

Vascular Access Guideline Update 2018 Literature Search Strategy

Ovid MEDLINE

1. Renal Dialysis/
2. Hemodialysis, Home/
3. exp Renal Insufficiency, Chronic/
4. h?emodial*.ti,ab.
5. chronic kidney disease*.ti,ab.
6. "end stage kidney".ti,ab.
7. "end stage renal".ti,ab.
8. 1 or 2 or 3 or 4 or 5 or 6 or 7
9. Arteriovenous Fistula/
10. Arteriovenous Shunt, Surgical/
11. Blood Vessel Prosthesis/
12. ((arteriovenous or h?emodial* or dialysis or access) adj (graft* or fistula* or shunt)).ti,ab.
13. vascular access*.ti,ab.
14. catheters, indwelling/ or central venous catheters/
15. catheter*.ti,ab.
16. 14 or 15
17. 16 and 8
18. 9 or 10 or 11 or 12 or 13 or 17
19. 8 and 18
20. Mass Screening/
21. Regional Blood Flow/

22. exp Monitoring, Physiologic/
23. (monitor* or screen* or detect* or diagno* or surveillance or prevent* or prophyla*).ti.
24. 20 or 21 or 22 or 23
25. (dysfunction or infection* or complicat* or malfunction or stenosis or thrombosis or occlusion).ti.
26. 24 and 25
27. 18 and 26
28. exp *Graft Occlusion, Vascular/
29. (stenosis or thrombosis or infection* or complication* or dysfunction or malfunction).ti.
30. (angioplasty or thrombectomy).ti.
31. or/28-30
32. 18 and 31
33. 19 or 27 or 32
34. meta analysis as topic/
35. meta-analy\$.tw.
36. metaanaly\$.tw.
37. meta-analysis/
38. (systematic adj (review\$1 or overview\$1)).tw.
39. exp Review Literature as Topic/
40. or/34-39
41. cochrane.ab.
42. embase.ab.
43. (psychlit or psyclit).ab.
44. (psychinfor or psycinfo).ab.
45. or/41-44

46. reference list\$.ab.
47. bibliograph\$.ab.
48. hand search.ab.
49. relevant journals.ab.
50. manual search\$.ab.
51. or/46-50
52. selection criteria.ab.
53. data extraction.ab.
54. 52 or 53
55. review/
56. 54 and 55
57. comment/
58. letter/
59. editorial/
60. animal/
61. human/
62. 60 not (61 and 60)
63. or/57-59,62
64. 40 or 45 or 51 or 56
65. 64 not 63
66. randomized controlled trials as topic/
67. randomized controlled trial/
68. random allocation/
69. double blind method/

70. single blind method/
71. clinical trial/
72. clinical trial, phase i.pt.
73. clinical trial, phase ii.pt.
74. clinical trial, phase iii.pt.
75. clinical trial, phase iv.pt.
76. controlled clinical trial.pt.
77. randomized controlled trial.pt.
78. multicenter study.pt.
79. clinical trial.pt.
80. exp Clinical trials as topic/
81. or/66-80
82. (clinical adj trial\$.tw.
83. ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw.
84. placebos/
85. placebo\$.tw.
86. randomly allocated.tw.
87. (allocated adj2 random\$.tw.
88. 82 or 83 or 84 or 85 or 86 or 87
89. 81 or 88
90. case report.tw.
91. case report.tw.
92. letter/
93. historical article/

94. 90 or 91 or 92 or 93

95. 89 not 94

96. exp cohort studies/

97. cohort\$.tw.

98. (histor* adj control*).ti,ab.

99. Intervention Studies/

100. observational study/

101. controlled clinical trial.pt.

102. 96 or 97 or 98 or 99 or 100 or 101

103. 65 or 95 or 102

104. 33 and 103

105. limit 104 to "all child (0 to 18 years)"

106. limit 105 to "all adult (19 plus years)"

107. 104 not 105

108. 106 or 107

109. limit 108 to (addresses or autobiography or bibliography or biography or case reports or comment or congresses or dataset or dictionary or directory or editorial or in vitro or interactive tutorial or interview or lectures or legal cases or legislation or letter or news or newspaper article or patient education handout or periodical index or portraits or twin study or validation studies or video-audio media or webcasts)

110. 108 not 109

111. limit 110 to yr="2001 -Current"

112. limit 111 to english language

Ovid EMBASE

1. *renal replacement therapy/

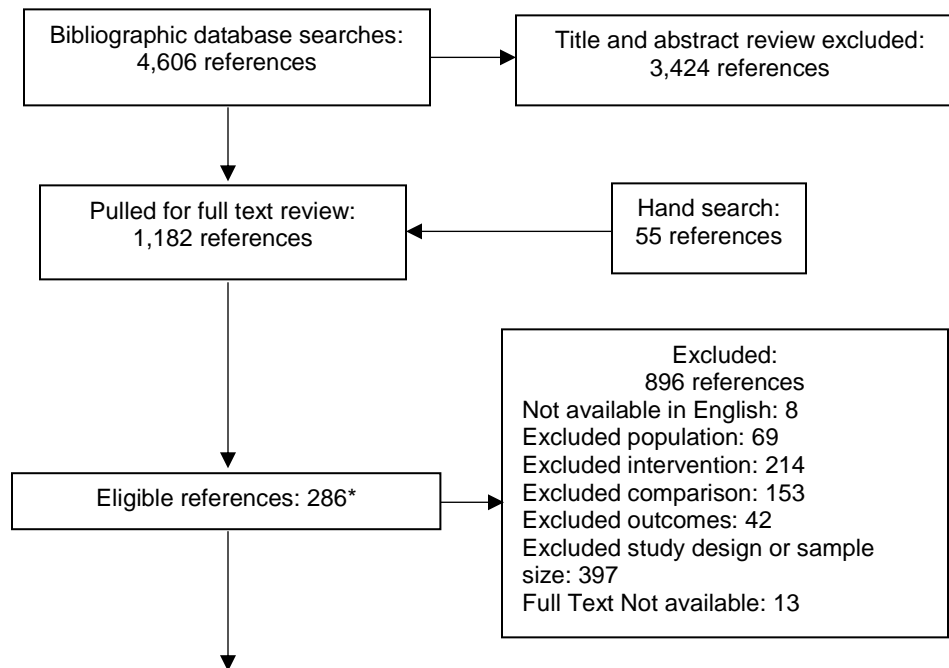
2. hemodialysis/
3. exp home dialysis/
4. exp continuous hemodialysis/
5. kidney failure/ or end stage renal disease/ or moderate renal impairment/ or renal replacement therapy-dependent renal disease/ or severe renal impairment/
6. end stage renal.ti,ab.
7. end stage kidney.ti,ab.
8. chronic kidney disease.ti,ab.
9. h?emodial*.ti,ab.
10. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9
11. arteriovenous fistula/ or kidney arteriovenous fistula/
12. arteriovenous shunt/
13. blood vessel prosthesis/
14. vascular access/
15. ((arteriovenous or h?emodial* or dialysis or access) adj (graft* or fistula* or shunt)).ti,ab.
16. vascular access*.ti,ab.
17. exp indwelling catheter/
18. exp central venous catheter/
19. 17 or 18
20. 10 and 19
21. 11 or 12 or 13 or 14 or 15 or 16 or 20
22. 10 and 21
23. (monitor* or screen* or detect* or diagno* or surveillance or prevent* or prophyla*).ti.
24. (dysfunction or infection* or complicat* or malfunction or stenosis or thrombosis or occlusion).ti.

25. 23 and 24
26. 22 and 25
27. exp graft dysfunction/
28. (stenosis or thrombosis or infection* or complication* or dysfunction or malfunction).ti.
29. (angioplasty or thrombectomy).ti.
30. 27 or 28 or 29
31. 22 and 30
32. 22 or 26 or 31
33. exp review/
34. (literature adj3 review\$).ti,ab.
35. exp meta analysis/
36. exp "Systematic Review"/
37. 33 or 34 or 35 or 36
38. (medline or embase or pubmed or cinahl or amed or psychlit or psychinfo or scisearch or cochrane).ti,ab.
39. retracted article/
40. 38 or 39
41. 37 and 40
42. (systematic\$ adj2 (review\$ or overview)).ti,ab.
43. (meta?anal\$ or meta anal\$ or metaanal\$ or metanal\$).ti,ab.
44. 35 or 36 or 38 or 42 or 43
45. Clinical trial/
46. Randomized controlled trial/
47. Randomization/
48. Single blind procedure/

49. Double blind procedure/
50. Crossover procedure/
51. Placebo/
52. Randomized controlled trial\$.tw.
53. Rct.tw.
54. Random allocation.tw.
55. Randomly allocated.tw.
56. Allocated randomly.tw.
57. (allocated adj2 random).tw.
58. 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57
59. Case study/
60. Case report.tw.
61. Abstract report/ or letter/
62. 59 or 60 or 61
63. 58 not 62
64. Clinical study/
65. longitudinal study/
66. prospective study/
67. cohort analysis/
68. (cohort adj stud*).mp.
69. (observational adj stud*).mp.
70. 64 or 65 or 66 or 67 or 68 or 69
71. 44 or 63 or 70
72. 32 and 71

- 73. limit 72 to child
- 74. limit 73 to adult <18 to 64 years>
- 75. 72 not 73
- 76. 74 or 75
- 77. limit 76 to (book or book series or conference abstract or conference paper or conference proceeding or "conference review" or editorial or erratum or letter or note or short survey or trade journal)
- 78. 76 not 77
- 79. limit 78 to yr="2001 -Current"
- 80. limit 79 to English language

Literature Search Flow Diagram



Timing, Selection, and Placement: 148
Catheter Complications: 90

Fistula/Graft Complications: 49
(Monitoring: 9)
(Prevention: 22)
(Treatment: 16)

*One reference was eligible for both the Timing, Selection, and Placement section and the Fistula/Graft Complications section