screening (572+6-578)
KQ4. KQ5. & KQ6. Adult

Literature Search

Records identified through database searching
ClinicalTrials.gov/NLM (n = 10)
Cochrane Library/Cochrane (n = 17)
Embase/Elsevier (n = 813)
PubMed/NLM (n = 1128)
(n = 1968 including Adult = 1649 and Technique = 83)

Additional articles identified through handsearching trials and citation searching
ClinicalTrials.gov/NLM (n = 18)
Cochrane Library/Cochrane (n = 3)
PubMed/NLM (n = 15)
Citation searching (n = 29)
(n = 65 including Adult = 55 and Technique = 1)

Records after duplicates and trials are removed (n = 681 including Adult = 578)

Remainder of unique records (n = 103)

Screening

Adult records in initial screening (n = 572)*

Full-text articles assessed for eligibility (n = 226)

Records available for second screening (n = 127 including and Technique = 81)

Full-text articles excluded (n = 99)
19 Low numbers
16 Wrong study design
14 Non-English
13 Wrong intervention
11 SR - Citations searched
8 Abstract only
7 Paediatric population
4 Case report
3 Wrong comparator
3 Wrong outcomes
1 Wrong patient population

Eligibility

Adult with Technique full-text articles assessed for eligibility (n = 84 with 2 database additions and 1 handsearched addition)

Full-text Technique articles excluded (n = 22)
12 Wrong intervention
3 Wrong outcomes
2 Single Arm <50pts
2 Wrong study design
1 Abstract Only
1 Overlapping patients with another included study
1 Wrong patient population

Included

Studies included in appraisal/guideline/recommendations (n = 62)

*Six items were added during the second screening (572-578)
KQ7. Adult

Records identified through database searching
ClinicalTrials.gov/NLM (n = 10)
Cochrane Library/Cochrane (n = 17)
Embase/Elsevier (n = 813)
PubMed/NLM (n = 1128)
(n = 1968 including Adult = 1649 and Salvage = 17)

Additional articles identified through handsearching trials and citation searching
ClinicalTrials.gov/NLM (n = 18)
Cochrane Library/Cochrane (n = 3)
PubMed/NLM (n = 15)
Citation searching (n = 29)
(n = 65 including Adult = 55)

Records after duplicates and trials are removed
(n = 681 including Adult = 578)

Remainder of unique records
(n = 103)

Adult records in initial screening
(n = 572)*

Full-text articles assessed for eligibility
(n = 226)

Records available for second screening
(n = 127 including Salvage = 17)

Adult with Salvage full-text articles assessed for eligibility
(n = 17)

Studies included in appraisal/guideline/recommendations
(n = 17)

Records excluded
(n = 346)

Full-text articles excluded
(n = 99)
19 Low numbers
16 Wrong study design
14 Non-English
13 Wrong intervention
11 SR - Citations searched
8 Abstract only
7 Paediatric population
4 Case report
3 Wrong comparator
3 Wrong outcomes
1 Wrong patient population

*Six items were added during the second screening (572+6=578)