

Guideline topic: Prevention and management of venous thromboembolism in COVID-19

General comments

This document describes the systematic search strategies for the SIGN rapid guideline on prevention and management of VTE in COVID-19

Stem search strategies (*Medline*)

Generic stem search strategy

- 1 exp Coronavirinae/ (23655)
- 2 exp Coronavirus infection/ (24649)
- 3 ((corona* or corono*) adj1 (virus* or viral* or virinae*)),ti,ab,kw. (2581)
- 4 (coronavirus* or coronovirus* or coronavirinae* or CoV).ti,ab,kw. (78818)
- 5 ("2019-nCoV" or 2019nCoV or nCoV2019 or "nCoV-2019" or "COVID-19" or COVID19 or "CORVID-19" or CORVID19 or "WN-CoV" or WNCov or "HCoV-19" or HCoV19 or "2019 novel*" or Ncov or "n-cov" or "SARS-CoV-2" or "SARSCoV-2" or "SARSCoV2" or "SARS-CoV2" or SARSCov19 or "SARS-Cov19" or "SARSCov-19" or "SARS-Cov-19" or Ncover or Ncorona* or Ncorono* or NcovWuhan* or NcovHubei* or NcovChina* or NcovChinese* or SARS2 or "SARS-2" or SARScoronavirus2 or "SARS-coronavirus-2" or "SARScoronavirus 2" or "SARS coronavirus2" or SARScoronavirus2 or "SARS-coronavirus-2" or "SARScoronavirus 2" or "SARS coronavirus2").ti,ab,kw. (114328)
- 6 (((respiratory* adj2 (symptom* or disease* or illness* or condition*)) or "seafood market*" or "food market*" or pneumonia*) adj10 (Wuhan* or Hubei* or China* or Chinese* or Huanan*)),ti,ab,kw. (2907)
- 7 ((outbreak* or wildlife* or pandemic* or epidemic*) adj1 (China* or Chinese* or Huanan*)),ti,ab,kw. (144)
- 8 "severe acute respiratory syndrome".ti,ab,kw. (19120)
- 9 or/1-8 (147230)
- 10 exp anticoagulant agent/ (689126)
- 11 (anti thromb* or anti-thromb* or anticoagula* or anti-coagula* or "VTE treat*" or thromboprophylaxis or thrombo-prophylaxis).tw. (201131)
- 12 (heparin or enoxaparin or clexane or fondaparinux or lmwh or apixaban or rivaroxaban or noac or "Novel oral anticoagulant*" or nafamostat or warfarin).tw. (155236)
- 13 (edoxaban or betrixaban or dabigatrin).tw. (2882)
- 14 or/10-13 (763955)
- 15 9 and 14 (4588)
- 16 limit 15 to (english language and yr="2019 -Current") (4313)
- 17 (exp animal/ or exp invertebrate/ or nonhuman/ or animal experiment/ or animal tissue/ or animal model/ or exp plant/ or exp fungus/) not (exp human/ or human tissue/) (7131891)
- 18 16 not 17 (4285)

Search results (specific key questions)						
KQ	Date of search	Databases	Study type	Date range	Initial recall	Sifted results
All	09/04/2021	Medline, Embase	Reviews, RCTs	2019-2021	6209	13+1
KQ2	19/04/2021	Medline, Embase	RCT	2019-2021	2126	23+1
KQ3	19/04/2021	Medline, Embase	RCT	2019-2021	691	0
KQ4	23/04/2021	Medline, Embase	RCT	2019-2021	70	0

Search strategies used for specific key questions

The following are the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesauri used in non-Medline databases. Search filters were added to identify studies of a particular type (systematic review, RCT, economics etc.) Listings of the search filters used by SIGN can be found on the [SIGN Web site](#).

KQ2

51 exp thrombosis/ (336204)
 52 ((venous or vein\$) adj2 thromb\$).tw. (116599)
 53 (arter\$ adj2 thromb\$).tw. (27687)
 54 exp embolism/ (147478)
 55 (pulmon\$ adj2 embol\$).tw. (63826)
 56 or/51-55 (470723)
 57 9 and 14 and 56 (1365)

KQ3

51 exp Thrombosis/ (336204)
 52 exp Embolism/ (147478)
 53 ((venous or vein\$) adj2 thromb\$).tw. (116599)
 54 (arter\$ adj2 thromb\$).tw. (27687)
 55 (pulmon\$ adj2 embol\$).tw. (63826)
 56 or/51-55 (470723)
 57 risk/ (503174)
 58 (risk adj2 (assess\$ or factor\$)).tw. (1061816)
 59 or/57-58 (1473926)
 60 9 and 56 and 59 (323)

KQ4

51 exp primary medical care/ (113011)
 52 "primary care".tw. (166074)
 53 exp general practice/ (80229)
 54 "general practice".tw. (41763)
 55 community.ti. (174956)
 56 or/51-55 (438514)
 57 9 and 15 and 56 (39)