

## Appendix D. Excluded Studies

<b>Reason for Exclusion*</b>
<b>E1.</b> Study Aim
<b>E2.</b> Setting <b>E2a.</b> Non-HDI country <b>E2b.</b> Screening and/or intervention is not conducted in, recruited from, or feasible for primary care
<b>E3.</b> Population <b>E3a.</b> Patients experience symptoms of AAA <b>E3b.</b> Patients with AAAs with an aortic diameter larger than 5.4 cm or smaller than 3.0 cm <b>E3c.</b> Patients with known or established CVD
<b>E4.</b> Outcome: No relevant outcomes
<b>E5.</b> Intervention <b>E5a.</b> Screening with physical examination, CT, or MRI <b>E5b.</b> Non-relevant treatment for small AAA
<b>E6.</b> Comparator: Not an included comparator (e.g., comparison of surveillance interval [KQ2], active intervention [KQ4,5])
<b>E7.</b> Study design: Not an included study design, which includes: KQ1,4= Case-control, cross-sectional, and cohort studies; editorials, letters, and opinions; cost studies; KQ2,3= Case-control and cross-sectional studies; editorials, letters, and opinions; cost studies
<b>E8.</b> Study Quality: Poor
<b>E9.</b> Publication type: Abstract-only, Non-English publication

\*Assigned at full-text phase.

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1. Anonymous. Population-Based Study of Incidence of Acute Abdominal Aortic Aneurysms With Projected Impact of Screening Strategy.[Erratum for J Am Heart Assoc. 2015 Aug;4(8):e001926; PMID: 26289347]. J Am Heart Assoc. 2015;4(10):e001992. PMID: 26486168. <https://dx.doi.org/10.1161/JAHA.115.001992> **KQ1E9, KQ2E9, KQ3E9,**
2. Bath MF, Sidloff D, Saratzis A, et al. Impact of abdominal aortic aneurysm screening on quality of life. *British Journal of Surgery*. 2018;105(3):203-8. PMID: 29405273. <https://dx.doi.org/10.1002/bjs.10721> **KQ1E1, KQ2E1, KQ3E7.**
3. Baxter BT, Matsumura J, Curci J, et al. Non-invasive Treatment of Abdominal Aortic Aneurysm Clinical Trial (N-TA(3)CT): Design of a Phase IIb, placebo-controlled, double-blind, randomized clinical trial of doxycycline for the reduction of growth of small abdominal aortic aneurysm. *Contemporary clinical trials*. 2016;48:91-8. PMID: 27018941. [10.1016/j.cct.2016.03.008](https://doi.org/10.1016/j.cct.2016.03.008) **KQ4E4, KQ5E4.**
4. Bergqvist D, Lindeman JH, Lindholt JS, et al. Antimicrobial treatment to impair expansion of abdominal aortic aneurysm (AAA): a systematic review of the clinical evidence. *Current vascular pharmacology*. 2013;11(3):288-92. PMID: 22724481. **KQ4E7, KQ5E7.**
5. Candell L, Tucker LY, Goodney P, et al. Early and delayed rupture after endovascular abdominal aortic aneurysm repair in a 10-year multicenter registry. *Journal of vascular surgery*. 2014;60(5):1146-52. PMID: 24957409. <https://dx.doi.org/10.1016/j.jvs.2014.05.046> **KQ4E3b, KQ5E3b.**
6. Chung C, Tadros R, Torres M, et al. Evolution of gender-related differences in outcomes from two decades of endovascular aneurysm repair. *Journal of vascular surgery*. 2015;61(4):843-52. PMID: 25595407. <https://dx.doi.org/10.1016/j.jvs.2014.11.006> **KQ4E3b, KQ5E3b.**
7. Cotter AR, Vuong K, Mustelin L, et al. Do psychological harms result from being labelled with an unexpected diagnosis of abdominal aortic aneurysm or prostate cancer through screening? A systematic review. *BMJ open*. 2017;7(12):e017565. PMID: 29237653. <https://dx.doi.org/10.1136/bmjopen-2017-017565> **KQ1E1, KQ2E1, KQ3E7.**
8. Dahl M, Sogaard R, Frost L, et al. Effectiveness of Screening Postmenopausal Women for Cardiovascular Diseases: A Population Based, Prospective Parallel Cohort Study. *European Journal of Vascular & Endovascular Surgery*. 2018;55(5):721-9. PMID: 29625727. <https://dx.doi.org/10.1016/j.ejvs.2018.02.034> **KQ1E7, KQ2E1, KQ3E1.**
9. Dalman RL, Xuan H, Wang W, et al. Angiotensin Receptor Blockers in Abdominal Aortic Aneurysm Management: Evidence Supporting the TEDY Trial. *Journal of vascular surgery*. 2016;64(2):539. PMID: 27763287. <https://dx.doi.org/10.1016/j.jvs.2016.05.009> **KQ4E1, KQ5E1.**
10. Davenport DL, Xenos ES. Deep venous thrombosis after repair of nonruptured abdominal aneurysm. *Journal of vascular surgery*. 2013;57(3):678-83.e1. PMID: 23343666. <https://dx.doi.org/10.1016/j.jvs.2012.09.048> **KQ4E3b, KQ5E3b.**
11. de Blic R, Alsac JM, Julia P, et al. Elective treatment of abdominal aortic aneurysm is reasonable in patients >85 years of age. *Annals of vascular surgery*. 2014;28(1):209-16. PMID: 24084274. <https://dx.doi.org/10.1016/j.avsg.2013.01.022> **KQ4E3b, KQ5E3b.**
12. Deery SE, O'Donnell TFX, Bodewes TCF, et al. Early reintervention after open and endovascular abdominal aortic aneurysm repair is associated with high mortality. *Journal of vascular surgery*. 2018;67(2):433-40.e1. PMID: 28943011. <https://dx.doi.org/10.1016/j.jvs.2017.06.104> **KQ4E1, KQ5E3b.**
13. Deery SE, Schermerhorn ML. Open versus endovascular abdominal aortic aneurysm repair in Medicare beneficiaries. *Surgery*. 2017;162(4):721-31. PMID: 28343694. <https://dx.doi.org/10.1016/j.surg.2017.01.022> **KQ4E3b, KQ5E3b.**
14. Deery SE, Soden PA, Zettervall SL, et al. Sex differences in mortality and morbidity following repair of intact abdominal aortic aneurysms. *Journal of vascular surgery*. 2017;65(4):1006-13. PMID: 27986477. <https://dx.doi.org/10.1016/j.jvs.2016.08.100> **KQ4E3b, KQ5E3b.**
15. Dua A, Ali F, Traudt E, et al. Utilization of the National Inpatient Sample for abdominal aortic aneurysm research. *Surgery*. 2017;162(4):699-706. PMID: 28237647. <https://dx.doi.org/10.1016/j.surg.2016.12.036> **KQ4E1, KQ5E1.**
16. Dua A, Kuy S, Lee CJ, et al. Epidemiology of aortic aneurysm repair in the United States from 2000 to 2010. *Journal of vascular surgery*. 2014;59(6):1512-7. PMID: 24560865. <https://dx.doi.org/10.1016/j.jvs.2014.01.007> **KQ4E7, KQ5E7.**
17. Dubois L, Novick TV, Harris JR, et al. Outcomes after endovascular abdominal aortic aneurysm repair are equivalent between genders despite anatomic differences in women. *Journal of vascular surgery*. 2013;57(2):382-9.e1. PMID: 23266281. <https://dx.doi.org/10.1016/j.jvs.2012.09.075> **KQ4E3b, KQ5E3b.**
18. Duwayri Y, Goss J, Knechtel W, et al. The Readmission Event after Vascular Surgery: Causes and Costs. *Annals of vascular surgery*. 2016;36:7-12. PMID: 27321981.

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- <https://dx.doi.org/10.1016/j.avsg.2016.02.024>  
**KQ4E3b, KQ5E3b.**
19. Ericsson A, Holst J, Gottsater A, et al. Psychosocial consequences in men taking part in a national screening program for abdominal aortic aneurysm. *J Vasc Nurs.* 2017;35(4):211-20. PMID: 29153229.  
<https://dx.doi.org/10.1016/j.jvn.2017.06.001>  
**KQ1E1, KQ2E1, KQ3E7.**
  20. Flink BJ, Long CA, Duwayri Y, et al. Women undergoing aortic surgery are at higher risk for unplanned readmissions compared with men especially when discharged home. *Journal of vascular surgery.* 2016;63(6):1496-504.e1. PMID: 27106246.  
<https://dx.doi.org/10.1016/j.jvs.2015.12.054>  
**KQ4E3b, KQ5E3b.**
  21. Hafez H, Druce PS, Ashton HA. Abdominal aortic aneurysm development in men following a "normal" aortic ultrasound scan. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery.* 2008;36(5):553-8. PMID: 18718773.  
**KQ1E4, KQ2E4, KQ3E4,**
  22. Hicks CW, Obeid T, Arhuidese I, et al. Abdominal aortic aneurysm repair in octogenarians is associated with higher mortality compared with nonoctogenarians. *Journal of vascular surgery.* 2016;64(4):956-65.e1. PMID: 27364946.  
<https://dx.doi.org/10.1016/j.jvs.2016.03.440>  
**KQ4E5b, KQ5E5b.**
  23. Hinterseher I, Kuffner H, Berth H, et al. Long-term quality of life of abdominal aortic aneurysm patients under surveillance or after operative treatment. *Annals of vascular surgery.* 2013;27(5):553-61. PMID: 23540664. **KQ4E6, KQ5E6.**
  24. Hoel AW, Faerber AE, Moore KO, et al. A pilot study for long-term outcome assessment after aortic aneurysm repair using Vascular Quality Initiative data matched to Medicare claims. *Journal of vascular surgery.* 2017;66(3):751-9.e1. PMID: 28222989.  
<https://dx.doi.org/10.1016/j.jvs.2016.12.100>  
**KQ4E3b, KQ5E3b.**
  25. Hughes K, Abdulrahman H, Prendergast T, et al. Abdominal aortic aneurysm repair in nonagenarians. *Annals of vascular surgery.* 2015;29(2):183-8. PMID: 25461753.  
<https://dx.doi.org/10.1016/j.avsg.2014.07.037>  
**KQ4E3b, KQ5E3b.**
  26. Hultgren R. Commentary on "Five Year Natural History of Screening Detected Sub-Aneurysms and Abdominal Aortic Aneurysms in 70 Year Old Women and Systematic Review of Repair Rate in Women". *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery.* 2017;53(6):810. PMID: 28420552.  
<https://dx.doi.org/10.1016/j.ejvs.2017.03.013>  
**KQ1E7, KQ2E7, KQ3E7,**
  27. Hye RJ, Inui TS, Anthony FF, et al. A multiregional registry experience using an electronic medical record to optimize data capture for longitudinal outcomes in endovascular abdominal aortic aneurysm repair. *Journal of vascular surgery.* 2015;61(5):1160-6. PMID: 25725597.  
<https://dx.doi.org/10.1016/j.jvs.2014.12.055>  
**KQ4E3b, KQ5E3b.**
  28. Jacomelli J, Summers L, Stevenson A, et al. Update on the prevention of death from ruptured abdominal aortic aneurysm. *Journal of medical screening.* 2017;24(3):166-8. PMID: 28756762.  
<https://dx.doi.org/10.1177/0969141316667409>  
**KQ1E4, KQ2E4, KQ3E4,**
  29. Karthikesalingam A, Bahia SS, Patterson BO, et al. The shortfall in long-term survival of patients with repaired thoracic or abdominal aortic aneurysms: retrospective case-control analysis of hospital episode statistics. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery.* 2013;46(5):533-41. PMID: 24091096.  
<https://dx.doi.org/10.1016/j.ejvs.2013.09.008>  
**KQ4E3b, KQ5E3b.**
  30. Khashram M, Thomson IA, Jones GT, et al. Abdominal aortic aneurysm repair in New Zealand: a validation of the Australasian Vascular Audit. *ANZ J Surg.* 2017;87(5):394-8. PMID: 27492991. <https://dx.doi.org/10.1111/ans.13702>  
**KQ4E3b, KQ5E3b.**
  31. Lederle FA. Does Abdominal Aortic Aneurysm Screening Save Lives? *JAMA Surgery.* 2016;151(8):697-8. PMID: 27119312.  
<https://dx.doi.org/10.1001/jamasurg.2016.0044>  
**KQ1E7, KQ2E7, KQ3E7,**
  32. Lee SY, Peacock MR, Farber A, et al. Perioperative Infections after Open Abdominal Aortic Aneurysm Repair Lead to Increased Risk of Subsequent Complications. *Annals of vascular surgery.* 2017;4:203-10. PMID: 28483623.  
<https://dx.doi.org/10.1016/j.avsg.2017.04.022>  
**KQ4E3b, KQ5E3b.**
  33. Lijftogt N, Vahl AC, Wilschut ED, et al. Adjusted Hospital Outcomes of Abdominal Aortic Aneurysm Surgery Reported in the Dutch Surgical Aneurysm Audit. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery.* 2017;53(4):520-32. PMID: 28256396.  
<https://dx.doi.org/10.1016/j.ejvs.2016.12.037>  
**KQ4E3b, KQ5E3b.**
  34. Lilja F, Mani K, Wanhainen A. Editor's Choice - Trend-break in Abdominal Aortic Aneurysm Repair With Decreasing Surgical Workload. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery.* 2017;53(6):811-9. PMID: 28392057.  
<https://dx.doi.org/10.1016/j.ejvs.2017.02.031>  
**KQ4E3b, KQ5E3b.**

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35. Lindholt JS, Vammen S, Fasting H, et al. Psychological consequences of screening for abdominal aortic aneurysm and conservative treatment of small abdominal aortic aneurysms. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*. 2000;20(1):79-83. PMID: 10906303. <https://doi.org/10.1053/ejvs.1999.1087> **KQ1E4, KQ2E4, KQ3E6,**
36. Locham S, Lee R, Nejm B, et al. Mortality after endovascular versus open repair of abdominal aortic aneurysm in the elderly. *J Surg Res*. 2017;215:153-9. PMID: 28688641. <https://dx.doi.org/10.1016/j.jss.2017.03.061> **KQ4E3b, KQ5E3b.**
37. Loftus I, Vascular Society of Great B, Ireland. National Vascular Registry Report on surgical outcomes and implications for vascular centres (Br J Surg 2014; 101: 637-642). *British Journal of Surgery*. 2014;101(6):642. PMID: 24723018. **KQ4E7, KQ5E7.**
38. Makrygiannis G, Labalue P, Ericum M, et al. Extending Abdominal Aortic Aneurysm Detection to Older Age Groups: Preliminary Results from the Liege Screening Programme. *Annals of vascular surgery*. 2016;36:55-63. PMID: 27364735. <https://dx.doi.org/10.1016/j.avsg.2016.02.034> **KQ1E4, KQ2E4, KQ3E4,**
39. Mani K, Bjorck M, Wanhainen A. Changes in the management of infrarenal abdominal aortic aneurysm disease in Sweden. *British Journal of Surgery*. 2013;100(5):638-44. PMID: 23334950. <https://dx.doi.org/10.1002/bjs.9046> **KQ4E3b, KQ5E3b.**
40. Matyal R, Shakil O, Hess PE, et al. Impact of gender and body surface area on outcome after abdominal aortic aneurysm repair. *Am J Surg*. 2015;209(2):315-23. PMID: 25457240. <https://dx.doi.org/10.1016/j.amjsurg.2014.07.008> **KQ4E3b, KQ5E3b.**
41. Mayor S. Women having surgery for abdominal aortic aneurysm are nearly twice as likely to die as men. *BMJ*. 2017;357:j2054. PMID: 28446431. <https://dx.doi.org/10.1136/bmj.j2054> **KQ4E9, KQ5E9.**
42. Morris DR, Cunningham MA, Ahimastos AA, et al. TEImisartan in the management of abDominal aortic aneurYsm (TEDY): The study protocol for a randomized controlled trial. *Trials*. 2015;16:274. PMID: 26081587. 10.1186/s13063-015-0793-z **KQ4E4, KQ5E4.**
43. Morris DR, Cunningham MA, Ahimastos AA, et al. Erratum to: 'TEImisartan in the management of abDominal aortic aneurYsm (TEDY): The study protocol for a randomized controlled trial'. [Erratum for *Trials*. 2015;16:274; PMID: 26081587]. *Trials [Electronic Resource]*. 2016;17:43. PMID: 26791257. <https://dx.doi.org/10.1186/s13063-016-1183-x> **KQ4E4, KQ5E4.**
44. Murohara T, Kureishi BY, Nishigami K, et al. Effects of angiotensin-II receptor blocker or calcium channel blocker on abdominal aortic aneurysm growth at presurgical stage. *European heart journal*. 2015;36:880-1. PMID: None. 10.1093/eurheartj/ehv401 **KQ4E9, KQ5E9.**
45. Myers J, McElrath M, Jaffe A, et al. A randomized trial of exercise training in abdominal aortic aneurysm disease. *Med Sci Sports Exerc*. 2014;46(1):2-9. PMID: 23793234. <https://dx.doi.org/10.1249/MSS.0b013e3182a088b8> **KQ4E5b, KQ5E5b.**
46. Nevidomskyte D, Shalhub S, Niten S, et al., editors. Influence of gender on abdominal aortic aneurysm repair in the community. *Annals of vascular surgery*. Conference: 25th annual winter meeting vascular and endovascular surgery society. United states; 2015; United States. KQ Search 20170914 - CENTRAL. **KQ4E9, KQ5E9.**
47. Nevidomskyte D, Shalhub S, Singh N, et al. Influence of Gender on Abdominal Aortic Aneurysm Repair in the Community. *Annals of vascular surgery*. 2017;39:128-36. PMID: 27575306. <https://dx.doi.org/10.1016/j.avsg.2016.06.012> **KQ4E3b, KQ5E3b.**
48. Park BD, Azefer NM, Huang CC, et al. Elective endovascular aneurysm repair in the elderly: trends and outcomes from the Nationwide Inpatient Sample. *Annals of vascular surgery*. 2014;28(4):798-807. PMID: 24189191. <https://dx.doi.org/10.1016/j.avsg.2013.07.029> **KQ4E3b, KQ5E3b.**
49. Powell JT. Prophylactic Abdominal Aortic Aneurysm Repair? Open Repair Brings Early Pain but Later Gain. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*. 2016;52(6):719-20. PMID: 27914533. <https://dx.doi.org/10.1016/j.ejvs.2016.07.008> **KQ4E7, KQ5E7.**
50. Qadura M, Pervaiz F, Harlock J, et al. Mortality and reintervention following elective abdominal aortic aneurysm repair. *Journal of vascular surgery*. 2013;57(6):1676-83. PMID: 23719040. **KQ4E3b, KQ5E3b.**
51. Quinn AA, Mehta M, Teymouri MJ, et al. The incidence and fate of endoleaks vary between ruptured and elective endovascular abdominal aortic aneurysm repair. *Journal of vascular surgery*. 2017;65(6):1617-24. PMID: 28268109. <https://dx.doi.org/10.1016/j.jvs.2016.10.092> **KQ4E3b, KQ5E3b.**
52. RESCAN Collaborators, Bown MJ, Sweeting MJ, et al. Surveillance intervals for small abdominal aortic aneurysms: a meta-analysis. *JAMA*. 2013;309(8):806-13. PMID: 23443444. **KQ1E4, KQ2E4, KQ3E4,**
53. Roddy SP. Abdominal aortic aneurysm screening. *Journal of vascular surgery*. 2017;65(5):1537. PMID: 28434598.

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- <https://dx.doi.org/10.1016/j.jvs.2017.02.021>  
**KQ1E7, KQ2E7, KQ3E7,**
54. Schmitz-Rixen T, Steffen M, Grundmann R. Treatment of abdominal aortic aneurysms (AAA) 2015: registry report from the German Institute of Vascular Healthcare Research (DIGG) of the German Society for Vascular Surgery and Vascular Medicine (DGG). *Gerasschirurgie*. 2017;1-9. PMID: None. 10.1007/s00772-017-0253-z **KQ4E9, KQ5E9.**
55. Sillesen H, Eldrup N, Hultgren R, et al. Randomized clinical trial of mast cell inhibition in patients with a medium-sized abdominal aortic aneurysm.[Erratum for *Br J Surg*. 2015 Jul;102(8):894-901; PMID: 25963302]. *British Journal of Surgery*. 2015;102(10):1295. PMID: 26267607. <https://dx.doi.org/10.1002/bjs.9917> **KQ4E9, KQ5E9.**
56. Sillesen H, Eldrup N, Hultgren R, et al. Randomized clinical trial of mast cell inhibition in patients with a medium-sized abdominal aortic aneurysm.[Erratum appears in *Br J Surg*. 2015 Sep;102(10):1295; PMID: 26267607], [Erratum appears in *Br J Surg*. 2016 Feb;103(3):308; PMID: 26785648]. *British Journal of Surgery*. 2015;102(8):894-901. PMID: 25963302. <https://dx.doi.org/10.1002/bjs.9824> **KQ4E9, KQ5E9.**
57. Stather P, Sidloff D, Dattani N, et al. Systematic review and meta-analysis of the early and late outcomes of open and endovascular repair of abdominal aortic aneurysm (Provisional abstract). *British Journal of Surgery*. 2013;100(7):863-72. PMID: None. **KQ4E7, KQ5E7.**
58. Takagi H, Umemoto T, Group A. A meta-analysis pooling survival curves in randomized controlled trials and propensity-score matched studies of endovascular versus open abdominal aortic aneurysm repair. *International journal of cardiology*. 2014;174(3):785-8. PMID: 24798785. **KQ4E3b, KQ5E3b.**
59. Tan TW, Eslami M, Rybin D, et al. Outcomes of endovascular and open surgical repair of ruptured abdominal aortic aneurysms in elderly patients. *Journal of vascular surgery*. 2017;66(1):64-70. PMID: 28216354. <https://dx.doi.org/10.1016/j.jvs.2016.10.119> **KQ4E3a, KQ5E3a.**
60. Tomee SM, Lijftogt N, Vahl A, et al. A registry-based rationale for discrete intervention thresholds for open and endovascular elective abdominal aortic aneurysm repair in female patients. *Journal of vascular surgery*. 2017;27:27. PMID: 28964619. **KQ4E3b, KQ5E3b.**
61. Trenner M, Haller B, Storck M, et al. Trends in Patient Safety of Intact Abdominal Aortic Aneurysm Repair: German Registry Data on 36,594 Procedures. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*. 2017;53(5):641-7. PMID: 28110907.
- <https://dx.doi.org/10.1016/j.jvs.2016.12.024>  
**KQ4E3b, KQ5E3b.**
62. Ulug P, Sweeting MJ, von Allmen RS, et al. Morphological suitability for endovascular repair, non-intervention rates, and operative mortality in women and men assessed for intact abdominal aortic aneurysm repair: systematic reviews with meta-analysis. *Lancet*. 2017;389(10088):2482-91. PMID: 28455148. [https://dx.doi.org/10.1016/S0140-6736\(17\)30639-6](https://dx.doi.org/10.1016/S0140-6736(17)30639-6) **KQ4E3b, KQ5E3b.**
63. van de Luijngaarden KM, Bastos Goncalves F, Hoeks SE, et al. Higher 30 Day Mortality in Patients with Familial Abdominal Aortic Aneurysm after EVAR. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*. 2017;54(2):142-9. PMID: 28579278. <https://dx.doi.org/10.1016/j.jvs.2017.04.018> **KQ4E3b, KQ5E3b.**
64. Wang GJ. Commentary on "Should Abdominal Aortic Aneurysms in Women Be Repaired at a Lower Diameter Threshold?". *Vascular & Endovascular Surgery*. 2017;1538574417723483. PMID: 28782416. <https://dx.doi.org/10.1177/1538574417723483> **KQ1E7, KQ2E7, KQ3E7,**
65. Wendt K, Kristiansen R, Krohg-Sorensen K, et al. Trends in Abdominal Aortic and Iliac Aneurysm Repairs in Norway from 2001 to 2013. *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*. 2016;51(2):194-201. PMID: 26482508. <https://dx.doi.org/10.1016/j.jvs.2015.08.015> **KQ4E4, KQ5E4.**
66. Yin K, Locham SS, Schermerhorn ML, et al. Trends of 30-day mortality and morbidities in endovascular repair of intact abdominal aortic aneurysm during the last decade. *Journal of vascular surgery*. 2018. PMID: 29914839. <https://doi.org/10.1016/j.jvs.2018.04.032> **KQ4E1, KQ5E3b.**
67. Zettervall SL, Buck DB, Soden PA, et al. Regional variation exists in patient selection and treatment of abdominal aortic aneurysms. *Journal of vascular surgery*. 2016;64(4):921-7.e1. PMID: 27066949. <https://dx.doi.org/10.1016/j.jvs.2016.02.036> **KQ4E3b, KQ5E3b.**