## Database search strategy

### Database: Medline

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to December 12, 2019>

Search Strategy:

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1 Amputees/ (3376)

2 exp Amputation/ (20930)

3 amput\*.tw. (42609)

4 disarticulat\*.tw. (1606)

5 prosthe\*.tw. (118947)

6 (artificial adj (limb\* or leg\*)).tw. (536)

7 Artificial Limbs/ (6665)

8 LEA.tw. (2347)

9 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 (166117)

10 "lower limb\*".tw. (47509)

11 "lower extremit\*".tw. (52565)

12 leg\*.tw. (293270)

13 ((above or below or through) adj3 knee\*).tw. (7081)

14 "trans-tibial".tw. (358)

15 transtibial.tw. (1733)

16 knee\*.tw. (141203)

17 hip\*.tw. (325565)

18 thigh\*.tw. (28640)

19 "trans-femoral".tw. (350)

20 transfemoral.tw. (5026)

21 "trans-pelvic".tw. (6)

22 transpelvic.tw. (82)

23 hip/su (2871)

24 knee/su (2650)

25 leg/su (5107)

26 thigh/su (1447)

27 lower extremity/su (1856)

28 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 (818087)

29 vascular\*.tw. (589135)

30 dysvascular\*.tw. (239)

31 exp Vascular Surgical Procedures/ (246355)

32 exp Vascular Diseases/ (1626902)

33 (peripheral adj3 ("arter\* disease\*" or "arter\* disorder\*" or arteriopath\*)).tw. (14144)

34 "limb\* threat\*".tw. (1439)

35 ((leg\* or limb\* or peripheral) adj3 isch?emi\*).tw. (14235)

36 PVD.tw. (2376)

37 PAOD.tw. (758)

38 (peripheral adj3 ("vascul\* disorder\*" or "vascul\* disease\*")).tw. (10062)

39 CLI.tw. (2465)

40 (ulcer\* adj3 (arter\* or vascular\*)).tw. (1442)

41 Ischemia/ (49164)

42 ALI.tw. (6610)

43 ulcer\*.tw. (198843)

44 diabet\*.tw. (603319)

45 atherosclero\*.tw. (144792)

46 arteriosclero\*.tw. (15481)

47 claudic\*.tw. (10402)

48 ((arter\* or vascular) adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (135311)

49 (limb\* adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (3792)

50 (leg\* adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (3356)

51 (peripheral adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (16324)

52 ("lower extremit\*" adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (2057)

53 Gangrene/ (8076)

54 gangren\*.tw. (16525)

55 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 (2865492)

56 Epidemiology/ (12267)

57 incidence/ (252140)

58 prevalence/ (279362)

59 exp Epidemiologic Methods/ (6001928)

60 exp epidemiologic studies/ (2404737)

61 Population Surveillance/ (57836)

62 epidemiolog\*.mp. (1828006)

63 inciden\*.mp. (951016)

64 prevalen\*.mp. (796766)

65 frequenc\*.mp. (942710)

66 (rate\* adj3 (occur\* or population\*)).mp. (34809)

67 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 (7703017)

68 exp Great Britain/ (358725)

69 (national health service\* or nhs\*).ti,ab,in. (182826)

70 (english not ((published or publication\* or translat\* or written or language\* or speak\* or literature or citation\*) adj5 english)).ti,ab. (93210)

71 (gb or "g.b." or britain\* or (british\* not "british columbia") or uk or "u.k." or united kingdom\* or (england\* not "new england") or northern ireland\* or northern irish\* or scotland\* or scottish\* or ((wales or "south wales") not "new south wales") or welsh\*).ti,ab,jw,in. (1990860)

72 (bath or "bath's" or ((birmingham not alabama\*) or ("birmingham's" not alabama\*) or bradford or "bradford's" or brighton or "brighton's" or bristol or "bristol's" or carlisle\* or "carlisle's" or (cambridge not (massachusetts\* or boston\* or harvard\*)) or ("cambridge's" not (massachusetts\* or boston\* or harvard\*)) or (canterbury not zealand\*) or ("canterbury's" not zealand\*) or chelmsford or "chelmsford's" or chester or "chester's" or chichester or "chichester's" or coventry or "coventry's" or derby or "derby's" or (durham not (carolina\* or nc)) or ("durham's" not (carolina\* or nc)) or ely or "ely's" or exeter or "exeter's" or gloucester or "gloucester's" or hereford or "hereford's" or hull or "hull's" or lancaster or "lancaster's" or leeds\* or leicester or "leicester's" or (lincoln not nebraska\*) or ("lincoln's" not nebraska\*) or (liverpool not (new south wales\* or nsw)) or ("liverpool's" not (new south wales\* or nsw)) or ((london not (ontario\* or ont or toronto\*)) or ("london's" not (ontario\* or ont or toronto\*)) or manchester or "manchester's" or (newcastle not (new south wales\* or nsw)) or ("newcastle's" not (new south wales\* or nsw)) or norwich or "norwich's" or nottingham or "nottingham's" or oxford or "oxford's" or peterborough or "peterborough's" or plymouth or "plymouth's" or portsmouth or "portsmouth's" or preston or "preston's" or ripon or "ripon's" or salford or "salford's" or salisbury or "salisbury's" or sheffield or "sheffield's" or southampton or "southampton's" or st albans or stoke or "stoke's" or sunderland or "sunderland's" or truro or "truro's" or wakefield or "wakefield's" or wells or westminster or "westminster's" or winchester or "winchester's" or wolverhampton or "wolverhampton's" or (worcester not (massachusetts\* or boston\* or harvard\*)) or ("worcester's" not (massachusetts\* or boston\* or harvard\*)) or (york not ("new york\*" or ny or ontario\* or ont or toronto\*)) or ("york's" not ("new york\*" or ny or ontario\* or ont or toronto\*))))).ti,ab,in. (1341900)

73 (bangor or "bangor's" or cardiff or "cardiff's" or newport or "newport's" or st asaph or "st asaph's" or st davids or swansea or "swansea's").ti,ab,in. (52438)

74 (aberdeen or "aberdeen's" or dundee or "dundee's" or edinburgh or "edinburgh's" or glasgow or "glasgow's" or inverness or (perth not australia\*) or ("perth's" not australia\*) or stirling or "stirling's").ti,ab,in. (199885)

75 (armagh or "armagh's" or belfast or "belfast's" or lisburn or "lisburn's" or londonderry or "londonderry's" or derry or "derry's" or newry or "newry's").ti,ab,in. (24719)

76 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 (2563344)

77 (exp africa/ or exp americas/ or exp antarctic regions/ or exp arctic regions/ or exp asia/ or exp oceania/) not (exp great britain/ or europe/) (2783662)

78 76 not 77 (2422301)

79 9 and 28 and 55 and 67 and 78 (704)

80 exp animals/ not humans.sh. (4651026)

81 79 not 80 (701)

82 limit 81 to yr="2009-2020" (341)

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* **Lines 1-9** are amputation terms
* **Lines 10-28** are lower extremity terms
* **Lines 29-55** are vascular terms (including diabetes)

The aim of combining these groups is to pick up only major lower limb amputation for vascular conditions.

Filters used:

* **Lines 68-74 is the UK filter** for Medline22.   
  This has been adapted for EMBASE23.   
  Validated UK filters for the other databases were not available.
* **Lines 76-77 is a human filter**, taken from the end of the Cochrane Handbook filter for RCTs32.
* **Lines 56-67** **is a study type filter33**.

### **Database: EMBASE**

Search Strategy:

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1 Amputee/ (933)

2 exp Amputation/ (44320)

3 amput\*.tw. (51765)

4 disarticulat\*.tw. (1845)

5 prosthe\*.tw. (137059)

6 (artificial adj (limb\* or leg\*)).tw. (555)

7 exp "limb prosthesis"/ (6486)

8 LEA.tw. (2728)

9 "lower limb\*".tw. (69278)

10 "lower extremit\*".tw. (70925)

11 leg\*.tw. (367108)

12 ((above or below or through) adj3 knee\*).tw. (9584)

13 "trans-tibial".tw. (445)

14 transtibial.tw. (2073)

15 knee\*.tw. (182897)

16 hip\*.tw. (416631)

17 thigh\*.tw. (39584)

18 "trans-femoral".tw. (840)

19 transfemoral.tw. (8600)

20 "trans-pelvic".tw. (13)

21 transpelvic.tw. (88)

22 hip/su (1527)

23 exp leg/su (6845)

24 "lower limb"/ (15078)

25 vascular\*.tw. (798977)

26 dysvascular\*.tw. (270)

27 exp "Vascular Surgery"/ (442769)

28 exp "Vascular Disease"/ (2359700)

29 (peripheral adj3 ("arter\* disease\*" or "arter\* disorder\*" or arteriopath\*)).tw. (22290)

30 "limb\* threat\*".tw. (1723)

31 ((leg\* or limb\* or peripheral) adj3 isch?emi\*).tw. (20995)

32 PVD.tw. (4002)

33 PAOD.tw. (1230)

34 (peripheral adj3 ("vascul\* disorder\*" or "vascul\* disease\*")).tw. (14328)

35 CLI.tw. (4204)

36 (ulcer\* adj3 (arter\* or vascular\*)).tw. (2062)

37 Ischemia/ (77155)

38 "Peripheral Ischemia"/ (934)

39 "Leg Ischemia"/ (6107)

40 ALI.tw. (11904)

41 ulcer\*.tw. (254945)

42 diabet\*.tw. (893260)

43 atherosclero\*.tw. (199411)

44 arteriosclero\*.tw. (15582)

45 claudic\*.tw. (14191)

46 ((arter\* or vascular) adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (184353)

47 (limb\* adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (5473)

48 (leg\* adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (4337)

49 (peripheral adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (22852)

50 ("lower extremit\*" adj3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis)).tw. (2707)

51 Gangrene/ (9763)

52 gangren\*.tw. (18326)

53 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 (197708)

54 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 (1048226)

55 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 (3903577)

56 epidemiolog\*.mp. (1504866)

57 inciden\*.mp. (1328417)

58 prevalen\*.mp. (1170777)

59 frequenc\*.mp. (1238143)

60 (rate\* adj3 (occur\* or population\*)).mp. (43835)

61 exp epidemiology/ (3268751)

62 epidemiological data/ (31787)

63 health survey/ (188176)

64 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 (5759910)

65 exp United Kingdom/ (408634)

66 (national health service\* or nhs\*).ti,ab,in,ad. (331006)

67 (english not ((published or publication\* or translat\* or written or language\* or speak\* or literature or citation\*) adj5 english)).ti,ab. (40875)

68 (gb or "g.b." or britain\* or (british\* not "british columbia") or uk or "u.k." or united kingdom\* or (england\* not "new england") or northern ireland\* or northern irish\* or scotland\* or scottish\* or ((wales or "south wales") not "new south wales") or welsh\*).ti,ab,jx,in,ad. (3065651)

69 (bath or "bath's" or ((birmingham not alabama\*) or ("birmingham's" not alabama\*) or bradford or "bradford's" or brighton or "brighton's" or bristol or "bristol's" or carlisle\* or "carlisle's" or (cambridge not (massachusetts\* or boston\* or harvard\*)) or ("cambridge's" not (massachusetts\* or boston\* or harvard\*)) or (canterbury not zealand\*) or ("canterbury's" not zealand\*) or chelmsford or "chelmsford's" or chester or "chester's" or chichester or "chichester's" or coventry or "coventry's" or derby or "derby's" or (durham not (carolina\* or nc)) or ("durham's" not (carolina\* or nc)) or ely or "ely's" or exeter or "exeter's" or gloucester or "gloucester's" or hereford or "hereford's" or hull or "hull's" or lancaster or "lancaster's" or leeds\* or leicester or "leicester's" or (lincoln not nebraska\*) or ("lincoln's" not nebraska\*) or (liverpool not (new south wales\* or nsw)) or ("liverpool's" not (new south wales\* or nsw)) or ((london not (ontario\* or ont or toronto\*)) or ("london's" not (ontario\* or ont or toronto\*)) or manchester or "manchester's" or (newcastle not (new south wales\* or nsw)) or ("newcastle's" not (new south wales\* or nsw)) or norwich or "norwich's" or nottingham or "nottingham's" or oxford or "oxford's" or peterborough or "peterborough's" or plymouth or "plymouth's" or portsmouth or "portsmouth's" or preston or "preston's" or ripon or "ripon's" or salford or "salford's" or salisbury or "salisbury's" or sheffield or "sheffield's" or southampton or "southampton's" or st albans or stoke or "stoke's" or sunderland or "sunderland's" or truro or "truro's" or wakefield or "wakefield's" or wells or westminster or "westminster's" or winchester or "winchester's" or wolverhampton or "wolverhampton's" or (worcester not (massachusetts\* or boston\* or harvard\*)) or ("worcester's" not (massachusetts\* or boston\* or harvard\*)) or (york not ("new york\*" or ny or ontario\* or ont or toronto\*)) or ("york's" not ("new york\*" or ny or ontario\* or ont or toronto\*))))).ti,ab,in,ad. (2353624)

70 (bangor or "bangor's" or cardiff or "cardiff's" or newport or "newport's" or st asaph or "st asaph's" or st davids or swansea or "swansea's").ti,ab,in,ad. (95988)

71 (aberdeen or "aberdeen's" or dundee or "dundee's" or edinburgh or "edinburgh's" or glasgow or "glasgow's" or inverness or (perth not australia\*) or ("perth's" not australia\*) or stirling or "stirling's").ti,ab,in,ad. (325298)

72 (armagh or "armagh's" or belfast or "belfast's" or lisburn or "lisburn's" or londonderry or "londonderry's" or derry or "derry's" or newry or "newry's").ti,ab,in,ad. (43503)

73 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 (3734952)

74 (exp "arctic and antarctic"/ or exp oceanic regions/ or exp western hemisphere/ or exp africa/ or exp asia/ or exp "australia and new zealand"/) not (exp united kingdom/ or europe/) (2982458)

75 73 not 74 (3529253)

76 exp experimental organism/ (680593)

77 animal tissue/ (1318352)

78 animal cell/ (1463534)

79 exp animal disease/ (266885)

80 exp carnivore disease/ (46201)

81 exp bird/ (220421)

82 exp experimental animal welfare/ (3098)

83 exp animal husbandry/ (49846)

84 animal behavior/ (81143)

85 exp animal cell culture/ (12292)

86 exp mammalian disease/ (159889)

87 exp mammal/ (23800499)

88 exp marine species/ (6729)

89 nonhuman/ (5993421)

90 animal.hw. (5252369)

91 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 (26618565)

92 91 not human/ (6463716)

93 53 and 54 and 55 and 64 and 75 (900)

94 93 not 92 (896)

95 limit 94 to yr="2009 - 2020" (585)

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### **Database: CINAHL**

Search Strategy:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Query** | **Limiters/Expanders** | **Last Run Via** | **Results** |
| S1 | TI amput\* OR AB amput\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 10,891 |
| S2 | TI disarticulat\* OR AB disarticulat\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 335 |
| S3 | TI prosthe\* OR AB prosthe\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 19,654 |
| S4 | TI ( artificial W1 (limb\* OR leg\*) ) OR AB ( artificial W1 (limb\* OR leg\*) ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 100 |
| S5 | (MH "Amputees") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 2,691 |
| S6 | (MH "LIMB PROSTHESIS") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 2,183 |
| S7 | (MH "Amputation+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 7,424 |
| S8 | TI LEA OR AB LEA | Expanders - Apply equivalent subjects | Interface - EBSCOhost Research Databases Search Screen - Advanced | 386 |

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| --- | --- | --- | --- | --- |
|  |  | Search modes - Boolean/Phrase | Search  Database - CINAHL |  |
| S9 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 31,971 |
| S10 | TI "lower limb\*" OR AB "lower limb\*" | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 12,988 |
| S11 | TI "lower extremit\*" OR AB "lower extremit\*" | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 15,723 |
| S12 | TI leg\* OR AB leg\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 96,668 |
| S13 | TI ( (above OR below OR through) N3 knee\* ) OR AB ( (above OR below OR through) N3 knee\* ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,899 |
| S14 | TI "trans-tibial" OR AB "trans-tibial" | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 107 |
| S15 | TI transtibial OR AB transtibial | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,189 |
| S16 | TI knee\* OR AB knee\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 56,084 |
| S17 | TI hip\* OR AB hip\* | Expanders - Apply equivalent subjects | Interface - EBSCOhost Research Databases | 66,438 |

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| --- | --- | --- | --- | --- |
|  |  | Search modes -  Boolean/Phrase | Search Screen - Advanced  Search |  |
|  |  |  | Database - CINAHL |  |
| S18 | TI thigh\* OR AB thigh\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 5,640 |
| S19 | TI "trans-femoral" OR AB "trans-femoral" | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 86 |
| S20 | TI transfemoral OR AB transfemoral | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,408 |
| S21 | TI "trans-pelvic" OR AB "trans-pelvic" | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 0 |
| S22 | TI transpelvic OR AB transpelvic | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 9 |
| S23 | (MH "Hip/SU") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 47 |
| S24 | (MH "Knee/SU") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 0 |
| S25 | (MH "Leg/SU") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 485 |
| S26 | (MH "Thigh/SU") | Expanders - Apply | Interface - EBSCOhost | 133 |

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| --- | --- | --- | --- | --- |
|  |  | equivalent subjects Search modes -  Boolean/Phrase | Research Databases Search Screen - Advanced  Search |  |
|  |  |  | Database - CINAHL |  |
| S27 | (MH "Lower Extremity/SU") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 822 |
| S28 | S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 225,981 |
| S29 | TI vascular\* OR AB vascular\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 69,127 |
| S30 | TI dysvascular\* OR AB dysvascular\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 139 |
| S31 | TI ( peripheral N3 ("arter\* disease\*" OR "arter\* disorder\*" OR arteriopath\*) ) OR AB ( peripheral N3 ("arter\* disease\*" OR "arter\* disorder\*" OR arteriopath\*) ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 3,943 |
| S32 | TI (limb\* N1 threat\*) OR AB (limb\* N1 threat\*) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 371 |
| S33 | TI ( ((leg\* OR limb\* OR peripheral) N3 ischemi\*) OR (leg\* OR limb\* OR peripheral) N3 ischaemi\*)) OR AB ( ((leg\* OR limb\* OR peripheral) N3 ischemi\*) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 2,280 |

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| --- | --- | --- | --- | --- |
|  | OR (leg\* OR limb\* OR peripheral) N3 ischaemi\*)) |  |  |  |
| S34 | TI PVD OR AB PVD | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 402 |
| S35 | TI PAOD OR AB PAOD | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 103 |
| S36 | TI ( peripheral N3 ("vascul\* disorder\*" OR "vascul\* disease\*") ) OR AB ( peripheral N3 ("vascul\* disorder\*" OR "vascul\* disease\*") ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,962 |
| S37 | TI CLI OR AB CLI | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 396 |
| S38 | TI ( ulcer\* N3 (arter\* OR vascular\*) ) OR AB ( ulcer\* N3 (arter\* OR vascular\*) ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 511 |
| S39 | TI ALI OR AB ALI | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,512 |
| S40 | TI ulcer\* OR AB ulcer\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 32,901 |
| S41 | TI diabet\* OR AB diabet\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 173,481 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S42 | TI atherosclero\* OR AB atherosclero\* | Expanders - Apply equivalent subjects Search modes -  Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced  Search | 20,830 |
|  |  |  | Database - CINAHL |  |
| S43 | TI arteriosclero\* OR AB arteriosclero\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 679 |
| S44 | TI claudic\* OR AB claudic\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,750 |
| S45 | TI ( (arter\* OR vascular) N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) OR AB ( (arter\* OR vascular) N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 20,456 |
| S46 | TI ( limb\* N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) OR AB ( limb\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 762 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) |  |  |  |
| S47 | TI ( leg\* N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) OR AB ( leg\* N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 994 |
| S48 | TI ( peripheral N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) OR AB ( peripheral N3 (occlus\* OR reocclus\* OR "re‐ occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 2,700 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) |  |  |  |
| S49 | TI ( "lower extremit\*" N3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) OR AB ( "lower extremit\*" N3 (occlus\* OR reocclus\* OR "reocclus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis) ) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 346 |
| S50 | TI gangren\* OR AB gangren\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 2,044 |
| S51 | (MH "VASCULAR SURGERY+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 26,829 |
| S52 | (MH "VASCULAR DISEASES+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 349,701 |
| S53 | (MH "ISCHEMIA") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 6,485 |
| S54 | (MH "GANGRENE") | Expanders - Apply | Interface - EBSCOhost | 701 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | equivalent subjects Search modes -  Boolean/Phrase | Research Databases Search Screen - Advanced  Search |  |
|  |  |  | Database - CINAHL |  |
| S55 | S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53 OR S54 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 575,685 |
| S56 | TX epidemiolog\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 542,813 |
| S57 | TX inciden\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 210,598 |
| S58 | TX prevalen\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 220,384 |
| S59 | TX frequenc\* | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 132,099 |
| S60 | TX (rate\* N3 (occur\* OR population\*)) | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 10,573 |
| S61 | (MH "EPIDEMIOLOGY+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 635,204 |
| S62 | (MH "INCIDENCE") | Expanders - Apply equivalent subjects | Interface - EBSCOhost Research Databases | 62,878 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Search modes -  Boolean/Phrase | Search Screen - Advanced  Search |  |
|  |  |  | Database - CINAHL |  |
| S63 | (MH "PREVALENCE") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 83,560 |
| S64 | (MH "EPIDEMIOLOGICAL RESEARCH+") | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 27,901 |
| S65 | S56 OR S57 OR S58 OR S59 OR S60 OR S61 OR S62 OR S63 OR S64 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,192,649 |
| S66 | S9 AND S28 AND S55 AND S65 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,031 |
| S67 | MH animals+ | Limiters - Published Date: 20090101-  20201231  Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 58,194 |
| S68 | MH (animal studies) | Limiters - Published Date: 20090101-  20201231  Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 86,943 |
| S69 | TI (animal model\*) | Limiters - Published Date: 20090101-  20201231  Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 2,141 |
| S70 | S67 OR S68 OR S69 | Expanders - Apply | Interface - EBSCOhost | 141,713 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | equivalent subjects Search modes -  Boolean/Phrase | Research Databases Search Screen - Advanced  Search |  |
|  | Database - CINAHL |
| S71 | S66 NOT S70 | Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 1,025 |
| S72 | S66 NOT S70 | Limiters - Published Date: 20090101-  20201231  Expanders - Apply equivalent subjects Search modes - Boolean/Phrase | Interface - EBSCOhost Research Databases Search Screen - Advanced Search  Database - CINAHL | 690 |

### **Database: Cochrane Library**

Search Strategy:

ID Search Hits

#1 amput\* 3156

#2 disarticulat\* 39

#3 prosthe\* 14698

#4 artificial NEXT (limb\* or leg\*) 162

#5 LEA 415

#6 MeSH descriptor: [Amputees] this term only 107

#7 MeSH descriptor: [Amputation] explode all trees 422

#8 MeSH descriptor: [Artificial Limbs] this term only 141

#9 [OR #1-#8] 17711

#10 "lower limb" OR "lower limbs" 8801

#11 "lower extremity" OR "lower extremities" 7011

#12 leg\* 35011

#13 ((above or below or through) NEAR/3 knee\*) 1160

#14 "trans-tibial" 49

#15 transtibial 263

#16 knee\* 28100

#17 hip\* 30315

#18 thigh\* 3998

#19 "trans-femoral" 48

#20 transfemoral 592

#21 "trans-pelvic" 0

#22 transpelvic 3

#23 MeSH descriptor: [Hip] this term only 403

#24 MeSH descriptor: [Knee] this term only 765

#25 MeSH descriptor: [Leg] this term only 2886

#26 MeSH descriptor: [Thigh] this term only 460

#27 MeSH descriptor: [Lower Extremity] explode all trees 6900

#28 [OR #10-#27] 93386

#29 vascular\* 52059

#30 dysvascular\* 74

#31 MeSH descriptor: [Vascular Surgical Procedures] explode all trees 14772

#32 MeSH descriptor: [Vascular Diseases] explode all trees 74765

#33 peripheral NEAR/3 ("artery disease" OR "arterial disease" OR "artery disorder" OR "arterial disorder" OR arteriopath\*) 3523

#34 "limb threat" 2

#35 (leg\* or limb\* or peripheral) NEAR/3 isch?emi\* 2318

#36 PVD 13028

#37 PAOD 227

#38 peripheral NEAR/3 ("vascular disorder" OR "vascular disorders" OR "vascular disease" OR "vascular diseases") 2377

#39 CLI 535

#40 ulcer\* NEAR/3 (arter\* OR vascular\*) 292

#41 MeSH descriptor: [Ischemia] this term only 1713

#42 ALI 5055

#43 ulcer\* 26852

#44 diabet\* 92003

#45 atherosclero\* 13572

#46 arteriosclero\* 2802

#47 claudic\* 2542

#48 (arter\* or vascular) NEAR/3 (occlus\* or reocclus\* or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis) 13751

#49 limb\* NEAR/3 (occlus\* or reocclus\* or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis) 723

#50 leg\* NEAR/3 (occlus\* or reocclus\* or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis) 551

#51 peripheral NEAR/3 (occlus\* or reocclus\* or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis) 3610

#52 ("lower extremity" OR "lower extremities") NEAR/3 (occlus\* or reocclus\* or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis) 268

#53 gangren\* 769

#54 MeSH descriptor: [Gangrene] this term only 70

#55 [OR #29 - #54] 240320

#56 epidemiolog\* 72616

#57 inciden\* 122718

#58 prevalen\* 47943

#59 frequenc\* 80831

#60 rate\* NEAR/3 (occur\* or population\*) 4023

#61 MeSH descriptor: [Epidemiology] explode all trees 47

#62 MeSH descriptor: [Incidence] this term only 9858

#63 MeSH descriptor: [Prevalence] this term only 4841

#64 MeSH descriptor: [Epidemiologic Methods] explode all trees 405014

#65 MeSH descriptor: [Epidemiologic Studies] explode all trees 151650

#66 [OR #56 - #65] 576460

#67 #9 AND #28 AND #55 AND #66 with Publication Year from 2009 to 2019, with Cochrane Library publication date Between Jan 2009 and Jan 2019, in Trials 361

### **Database: AMED**

Search Strategy:

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Database** | **Search term** | **Results** |
| 1 | AMED | AMPUTATION/ | 2197 |
| 2 | AMED | "AMPUTATION STUMPS"/ | 123 |
| 3 | AMED | exp PROSTHESIS/ | 1955 |
| 4 | AMED | (amput\*).ti,ab | 2641 |
| 5 | AMED | (disarticulat\*).ti,ab | 138 |
| 6 | AMED | (prosthe\*).ti,ab | 2759 |
| 7 | AMED | (artificial ADJ (limb\* OR leg\*)).ti,ab | 43 |
| 8 | AMED | (LEA).ti,ab | 20 |
| 9 | AMED | (1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7 OR 8) | 5260 |
| 10 | AMED | ("lower limb\*").ti,ab | 3143 |
| 11 | AMED | ("lower extremit\*").ti,ab | 3441 |
| 12 | AMED | (leg\*).ti,ab | 8679 |
| 13 | AMED | ((above OR below OR through) ADJ3 knee\*).ti,ab | 525 |
| 14 | AMED | ("trans-tibial").ti,ab | 159 |
| 15 | AMED | (transtibial).ti,ab | 446 |
| 16 | AMED | (knee\*).ti,ab | 10846 |
| 17 | AMED | (hip\*).ti,ab | 6708 |
| 18 | AMED | (thigh\*).ti,ab | 856 |
| 19 | AMED | ("trans-femoral").ti,ab | 69 |
| 20 | AMED | (transfemoral).ti,ab | 270 |
| 21 | AMED | ("trans-pelvic").ti,ab | 0 |
| 22 | AMED | (transpelvic).ti,ab | 1 |
| 23 | AMED | THIGH/ | 207 |
| 24 | AMED | KNEE/ | 1599 |
| 25 | AMED | HIP/ | 909 |
| 26 | AMED | LEG/ | 5036 |
| 27 | AMED | (10 OR 11 OR 12 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20 OR 21 OR 22 OR 23 OR 24 OR 25 OR 26) | 28326 |
| 28 | AMED | (vascular\*).ti,ab | 2118 |
| 29 | AMED | (dysvascular\*).ti,ab | 63 |
| 30 | AMED | "VASCULAR SURGERY"/ | 20 |
| 31 | AMED | exp "VASCULAR DISEASE"/ | 13067 |
| 32 | AMED | (peripheral ADJ3 ("arter\* disease\*" OR "arter\* disorder\*" OR arteriopath\*)).ti,ab | 133 |
| 33 | AMED | ("limb\* threat\*").ti,ab | 32 |
| 34 | AMED | ((leg\* OR limb\* OR peripheral) ADJ3 isch?emi\*).ti,ab | 72 |
| 35 | AMED | (PVD).ti,ab | 13 |
| 36 | AMED | (PAOD).ti,ab | 10 |
| 37 | AMED | (peripheral ADJ3 ("vascul\* disorder\*" OR "vascul\* disease\*")).ti,ab | 152 |
| 38 | AMED | (CLI).ti,ab | 1 |
| 39 | AMED | (ulcer\* ADJ3 (arter\* OR vascular\*)).ti,ab | 14 |
| 40 | AMED | (ALI).ti,ab | 52 |
| 41 | AMED | (ulcer\*).ti,ab | 2267 |
| 42 | AMED | (diabet\*).ti,ab | 5359 |
| 43 | AMED | (atherosclero\*).ti,ab | 471 |
| 44 | AMED | (arteriosclero\*).ti,ab | 68 |
| 45 | AMED | (claudic\*).ti,ab | 160 |
| 46 | AMED | ((arter\* OR vascular) ADJ3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis)).ti,ab | 455 |
| 47 | AMED | (limb\* ADJ3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis)).ti,ab | 81 |
| 48 | AMED | (leg\* ADJ3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis)).ti,ab | 78 |
| 49 | AMED | (peripheral ADJ3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis)).ti,ab | 128 |
| 50 | AMED | ("lower extremit\*" ADJ3 (occlus\* OR reocclus\* OR "re‐occlus\*" OR steno\* OR restenos\* OR obstruct\* OR lesio\* OR block\* OR harden\* OR stiffen\* OR obliter\* OR calcificat\* OR restrict\* OR narrow\* OR block\* OR insufficien\* OR sclerosis)).ti,ab | 45 |
| 51 | AMED | (gangren\*).ti,ab | 92 |
| 52 | AMED | (28 OR 29 OR 30 OR 31 OR 32 OR 33 OR 34 OR 35 OR 36 OR 37 OR 38 OR 39 OR 40 OR 41 OR 42 OR 43 OR 44 OR 45 OR 46 OR 47 OR 48 OR 49 OR 50 OR 51) | 21019 |
| 53 | AMED | (epidemiolog\*).af | 6512 |
| 54 | AMED | (inciden\*).af | 4727 |
| 55 | AMED | (prevalen\*).af | 5486 |
| 56 | AMED | (frequenc\*).af | 7273 |
| 57 | AMED | (rate\* ADJ3 (occur\* OR population\*)).af | 364 |
| 58 | AMED | EPIDEMIOLOGY/ | 4880 |
| 59 | AMED | (53 OR 54 OR 55 OR 56 OR 57 OR 58) | 21072 |
| 60 | AMED | (9 AND 27 AND 52 AND 59) | 86 |
| 61 | AMED | 60 [DT FROM 2009] | 25 |

### **Database: Scopus**

Search Strategy:

List version:

1 amput\*

2 disarticulat\*

3 prosthe\*

4 (artificial w/ (limb\* or leg\*))

5 LEA

6 #1 OR #2 OR #3 OR #4 OR #5

7 "lower limb\*"

8 "lower extremit\*"

9 leg\*

10 ((above OR below OR through) w/3 knee\*)

11 "trans-tibial"

12 transtibial

13 knee\*

14 hip\*

15 thigh\*

16 "trans-femoral"

17 transfemoral

18 "trans-pelvic"

19 transpelvic

20 #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19

21 vascular\*

22 dysvascular\*

23 (peripheral w/3 ("arter\* disease\*" or "arter\* disorder\*" or arteriopath\*))

24 "limb\* threat\*"

25 ((leg\* or limb\* or peripheral) w/3 isch?emi\*)

26 PVD

27 PAOD

28 (peripheral w/3 ("vascul\* disorder\*" or "vascul\* disease\*"))

29 CLI

30 (ulcer\* w/3 (arter\* or vascular\*))

31 ALI

32 ulcer\*

33 diabet\*

34 atherosclero\*

35 claudic\*

36 ((arter\* or vascular) w/3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis))

37 (limb\* w/3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis))

38 (leg\* w/3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis))

39 (peripheral w/3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis))

40 ("lower extremit\*" w/3 (occlus\* or reocclus\* or "re‐occlus\*" or steno\* or restenos\* or obstruct\* or lesio\* or block\* or harden\* or stiffen\* or obliter\* or calcificat\* or restrict\* or narrow\* or block\* or insufficien\* or sclerosis))

41 gangren\*

42 #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41

43 epidemiolog\*

44 inciden\*

45 prevalen\*

46 frequenc\*

47 (rate\* w/3 (occur\* or population\*))

48 #43 OR #44 OR #45 OR #46 OR #47

49 #6 AND #20 AND #42 AND #49

50 #49 PUBYEAR > 2008 AND (LIMIT-TO (LANGUAGE, ”ENGLISH”))

String version:

( ( TITLE-ABS-KEY ( amput\* ) )  OR  ( TITLE-ABS-KEY ( disarticulat\* ) )  OR  ( TITLE-ABS-KEY ( prosthe\* ) )  OR  ( TITLE-ABS-KEY ( ( artificial  W/  ( limb\*  OR  leg\* ) ) ) )  OR  ( TITLE-ABS-KEY ( lea ) ) )

AND

( ( TITLE-ABS-KEY ( "lower limb\*" ) )  OR  ( TITLE-ABS-KEY ( "lower extremit\*" ) )  OR  ( TITLE-ABS-KEY ( leg\* ) )  OR  ( TITLE-ABS-KEY ( ( ( above  OR  below  OR  through )  W/3  knee\* ) ) )  OR  ( TITLE-ABS-KEY ( "trans-tibial" ) )  OR  ( TITLE-ABS-KEY ( transtibial ) )  OR  ( TITLE-ABS-KEY ( knee\* ) )  OR  ( TITLE-ABS-KEY ( hip\* ) )  OR  ( TITLE-ABS-KEY ( thigh\* ) )  OR  ( TITLE-ABS-KEY ( "trans-femoral" ) )  OR  ( TITLE-ABS-KEY ( transfemoral ) )  OR  ( TITLE-ABS-KEY ( "trans-pelvic" ) )  OR  ( TITLE-ABS-KEY ( transpelvic ) ) )

AND

( ( TITLE-ABS-KEY ( vascular\* ) )  OR  ( TITLE-ABS-KEY ( dysvascular\* ) )  OR  ( TITLE-ABS-KEY ( ( peripheral  W/3  ( "arter\* disease\*"  OR  "arter\* disorder\*"  OR  arteriopath\* ) ) ) )  OR  ( TITLE-ABS-KEY ( "limb\* threat\*" ) )  OR  ( TITLE-ABS-KEY ( ( ( leg\*  OR  limb\*  OR  peripheral )  W/3  isch?emi\* ) ) )  OR  ( TITLE-ABS-KEY ( pvd ) )  OR  ( TITLE-ABS-KEY ( paod ) )  OR  ( TITLE-ABS-KEY ( ( peripheral  W/3  ( "vascul\* disorder\*"  OR  "vascul\* disease\*" ) ) ) )  OR  ( TITLE-ABS-KEY ( cli ) )  OR  ( TITLE-ABS-KEY ( ( ulcer\*  W/3  ( arter\*  OR  vascular\* ) ) ) )  OR  ( TITLE-ABS-KEY ( ali ) )  OR  ( TITLE-ABS-KEY ( ulcer\* ) )  OR  ( TITLE-ABS-KEY ( diabet\* ) )  OR  ( TITLE-ABS-KEY ( atherosclero\* ) )  OR  ( TITLE-ABS-KEY ( claudic\* ) )  OR  ( TITLE-ABS-KEY ( ( ( arter\*  OR  vascular )  W/3  ( occlus\*  OR  reocclus\*  OR  "re‐occlus\*"  OR  steno\*  OR  restenos\*  OR  obstruct\*  OR  lesio\*  OR  block\*  OR  harden\*  OR  stiffen\*  OR  obliter\*  OR  calcificat\*  OR  restrict\*  OR  narrow\*  OR  block\*  OR  insufficien\*  OR  sclerosis ) ) ) )  OR  ( TITLE-ABS-KEY ( ( limb\*  W/3  ( occlus\*  OR  reocclus\*  OR  "re‐occlus\*"  OR  steno\*  OR  restenos\*  OR  obstruct\*  OR  lesio\*  OR  block\*  OR  harden\*  OR  stiffen\*  OR  obliter\*  OR  calcificat\*  OR  restrict\*  OR  narrow\*  OR  block\*  OR  insufficien\*  OR  sclerosis ) ) ) )  OR  ( TITLE-ABS-KEY ( ( leg\*  W/3  ( occlus\*  OR  reocclus\*  OR  "re‐occlus\*"  OR  steno\*  OR  restenos\*  OR  obstruct\*  OR  lesio\*  OR  block\*  OR  harden\*  OR  stiffen\*  OR  obliter\*  OR  calcificat\*  OR  restrict\*  OR  narrow\*  OR  block\*  OR  insufficien\*  OR  sclerosis ) ) ) )  OR  ( TITLE-ABS-KEY ( ( peripheral  W/3  ( occlus\*  OR  reocclus\*  OR  "re‐occlus\*"  OR  steno\*  OR  restenos\*  OR  obstruct\*  OR  lesio\*  OR  block\*  OR  harden\*  OR  stiffen\*  OR  obliter\*  OR  calcificat\*  OR  restrict\*  OR  narrow\*  OR  block\*  OR  insufficien\*  OR  sclerosis ) ) ) )  OR  ( TITLE-ABS-KEY ( ( "lower extremit\*"  W/3  ( occlus\*  OR  reocclus\*  OR  "re‐occlus\*"  OR  steno\*  OR  restenos\*  OR  obstruct\*  OR  lesio\*  OR  block\*  OR  harden\*  OR  stiffen\*  OR  obliter\*  OR  calcificat\*  OR  restrict\*  OR  narrow\*  OR  block\*  OR  insufficien\*  OR  sclerosis ) ) ) )  OR  ( TITLE-ABS-KEY ( gangren\* ) ) )

AND

( ( TITLE-ABS-KEY ( epidemiolog\* ) )  OR  ( TITLE-ABS-KEY ( inciden\* ) )  OR  ( TITLE-ABS-KEY ( prevalen\* ) )  OR  ( TITLE-ABS-KEY ( frequenc\* ) )  OR  ( TITLE-ABS-KEY ( ( rate\*  W/3  ( occur\*  OR  population\* ) ) ) ) )

PUBYEAR  >  2008  AND  ( LIMIT-TO ( LANGUAGE ,  "English" ) )