

PRESS Guideline — Search Submission & Peer Review Assessment

SEARCH SUBMISSION: THIS SECTION TO BE FILLED IN BY THE SEARCHER

Searcher: Karen John-Pierre	Email:	
Date submitted: 8/12/22	Date requested by: 15/12/2022	[Maximum = 5 working days]

Systematic Review Title:

Systematic review & network meta-analysis of randomised controlled trials comparing antithrombotic drugs for cardiovascular risk reduction in patients with lower limb peripheral arterial disease.

This search strategy is ...

x	My PRIMARY (core) database strategy — First time submitting a strategy for search question and database
	My PRIMARY (core) strategy — Follow-up review NOT the first time submitting a strategy for search question and database. If this is a response to peer review, itemize the changes made to the review suggestions
	SECONDARY search strategy— First time submitting a strategy for search question and database
	SECONDARY search strategy — NOT the first time submitting a strategy for search question and database. If this is a response to peer review, itemize the changes made to the review suggestions

Database (i.e., MEDLINE,CINAHL...): [mandatory]

Medline (All)

Interface (i.e., Ovid, EBSCO...): [mandatory]

Ovid

Research Question

(Describe the purpose of the search) [mandatory]

<p>To understand the relative efficacy and safety of previously investigated antithrombotic medications in preventing major cardiovascular events, limb loss, mortality, and bleeding events in patients with lower limb PAD.</p> <p>Protocol is available at https://doi.org/10.24376/rd.sgul.21591216.v1</p>

PICO Format

(Outline the PICOs for your question — i.e., Patient, Intervention, Comparison, Outcome, and Study Design — as applicable)

P	Patients with Peripheral arterial disease
I	Antithrombotic/anticoagulant/antiplatelet drug regimes
C	(See above)
O	(See above)
S	RCTs

Inclusion Criteria

(List criteria such as age groups, study designs, etc., to be included) [optional]

Randomised Controlled Trials (RCTs)

Exclusion Criteria

(List criteria such as study designs, date limits, etc., to be excluded) [optional]

Not Applicable

Was a search filter applied?

YES ☒ No ☐

If YES, which one(s) (e.g., Cochrane RCT filter, PubMed Clinical Queries filter)? Provide the source if this is a published filter. [mandatory if YES to previous question — textbox]

Cochrane Highly Sensitive Search Strategy for RCTs in Medline

Other notes or comments you feel would be useful for the peer reviewer? [optional]

Not Applicable

Please copy and paste your search strategy here, exactly as run, including the number of hits per line.

Ovid MEDLINE(R) ALL <1946 to December 06, 2022>

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1      exp Peripheral arterial disease/10845
2      exp Peripheral vascular diseases/      57511
3      Peripheral arter* occlusive disease.tw,kw.      2102
4      (Peripheral arter* disease* or PAD).tw,kw.      40160
5      (Peripheral adj3 disease*).tw,kw.      35211
6      (PVD or pvod or paod or poad).tw,kw. 4282
7      Peripheral vascular disease.tw,kw.      9890
8      Arterial occlusive diseases/      28147
9      Arteriosclerosis obliterans/      4033
10     Arteriosclerosis/      56766
11     Arteriolosclerosis/      176
12     Intermittent claudication/      8366
13     (Critical limb adj2 isch?emia).tw,kw.      4650
14     (Chronic limb adj2 isch?emia).tw,kw.      981
15     (CLTI or CLI).tw,kw.      3535
16     (claudic* or IC).tw,kw. 76738
17     or/1-16 261587
18     Aorta, Abdominal/ or Femoral Artery/ or Iliac Artery/ or Popliteal Artery/ or Tibial Arteries/
64791
19     (isch?em* or malper* or disease* or occlu* or steno* or athero* or obstruct* or reocclu* or
re-occlu* or lesion* or block* or harden* or stiff* or bypass* or by-pass* or stent* or angio* or
amput* or dysvascular* or arteriopath*).tw,kw.      7148935
20     18 and 19      36796

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- 21 ((Abdominal aorta* or Aortoiliac or Aortofemoral or Genicular or Fempop* or Femoropop* or Femoral or Iliofemoral or Infrapopliteal or Iliac or Peroneal or Popliteal or Tibial) adj3 (isch?em* or malper* or dis* or occlu* or steno* or athero* or obstruct* or reocclu* or re-occlu* or lesion* or block* or harden* or stiff* or bypass* or by-pass* or stent* or angio* or dysvascular* or arteriopath*)).tw,kw. 38920
- 22 (Lower extremit* adj3 (isch?em* or malper* or disease* or occlu* or steno* or athero* or obstruct* or reocclu* or re-occlu* or lesion* or block* or harden* or stiff* or bypass* or by-pass* or stent* or angio* or amput* or dysvascular* or arteriopath*)).tw,kw. 9497
- 23 (Lower limb* adj3 (isch?em* or malper* or disease* or occlu* or steno* or athero* or obstruct* or reocclu* or re-occlu* or lesion* or block* or harden* or stiff* or bypass* or by-pass* or stent* or angio* or amput* or dysvascular* or arteriopath*)).tw,kw. 9316
- 24 (Leg* adj3 (isch?em* or malper* or disease* or occlu* or steno* or athero* or obstruct* or reocclu* or re-occlu* or lesion* or block* or harden* or stiff* or bypass* or by-pass* or stent* or angio* or amput* or dysvascular* or arteriopath*)).tw,kw. 13155
- 25 Criteria for Lower Extremity Impairment.tw,kw. 0
- 26 ((fontaine or rutherford* or granziani* or bollinger* or global limb anatom*) adj4 (scor* or categor* or class* or stag* or system or angiographic* or grad*)).tw,kw. 1849
- 27 ((Wound Ischemia Foot Infection or WIFI) adj4 (class* or grad* or stag* or categor* or system* or scor*)).tw,kw. 192
- 28 or/20-27 91057
- 29 17 or 28 326976
- 30 exp Anticoagulants/ 240037
- 31 exp Antithrombins/ 25929
- 32 exp Platelet Aggregation Inhibitors/ 134017
- 33 exp Coumarins/ 55837
- 34 (Anticoagulant* or Antithromb* or Anti-coagulant* or Anti-thromb* or Antiplatelet* or Anti-platelet* or Antiaggreg* or Anti-aggreg*).tw,kw. 138329
- 35 ((vitamin k or vit k) adj4 antagon*).tw,kw. 7975
- 36 VKA*.tw,kw. 3456

- 37 (Aspirin or nitroaspirin or ASA or acetyl-salicylic acid or acetylsalicylic acid or acetysal or acylpyrin or aloxiprimun or colfarit or dispril or easprin or ecotrin or endosprin or magnecyl or micristin or polopiryna or solprin or solupsan or zorprin).tw,kw,nm. 101457
- 38 exp Aspirin/ 48010
- 39 ((platelet or thromboxane* or thrombocyte* or cox or cyclooxygenase or cyclo-oxygenase or phosphodiesterase or fibrinogen) adj4 (antagonist* or inhibitor*)).tw,kw. 25382
- 40 ((gp* or glycoprotein* or protease or aflen) adj4 (antagonist* or inhibitor*)).tw,kw,nm. 11650
- 41 (carbasalat* calcium or indobufen or trifusal or disgren or grendis or triflux).tw,kw,nm. 200
- 42 (abciximab or tirofiban* or eftifibatid* or reopro or integrilin* or aggrastat*).tw,kw,nm. 4111
- 43 (thienopyridine* or thiophen* or clopidogrel or plavix or iscover or prasugrel or effient or ticlopidine or ticlid or cangrelor or elinogrel or grepid).tw,kw,nm. 45138
- 44 (cilostazol or pletal or picotamide or plactidil).tw,kw,nm. 2225
- 45 (picotinamide or suloctidil or sulphinpyrazone).tw,kw,nm. 343
- 46 (satigrel or sarpolgrelate or isbogrel).tw,kw,nm. 56
- 47 (epoprostenol* or iloprost* or ketanserin* or milrinone* or mopidamol* or ventavis or ilomedine).tw,kw,nm. 23171
- 48 (dispril or albyl* or aggrenox or ozagrel).tw,kw,nm. 647
- 49 terutroban.tw,kw,nm. 80
- 50 exp Clopidogrel/ 10000
- 51 (antistenocardin or apo-dipyridamole or cerebrovase or cleridium or curantil or curantyl or dipyrmidole or kurantil or miosen or novo-dipiradol or persantin*).tw,kw,nm. 468
- 52 exp Dipyridamole/ 7750
- 53 prasugrel.tw,kw,nm. 2911
- 54 exp Prasugrel Hydrochloride/ 1751
- 55 (ticagrelor or brilinta or brilique).tw,kw,nm. 3850
- 56 exp Ticagrelor/ 2319

- 57 (warfarin or aldocumar or coumadin* or dindevan or jantoven or lawarin or marevan or tedicumar or warfant or waran).tw,kw,nm. 33706
- 58 exp Warfarin/ 21190
- 59 (acenocoumarol* or acenocoumarin* or mini-sintrom or minisintrom or nicoumalone or sinkumar or sinthrome or sintrom or syncoumar or syncumar or synthrom).tw,kw,nm. 1830
- 60 exp Acenocoumarol/ 1364
- 61 (phenprocoumon or phenprocoumalol or phenprocoumarol or phenprogramma or marcoumar or marcumar or falithrom or liquamar).tw,kw,nm. 1405
- 62 Phenprocoumon/ 976
- 63 (phenindione or dindevan or fenilin or phenylindanedione or phenylene or pindione).tw,kw,nm. 925
- 64 exp Phenindione/ 892
- 65 (apixaban or eliquis).tw,kw,nm. 5154
- 66 odiparcil.tw,kw,nm. 7
- 67 (edoxaban or otamixban or betrixaban).tw,kw,nm. 2208
- 68 (rivaroxaban or xarelto).tw,kw,nm. 7765
- 69 exp Rivaroxaban/ 4520
- 70 (dabigatran or pradax* or prazax*).tw,kw,nm. 6440
- 71 (ximelagatran or exanta or exarta).tw,kw,nm. 603
- 72 exp Dabigatran/ 3773
- 73 (heparin or calciparin* or ariven or arteven or bemiparin or calcilean or certoparin or depo-heparin or eparina or hed-heparin or hepalean or hepathrom or leparan or lipo-hepin or liqu?emin* or multi-parin or multiparin or novoheparin or panbyrin or parvoparin or pularin or thromboliquine or vetren).tw,kw,nm. 103399
- 74 exp Heparin/ 68033
- 75 (LMWH or LMH).tw,kw. 6469
- 76 (nadroparin* or fraxiparin* or enoxaparin*).tw,kw,nm.6959
- 77 (dalteparin* or fragmin* or tedelparin or ardeparin).tw,kw,nm. 1676

78 exp Dalteparin/930

79 (lovenox or clexane or klexane or enoxaparin).tw,kw,nm. 6272

80 exp Enoxaparin/ 3860

81 (normiflo or tinzaparin or logiparin* or innohep or certoparin* or sandoparin*).tw,kw,nm.
675

82 exp Tinzaparin/344

83 (reviparin* or clivarin*).tw,kw,nm. 141

84 (danaparoid or danaproid or orgaran or lomoparan).tw,kw,nm. 682

85 (antixarin or ardeparin* or bemiparin*).tw,kw,nm. 176

86 (zibor or embolex or monoembolex).tw,kw,nm. 18

87 (parnaparin* or tedelparin*).tw,kw,nm. 65

88 (seleparin* or tedegliparin*).tw,kw,nm. 2

89 argatroban.tw,kw,nm. 1633

90 (bivalirudin or angiomax or angiox).tw,kw,nm. 1949

91 (epoprostenol or epoprostanol or flolan or prostacyclin or prostaglandin or velettri).tw,kw,nm.
113124

92 exp Epoprostenol/ 12875

93 (fondaparinux or arixtra or quixidar).tw,kw,nm. 2172

94 exp Fondaparinux/ 1180

95 or/30-94 656491

96 randomized controlled trial.pt. 582495

97 controlled clinical trial.pt. 95121

98 randomi#ed.ab. 698698

99 placebo.ab. 233853

100 dt.fs. 2555131

101 randomly.ab. 397083

102 trial.ab.626753
103 groups.ab. 2444552
104 96 or 97 or 98 or 99 or 100 or 101 or 102 or 103 5549605
105 exp animals/ not humans.sh. 5072762
106 104 not 105 4839567
107 17 and 29 and 95 and 106 10150

<https://ovidsp.ovid.com/ovidweb.cgi?T=JS&NEWS=N&PAGE=main&SHAREDSEARCHID=7aldB8LrbWqxQxVslA5YWaFk1wpqkHbjbMbJaVFJFLfYc0LfZSPJ9dSOeXd615FrU>

PEER REVIEW ASSESSMENT: THIS SECTION TO BE FILLED IN BY THE REVIEWER

Reviewer:	Email:	Date completed:
Candida Fenton		13.12.22

1. TRANSLATION

A ---No revisions	<input type="checkbox"/>
B --- Revision(s) suggested	<input type="checkbox"/>
C --- Revision(s) required	<input type="checkbox"/>

If "B" or "C," please provide an explanation or example:

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2. BOOLEAN AND PROXIMITY OPERATORS

A ---No revisions	<input type="checkbox"/>
B --- Revision(s) suggested	<input checked="" type="checkbox"/>
C --- Revision(s) required	<input type="checkbox"/>

If "B" or "C," please provide an explanation or example:

I am not familiar with the technique of combining one line with another twice as happens with line 17.

Line 17 is included in line 29 "17 or 28" and also in line 107 "17 and 29 and 95 and 106"

The usual logic structure is:

Condition term set (Peripheral Arterial Disease)

AND

Intervention term set (Antithrombotics)

AND

Study type term set (RCT)

Following that structure, line 29 would be "17 or 20 or 28" – for the PAD term set, and line 107 would be "29 and 95 and 106" PAD AND Antithrombotics AND study type

3. SUBJECT HEADINGS

A ---No revisions	X
B --- Revision(s) suggested	<input type="checkbox"/>
C --- Revision(s) required	<input type="checkbox"/>

If "B" or "C," please provide an explanation or example:

4. TEXT WORD SEARCHING

A ---No revisions	<input type="checkbox"/>
B --- Revision(s)suggested	X
C --- Revision(s) required	<input type="checkbox"/>

If "B" or "C," please provide an explanation or example:

Line 16 includes the two-letter term "IC" and it is possible that this term retrieves no unique records and a large number of irrelevant record, so perhaps consider excluding this as it may reduce the number of irrelevant record retrieved by the search.

Line 19 contains the term "disease*" which is very broad when ANDed with Mesh terms, so perhaps consider excluding this term as it may reduce the number of irrelevant records retrieved by the search.

5. SPELLING, SYNTAX, AND LINE NUMBERS

A ---No revisions	X
B --- Revision(s)suggested	<input type="checkbox"/>
C --- Revision(s) required	<input type="checkbox"/>

If "B" or "C," please provide an explanation or example:

6. LIMITS AND FILTERS

A ---No revisions	<input type="checkbox"/>
B --- Revision(s) suggested	x
C --- Revision(s) required	<input type="checkbox"/>

If "B" or "C," please provide an explanation or example:

The fields specified for many search terms are text word and keyword (tw,kw.) which is very broad, and using title and abstract (ti,ab) instead may reduce the number of irrelevant record retrieved by the search.

OVERALL EVALUATION (Note: If one or more "revision required" is noted above, the response below must be "revisions required".)

A ---No revisions	<input type="checkbox"/>
B --- Revision(s) suggested	X
C --- Revision(s) required	<input type="checkbox"/>

Additional comments:

Overall the number of records retrieved by the search is high at over 10000. If there is a set of records which the search is expected to retrieve, perhaps the search could be tested against them, and some or the broader search terms excluded to make the search more precise.