

## APPENDIX – SEARCH STRATEGIES (via OVID)

### Surgical patients (recommendations 1-10)

#### MEDLINE and EMBASE - RCTs

1. exp anticoagulant agent/
2. Anticoagula\$.mp.
3. (Antithrombins or antithrombotic\*).mp. or exp Antithrombins/
4. thrombin inhibitor/ or thrombin inhibitor.mp.
5. Factor Xa Inhibitors.mp. or exp Factor Xa Inhibitors/
6. rivaroxaban/ or dabigatran etexilate/ or apixaban/ or edoxaban/ or betrixaban/ or ximelagatran/
7. (rivaroxaban or Xarelto or apixaban or Eliquis or dabigatran etexilate or Edoxaban or Savaysa or Betrixaban or ximelagatran or pradaxa or lixiana or exanta or Darexaban or Otamixaban\$ or Razaxaban or Bivalirudin or Desirudin or Lepirudin or Melagatran or YM 150 or Iprivask or argatrovan or pradax or BIBR-953 or BIBR- 953ZW or BAY 59-7939 or BMS-562247 or DU-176 or DU-176b).mp.
8. (TSOAC\$ or NOAC\$ or DOAC\$).ti,ab,kw.
9. ((Target adj Specific adj Oral adj Anticoagulant\$) or (oral adj anticoagulant\$) or (novel adj anticoagulant\$) or (new adj anticoagulant\$) or (direct\$ adj anticoagulant\$)).mp.
10. ((new or novel or direct or direct-acting or target-specific or targeted or non-vitamin K) adj3 oral anticoagulant\*).mp.
11. (factor Xa adj2 (antag\* or inhibit\*)).mp.
12. exp Heparin/ or heparin.mp.
13. exp Heparin, Low-Molecular-Weight/
14. dalteparin/ or enoxaparin/ or nadroparin/ or heparinoids/
15. (LMWH or LMWHs or low molecular weight heparin or nadroparin or fraxiparin\* or enoxaparin\* or clexane or klexane or lovenox or dalteparin or fragmin or ardeparin\* or normiflo or tinzaparin or logiparin or innohep or certoparin or sandoparin or reviparin or clivarin\* or danaproid or danaparoid or orgaran or antixarin or bemiparin\* or hibor or zibor or ivor or badyket or semuloparin or parnaparin or tedelparin or fluxum or lohepa or lowhepa or parvoparin or seleparin\* or tedelgliparin or lomoparan or orgaran or sulodexide or zivor or embolex or xaparin or clivarine).mp.
16. (FR-860 or FR 860 or FR860 or PK-10,169 or PK 10,169 or PK10,169 or PK-10169 or PK 10169 or PK10169 or EMT-967 or EMT 967 or EMT967 or EMT-966 or EMT 966 or EMT966 or CY 216 or CY-216 or CY216 or LMF CY-216 or LMF CY 216 or LMF CY216).mp.
17. exp bandage/
18. exp intermittent pneumatic compression device/
19. exp compression stocking/
20. (((calf or elastic or graded or limb or leg or pneumatic or sequential or plantar or foot) adj1 compression) or (device adj1 compression) or (foot adj1 pump\*)).mp.
21. mechanical.mp.
22. (stocking or stockings or hose or hosiery or tights or bandage).mp.
23. or/1-22
24. Primary Prevention/
25. Venous Thrombosis/pc [Prevention & Control]
26. Venous Thromboembolism/pc [Prevention & Control]
27. Pulmonary Embolism/pc [Prevention & Control]
28. prevent\$.mp.
29. thromboprophylax\$.mp.
30. prophyla\$.mp.
31. or/24-30
32. exp General Surgery/
33. exp Abdomen/su
34. (General surgery or Major surgical procedure or Major general surgical or Postoperative or Post-operative or General surgical patients or Postoperative Complications or Postoperative thrombosis or Surgery or Intraoperative Complications or Preoperative Care or Postoperative care or Intraoperative Complications or postoperative hemorrhage or reoperation).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]
35. exp Neurosurgical Procedures/
36. exp Neurosurgery/

37. exp Craniotomy/
38. exp Brain Injuries/
39. exp Intracranial Aneurysm/
40. exp Intracranial Arterial Diseases/
41. exp Cerebrovascular Disorders/
42. exp Cerebrovascular Traum
43. neurosurg\$ procedure\$.tw.
44. ((operat\* or surg\* or procedur\*) adj5 (brain\* or neuro\*)).mp.
45. ((Brain or Cerebro\*) adj5 (disord\* or trauma\* or damage)).mp.
46. laparoscopic cholecystectomy.mp.
47. laparoscopic surge\$.mp.
48. Prostatectomy.mp.
49. Transurethral resection.mp.
50. Transurethral resection of the prostate.mp.
51. Prostate Transurethral Resection.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]
52. or/32-51
53. randomized controlled trial.pt.
54. controlled clinical trial.pt.
55. Clinical Trials as topic.sh.
56. trial.ti,ab.
57. factorial\*.ti,ab.
58. (crossover\* or cross over\*).ti,ab.
59. ((doubl\* or singl\*) adj blind\*).ti,ab.
60. (assign\* or allocat\* or volunteer\* or placebo\*).ti,ab.
61. placebo.ab.
62. random\*.ti,ab.
63. or/52-61
64. animals/ not humans/
65. exp Animals, Laboratory/
66. exp Animal Experimentation/
67. exp Models, Animal/
68. exp Rodentia/
69. (rat or rats or mouse or mice).ti.
70. or/64-69
71. 63 not 70
72. 23 and 31 and 52 and 70

## Medical patients and long-distance travelers (Recommendation 11 to 21)

### MEDLINE and EMBASE - RCTs

1. randomized controlled trial [pt]
2. controlled clinical trial [pt]
3. randomized [tiab]
4. placebo [tiab]
5. drug therapy [sh]
6. randomly [tiab]
7. trial [tiab]
8. groups [tiab]
9. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8
10. animals [mh] NOT humans [mh]
11. #9 NOT #10
12. rivaroxaban
13. "Factor Xa Inhibitors"[Mesh]
14. "Factor Xa"[Mesh] OR "Antithrombins"[Mesh] OR "Dabigatran"[Mesh]
15. (thrombin AND inhib\*)
16. oac OR noacs OR doac

17. dabigatran OR melagatran OR factor Xa OR factor 10a OR fXa OR xaban\* OR apixaban OR betrixaban OR eribaxaban OR otamixaban OR razaxaban OR rivaroxaban OR darexaban OR edoxaban
18. #12 OR #13 OR #14 OR #15 OR #16 OR #17
19. non-surgical
20. nonsurgical
21. stroke
22. cancer
23. "medically-ill"
24. "internal medicine"
25. trauma
26. posttrauma
27. intensive
28. "Internal Medicine"[Mesh]
29. "Medicine"[Mesh]
30. "Critical Care"[Mesh]
31. "Stroke"[Mesh]
32. medical
33. myocardial
34. criticall\*
35. #19 #OR 20#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
36. (lmw OR lmwh OR lmw-heparin OR lmwhs OR lmwh-group OR low-molecular-weight OR low-molecular OR "low molecular" OR low - molecular - weight)
37. "Heparin, Low-Molecular-Weight"[Mesh]
38. "Dalteparin"[Mesh]
39. nadroparin OR fraxiparine OR dalteparin OR enoxaparin OR certoparin
40. #36 OR #37 OR #38 OR #39
41. #11 AND #18 AND #35 AND #40