

PICO 1 (massive bleeding) & PICO 2 (non-massive bleeding)**Point of care testing**

Updated Wikkels 2016 et al. from January 2016 to September 3, 2019

Total references imported= 2053; duplicates removed= 507

1	exp Thrombelastography/ or Thromb?elastograph*.mp. or (ROTEM or TEG or ROTEG).mp. or Thromboelastometry.mp.	11107
2	((randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (animals not (humans and animals)).sh.	6706906
3	1 and 2	3772
4	limit 3 to yr="2016 -Current"	1313

Embase 1974 to 2019 August 30

1	Thromboelastography/ or (thromboelastogra\$ or thrombelastogra\$ or thrombo elastogra\$ or thromboelastom\$ or thrombo elastom\$).ti,ab. or (ROTEM or ROTEG or TEG).mp.	10362
2	(randomized-controlled-trial/ or randomization/ or controlled-study/ or multicenter-study/ or phase-3-clinical-trial/ or phase-4-clinical-trial/ or double-blind-procedure/ or single-blind-procedure/ or (random* or cross?over* or factorial* or placebo* or volunteer* or ((singl* or doubl* or trebl* or tripl*) adj3 (blind* or mask*))).ti,ab.) not (animals not (humans and animals)).sh.	8008033
3	1 and 2	3876
4	limit 3 to yr="2016 -Current"	1774

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019 (Run Sept. 3, 2019)

1	Thromboelastography.mp. or exp Thrombelastography/	512
2	(thromboelastogra* or thrombelastogra* or thromboelastom*ROTEG or ROTEM or TEG).mp. [mp=title, original title, abstract, mesh headings, heading words, keyword]	837
3	1 or 2	837
4	limit 3 to yr="2016 -Current"	282

PICO 2 (massive bleeding) & PICO 8 (non-massive bleeding) - TXA vs. no TXA

Search strategy modified from Ker K, Roberts I, Shakur H, Coats TJ. Antifibrinolytic drugs for acute traumatic injury. Cochrane Database of Systematic Reviews 2015, Issue 5. Art. No.: CD004896. DOI: 10.1002/14651858.CD004896.pub4.

17398 studies imported; 6705 duplicates removed

OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (August 28 2019)

1	exp Antifibrinolytic Agents/	26737
2	(anti-fibrinolytic* or antifibrinolytic* or antifibrinolysin* or anti-fibrinolysin* or antiplasmin* or anti-plasmin* or ((plasmin or fibrinolysis) adj3 inhibitor*)).ab,ti.	8325
3	exp Tranexamic Acid/	3200
4	(tranexamic or Cyclohexanecarboxylic Acid* or Methylamine* or amcha or trans-4-aminomethyl-cyclohexanecarboxylic acid* or t- amcha or amca or kabi 2161 or transamin* or exacyl or amchafibrin or anvitoff or spotof or cyklokapron or ugurol or amino methylcyclo- hexane carboxylate or aminomethylcyclohexanecarbonic acid or aminomethylcyclohexanecarboxylic acid or AMCHA or amchafibrin or amikapron or aminomethyl cyclohexane carboxylic acid or aminomethyl cyclohexanecarboxylic acid or aminomethylcyclohexane carbonic acid or aminomethylcyclohexane carboxylic acid or aminomethylcyclohexanecarbonic acid or aminomethylcyclohexanecarboxylic acid or aminomethylcyclohexanoic acid or amstat or anvitoff or cl?65336 or cl65336 or cyclocapron or cyclokapron or cyklocapron or exacyl or frenolyse or hexacapron or hexakapron or tranex or TXA).ab,ti.	39719
5	1 or 2 or 3 or 4	68435
6	randomi?ed.ab,ti.	583195
7	randomized controlled trial.pt.	488125
8	controlled clinical trial.pt.	93250
9	placebo.ab.	200377
10	clinical trials as topic.sh.	188123
11	randomly.ab.	317182
12	trial.ti.	203894
13	6 or 7 or 8 or 9 or 10 or 11 or 12	1275814
14	(animals not (humans and animals)).sh.	4579433
15	13 not 14	1175551
16	5 and 15	5475

EMBASE 1974 to 2019 August 27

1	exp Antifibrinolytic Agent/	30226
2	(anti-fibrinolytic* or antifibrinolytic* or antifibrinolysin* or anti-fibrinolysin* or antiplasmin* or anti-plasmin* or ((plasmin or fibrinolysis) adj3 inhibitor*)).ab,ti.	10482
3	exp Tranexamic Acid/	12293
4	(tranexamic or Cyclohexanecarboxylic Acid* or Methylamine* or amcha or trans-4-aminomethyl-cyclohexanecarboxylic acid* or t- amcha or amca or kabi 2161 or transamin* or exacyl or amchafibrin or anvitoff or spotof or cyklokapron or ugurol or amino methylcyclo- hexane carboxylate or aminomethylcyclohexanecarbonic acid or aminomethylcyclohexanecarboxylic acid or AMCHA or amchafibrin or amikapron or aminomethyl cyclohexane carboxylic acid or aminomethyl cyclohexanecarboxylic acid or aminomethylcyclohexane carbonic acid or aminomethylcyclohexane carboxylic acid or aminomethylcyclohexanecarbonic acid or aminomethylcyclohexanecarboxylic acid or aminomethylcyclohexanocarboxylic acid or aminomethylcyclohexanoic acid or amstat or anvitoff or cl?65336 or cl65336 or cyclocapron or cyclokapron or cyklocapron or exacyl or frenolyse or hexacapron or hexakapron or tranex or TXA).ab,ti.	52265
5	1 or 2 or 3 or 4	82145
6	exp Randomized Controlled Trial/	567516
7	exp controlled clinical trial/	752918
8	randomi?ed.ab,ti.	838495
9	placebo.ab.	285955
10	*Clinical Trial/	17557
11	randomly.ab.	419434
12	trial.ti.	279393
13	6 or 7 or 8 or 9 or 10 or 11 or 12	1615161
14	exp animal/ not (exp human/ and exp animal/)	4505841
15	13 not 14	1478052
16	5 and 15	7581

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019

1. Tranexamic Acid.mp. or exp Tranexamic Acid/ Results - 2342

PICO 3 (Empiric/early fibrinogen vs. lab-driven fibrinogen) & PICO 11: Liberal vs. restrictive fibrinogen (non-massive)

Update from PMID: 23986527 From August 1 2013 to September 1, 2019

Total references imported= 2511; Duplicates removed = 911

**OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations,
Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (run Sept 1, 2019)**

1	Fibrin Tissue Adhesive/ or exp Fibrinogen/	43330
2	fibrinogen concentrate.mp. or fibrin*.ti,ab.	101899
3	1 or 2	114230
4	exp Hemorrhage/ or Afibrinogenemia/	320519
5	(hypofibrinogen?em* or bleeding).mp.	193084
6	4 or 5	438165
7	3 and 6	13841
8	randomi?ed.ab,ti.	583387
9	randomized controlled trial.pt.	488336
10	controlled clinical trial.pt.	93253
11	placebo.ab.	200411
12	clinical trials as topic.sh.	188167
13	randomly.ab.	317270
14	trial.ti.	203972
15	8 or 9 or 10 or 11 or 12 or 13 or 14	1276116
16	7 and 15	1871
17	limit 16 to yr="2012 -Current"	551

Embase 1996 to 2019 August 30

1	fibrin glue/	8437
2	fibrinogen/	46950
3	fibrinogen concentrate.mp.	1161
4	fibrin*.ti,ab.	90193
5	1 or 2 or 3 or 4	105322
6	bleeding/	245385
7	afibrinogenemia/	676
8	(hypofibrinogen?em* or bleeding).ti,ab.	258929

9	6 or 7 or 8	387955
10	5 and 9	15882
11	exp Randomized Controlled Trial/	523199
12	exp controlled clinical trial/	684172
13	randomi?ed.ab,ti.	781053
14	placebo.ab.	239813
15	*Clinical Trial/	11581
16	randomly.ab.	380468
17	trial.ti.	248849
18	11 or 12 or 13 or 14 or 15 or 16 or 17	1437785
19	10 and 18	2163
20	limit 19 to yr="2013 -Current"	862

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019

1	fibrin tissue adhesive.mp. or exp Fibrin Tissue Adhesive/	465
2	exp Fibrinogen/ or fibrinogen.mp.	5387
3	(fibrinogen?concentrate or fibrin*).ti,ab.	9107
4	1 or 2 or 3	10048
5	exp Hemorrhage/ or hemorrhage.mp.	28426
6	Afibrinogenemia/	10
7	(hypofibrinogen?em* or bleeding).mp.	40208
8	5 or 6 or 7	57116
9	4 and 8	2470
10	limit 9 to yr "2013-Current"	913

PICO 4: PCC vs. plasma in massive bleeding*Modified from PMID: 30342540*

Total references =2,717, duplicates removed = 165

OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (run August 30 2019)

1	Hemostatics/ or exp prothrombin/	19787
2	Prothrombin complex concentrate.ti,ab.	999
3	(PCC\$ or 4F-PCC\$ or 3F-PCC\$).ti,ab.	13003
4	(Kaskadil or Beriplex or Cofact or Confidex or Kcentra or Ocplex or Octaplex or PPSB or Profilnine or Profiline SD or ProthoRAAS or Prothrombin Complex Octapharm or Prothrombinex or Prothromplex or Prothromplex Immuno Tim4 or Prothromplex NF or Prothromplex Total or Prothromplex Total NF or Protromplex TIM 3 or Proplex or Proplex-T or Pushu Laishi or TachoSil or Uman or Uman Complex or Uman-Complex).ti,ab.	569
5	1 or 2 or 3 or 4	33497
6	Plasma/ or plasma.ti,ab.	856509
7	exp Blood Component Transfusion/ or exp Blood Transfusion/	83341
8	6 or 7	927195
9	5 and 8	4485
10	Randomized controlled trial.pt.	488277
11	controlled clinical trial.pt.	93253
12	randomized.ab.	452973
13	placebo.ab.	200359
14	drug therapy.fs.	2134779
15	randomly.ab.	317145
16	trial.ab.	474761
17	groups.ab.	1948385
18	10 or 11 or 12 or 13 or 14 or 15 or 16 or 17	4512629
19	9 and 18	1410

Embase 1974 to 2019 August 29

1	exp prothrombin complex/	4171
2	Prothrombin complex concentrate.tw.	2018
3	(PCC\$ or 4F-PCC\$ or 3F-PCC\$).ti,ab.	17244
4	(Kaskadil or Beriplex or Beriplex or Cofact or Confidex or Kcentra or Ocplex or Octaplex or PPSB or PPSB-HT Nichiyaku or PPSB-HT or Profilnine or Profiline SD or ProthroRAAS or Prothrombin Complex Octapharm or Prothrombinex-HT or Prothrombinex or Prothromplex or Prothromplex Immuno Tim4 or Prothromplex NF or Prothromplex Total or Prothromplex Total NF or Protromplex TIM 3 or Proplex or Proplex-T or Pushu Laishi or TachoSil or Uman or Uman Complex or Uman-Complex or Uman-Complex).ti,ab.	1151
5	1 or 2 or 3 or 4	21362
6	exp plasma transfusion/	4512
7	exp blood transfusion/	167478
8	plasma transfusion.ti,ab.	1022
9	6 or 7 or 8	167623
10	5 and 9	1159

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019

1	Prothrombin complex.mp.	239
2	(Kaskadil or Beriplex or Cofact or Confidex or Kcentra or Ocplex or Octaplex or PPSB or PPSB-HT Nichiyaku or Profilnine or Profiline or ProthroRAAS or Prothrombin Complex Octapharm or Prothrombinex-HT or Prothrombinex or Prothromplex or Prothromplex Immuno Tim4 or Prothromplex or Prothromplex Total or Prothromplex Total NF or Protromplex TIM 3 or Proplex or Proplex-T or Pushu Laishi or TachoSil or Uman or Uman Complex or Uman-Complex or PCC).mp.	576
3	1 or 2	696
4	plasma.mp. or Plasma/	94190
5	Blood Component Transfusion/ or transfusion.mp	14102
6	4 or 5	106566
7	3 and 6	148

PICO 5 & 14 - Cold storage of platelets (MTP or non-massive bleeding)

New search: Conducted September 3 2019

*Total references imported= 7965; duplicates removed= 529***Embase** 1974 to 2019 August 30

1	thrombocyte storage.mp. or exp thrombocyte preservation/	1664
2	((cold stor\$ adj4 platelet\$) or (platelet\$ stor\$ adj4 temp\$) or (cold stor\$ adj4 thrombocyt\$) or (thrombocyt\$ stor\$ adj4 temp\$) or cold platelet\$ or cold-stor\$ platelet\$).mp.	223
3	1 or 2	1802

OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (Run September 3, 2019)

1	thrombocyte storage.mp. or exp thrombocyte preservation/	8
2	((cold stor\$ adj4 platelet\$) or (platelet\$ stor\$ adj4 temp\$) or (cold stor\$ adj4 thrombocyt\$) or (thrombocyt\$ stor\$ adj4 temp\$) or cold platelet\$ or cold-stor\$ platelet\$).mp.	106
3	Blood Platelets/	75269
4	1 or 2 or 3	75305
5	Hemorrhage/ or hemorrhage.mp.	273125
6	massive hemorrhage.mp.	2281
7	life threatening bleeding.mp.	1306
8	exp Blood Transfusion/ or transfusion.mp.	140636
9	5 or 6 or 7 or 8	399703
10	4 and 9	6502
11	(animals not (humans and animals)).sh.	458060
12	10 not 11	5862

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019 (Run Sept 3 2019)

1	((cold stor\$ adj4 platelet\$) or (platelet\$ stor\$ adj4 temp\$) or (cold stor\$ adj4 thrombocyt\$) or (thrombocyt\$ stor\$ adj4 temp\$) or cold platelet\$ or cold-stor\$ platelet\$).mp.	9
2	exp platelet transfusion/	293
3	1 or 2	301

PICO 6: High vs. low ratio transfusion in massive bleeding*Update of McQuilten et al from January 1, 2017 to September 14, 2019**References retrieved = 5666; duplicates removed = 612***OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (run September 14 2019)**

1	exp *Hemorrhage/	207383
2	Shock, Hemorrhagic/	11243
3	Exsanguination/	334
4	((major* or critical* or severe* or serious* or significant* or massive* or life threatening or substantial* or extrem* or catastrophic or uncontroll* or recurrent or control* or excessive* or acute*) adj3 (bleed* or haemorrhag* or hemorrhag* or blood loss* or bloodloss*)).tw.	91573
5	((haemorrhagic or hemorrhagic or hypovolemic or hypovolaemic) adj shock).tw.	12026
6	or/1-5	267606
7	Multiple Trauma/ or exp Shock, Traumatic/	17356
8	Military Medicine/ or War/	29688
9	(trauma* or neurotrauma* or posttrauma* or military or combat* or battlefield* or battle field* or casual* or iraq* or afghan* or gulf war*).ti.	194195
10	((major* or life threatening or substantial* or multip* or severe* or serious* or catastrophic* or critical* or catastrophic* or massive* or penetrating) adj3 (trauma* or posttrauma* or postrauma* or injury or injuries or injured or postinjur*)).tw.	88992
11	((trauma* adj3 coagulopath*) or trauma* resuscitation or polytrauma*).tw.	5495
12	or/7-11	284777
13	Aortic Rupture/	9410
14	((ruptur* or burst*) adj3 aort*).tw.	7210
15	or/13-14	12749
16	12 or 15	296052
17	exp Blood Transfusion/	83428
18	(massive* transfus* or massive blood transfus*).tw.	2126
19	(severe trauma* or major* trauma* or massive* trauma* or multiple trauma* or polytrauma* or severe* injur* or serious injur* or massive* injur* or critical* injur* or major* injur* or life-threatening injur* or multiple injur* or coagulopath* or coagulation deficien* or hyperfibrinolysis or exsanguination or haemorrhagic shock or hemorrhagic shock).ti.	18777
20	((major* or critical* or severe* or serious* or massive* or life threatening or substantial* or extrem* or catastrophic or uncontroll*) adj3 (bleed* or haemorrhag* or hemorrhag* or blood loss* or bloodloss*)).ti.	9789

21	6 or 16 or 19 or 20	550506
22	21 and (17 or 18)	14778
23	(animal* or cat or cats or dog or dogs or pig or pigs or sheep or rabbit* or mouse or mice or rat or rats or feline or canine or porcine or ovine or murine or model*).ti.	2405342
24	22 not 23	14263
25	limit 24 to yr="2017 -Current"	1504

Embase 1996 to 2019 September 13

1	Hemorrhagic Hypotension/ or Hemorrhagic Shock/	10806
2	Exsanguination/	885
3	((major* or critical* or severe* or serious* or significant* or massive* or life threatening or substantial* or extrem* or catastrophic or uncontroll* or recurrent or control* or excessive* or acute*) adj3 (bleed* or haemorrhag* or hemorrhag* or blood loss* or bloodloss*).tw.	114229
4	((haemorrhagic or hemorrhagic or hypovolemic or hypovolaemic) adj shock).tw.	11013
5	1 or 2 or 3 or 4	125414
6	Multiple Trauma/ or exp Shock, Traumatic/	13046
7	exp Blunt Trauma/	19545
8	Military Medicine/ or War/	30486
9	Battle Injury/	3739
10	(trauma* or neurotrauma* or posttrauma* or military or combat* or battlefield* or battle field* or casual* or iraq* or afghan* or gulf war*).ti.	166033
11	((major* or life threatening or substantial* or multip* or severe* or serious* or catastrophic* or critical* or catastrophic* or massive* or penetrating) adj3 (trauma* or posttrauma* or postrauma* or injury or injuries or injured or postinjur*).tw.	92978
12	Aorta Rupture/	4242
13	((ruptur* or burst*) adj3 aort*).tw.	6963
14	or/6-13	270722
15	(severe trauma* or major* trauma* or massive* trauma* or multiple trauma* or polytrauma* or severe* injur* or serious injur* or massive* injur* or critical* injur* or major* injur* or life-threatening injur* or multiple injur* or coagulopath* or coagulation deficien* or hyperfibrinolysis or exsanguination or haemorrhagic shock or hemorrhagic shock).ti.	16501
16	((major* or critical* or severe* or serious* or massive* or life threatening or substantial* or extrem* or catastrophic or uncontroll*) adj3 (bleed* or haemorrhag* or hemorrhag* or blood loss* or bloodloss*).ti.	8447
17	exp Blood Transfusion/	139812

18	Fresh Frozen Plasma/	15913
19	(transfus* or whole blood or old* blood or "age of blood" or fresh* blood or new* blood or young* blood or component therapy or blood component* or blood product* or blood replacement or allogeneic blood or allogenic blood or red cell* or red blood cell* or FFP or fresh plasma or frozen plasma or thawed plasma or liquid plasma or platelets or packed cells or RBC* or PRBC* or cryoprecipitate* or APCC or coagulation factor concentrate*).tw.	350840
20	(massive* transfus* or massive blood transfus*).tw.	2852
21	or/15-20	422615
22	14 and 21	20110
23	(animal* or cat or cats or dog or dogs or pig or pigs or sheep or rabbit* or mouse or mice or rat or rats or feline or canine or porcine or ovine or murine or model*).ti.	1683136
24	22 not 23	18956
25	limit 24 to yr="2017 -Current"	4000

EBM Reviews - Cochrane Central Register of Controlled Trials August 2019

1	exp Hemorrhage/	12742
2	exp shock,hemorrhagic/	90
3	((major* or critical* or severe* or serious* or significant* or massive* or "life threatening" or substantial* or extrem* or catastrophic or uncontroll* or recurrent or control* or excessive* or acute*) adj3 (bleed* or haemorrhag* or hemorrhag* or blood loss* or bloodloss*).mp.	16478
4	((haemorrhagic or hemorrhagic or hypovolemic or hypovolaemic) adj1 shock).mp.	445
5	exp multiple trauma/	209
6	exp shock, traumatic/	50
7	exp military medicine/	165
8	exp war/	31
9	(trauma* or neurotrauma* or posttrauma* or military or combat* or battlefield* or "battle field*" or casualt* or iraq* or afghan* or "gulf war*").ti.	10049
10	((major* or "life threatening" or substantial* or multip* or severe* or serious* or catastrophic* or critical* or catastrophic* or massive* or penetrating) adj3 (trauma* or posttrauma* or posttrauma* or injury or injuries or injured or postinjur*).mp.	7078
11	exp aortic rupture/	65
12	((ruptur* or burst*) adj3 aort*).mp	272
13	or/1-12	40366

14	exp blood transfusion/	3307
15	("massive* transfus*" or "massive blood transfus*").mp	138
16	14 or 15	3418
17	13 and 16	1440
18	limit 17 to yr="2017 -Current"	162

PICO 9: Restrictive vs. liberal RBC transfusion in non-massively bleeding patients

Search update from Carson et al 2018 from November 13, 2017 to September 4, 2019

References imported = 3824; duplicates removed = 887

OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (run September 4, 2019)

1	*Blood Transfusion/ad, mt, st, td or *Erythrocyte Transfusion/mt, st, td	4482
2	((transfus* or red cell* or red blood cell* or RBC* or PRBC*) adj5 (trigger* or thresh?old* or target* or restrict* or liberal* or aggressive* or conservative* or prophylactic* or limit* or protocol* or policy or policies or practic* or indicat* or strateg* or regimen* or criteri* or standard* or management or program*).tw.	16104
3	((h?emoglobin or h?ematocrit or HB or HCT) adj5 (polic* or practic* or protocol* or trigger* or threshold* or maintain* or indicator* or strateg* or criteri* or standard*).tw.	5956
4	(blood adj3 (management or program*).mp.	6404
5	((transfus* or red cell* or red blood cell* or RBC* or PRBC*) and (critical* or intensive* or h?emorrhag* or bleed*).ti.	2126
6	1 or 2 or 3 or 4 or 5	31118
7	randomized controlled trial.pt.	488416
8	controlled clinical trial.pt.	93253
9	randomi*.tw.	596487
10	placebo.ab.	200462
11	clinical trials as topic.sh.	188178
12	randomly.ab.	317368
13	groups.ab.	1949625
14	trial.tw.	556121
15	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14	2996302
16	exp animals/ not humans/	4613961
17	15 not 16	2565642
18	6 and 17	6305
19	limit 18 to yr="2017 -Current"	1146

Embase 1974 to 2019 September 03

1	*Blood Transfusion/ or Erythrocyte Transfusion/	36835
2	((red blood cell* or red cell* or RBC* or PRBC*) adj5 (therap* or transfus*).mp.	23869

3	1 or 2	57544
4	Standard/ or Gold Standard/	383721
5	3 and 4	1066
6	((transfus* or red cell* or red blood cell* or RBC* or PRBC*) adj5 (trigger* or thresh?old* or target* or restrict* or liberal* or aggressive* or conservative* or prophylactic* or limit* or protocol* or policy or policies or practic* or indicat* or strateg* or regimen* or criteri* or standard* or management or program*)).tw.	26887
7	((h?emoglobin or h?ematocrit or HB or HCT) adj5 (polic* or practic* or protocol* or trigger* or threshold* or maintain* or indicator* or strateg* or criteri* or standard*)).tw.	9726
8	(blood adj3 (management or program*)).mp.	10658
9	((transfus* or red cell* or red blood cell* or RBC* or PRBC*) and (critical* or intensive* or h?emorrhag* or bleed*)).ti.	2715
10	5 or 6 or 7 or 8 or 9	46075
11	Randomized Controlled Trial/	568331
12	Randomization/	83937
13	Single Blind Procedure/	36448
14	Double Blind Procedure/	165111
15	Crossover Procedure/	60549
16	Placebo/	341103
17	exp Clinical Trial/	1426875
18	Prospective Study/	548278
19	(randomi* or double-blind* or single-blind* or RCT*).tw.	937122
20	(random* adj2 (allocat* or assign* or divid* or receiv*)).tw.	304986
21	(crossover* or cross over* or cross-over* or placebo*).tw.	367691
22	((treble or triple) adj blind*).tw.	1027
23	or/11-22	2554459
24	Case Study/	64047
25	case report*.tw.	464322
26	(note or editorial).pt.	1400987
27	or/24-26	1921214
28	23 not 27	2464206

29	10 and 28	8114
30	limit 29 to yr="2017 -Current"	1913

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019

1	Blood Transfusion/	
2	(transfus* adj5 (polic* or practic* or protocol* or trigger* or threshold* or indicator* or strateg* or criteri* or standard*)).mp.	
3	((Red blood cell* or RBC) adj5 (polic* or practic* or protocol* or trigger* or threshold* or indicator* or strateg* or criteri* or standard*)) and (therap* or transfus*)).mp.	
4	((H?emoglobin or h?emocrit or HB or HCT) adj5 (polic* or practic* or protocol* or trigger* or threshold* or indicator* or strateg* or criteri* or standard*)).mp.	
5	(transfus* adj5 (restrict* or liberal*)).mp.	
6	(blood transfus* adj3 (management or program*)).mp.	
7	1 or 2 or 3 or 4 or 5 or 6	
8	limit 7 to yr="2017 -Current"	

PICO 10: Restrictive vs. liberal plasma strategy in non-massive bleeding

Update of Levy et al 2017 systematic review from June 2015 to September 4 2019

References uploaded =1564; duplicates removed = 180

OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (Run September 4 2019)

1	Plasma/	21662
2	(fresh frozen plasma or liquid plasma or thawed plasma or freeze-dried plasma or methylene blue plasma or solvent-detergent plasma or amotosalen-treated plasma or riboflavin-treated plasma or therapeutic plasma).mp.	7938
3	1 or 2	27786
4	((randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (animals not (humans and animals)).sh.	3908561
5	3 and 4	4413
6	limit 5 to yr="2015 -Current"	1047

Embase 1974 to 2019 September 03

1	exp plasma transfusion/	4514
2	(fresh frozen plasma or liquid plasma or thawed plasma or freeze-dried plasma or methylene blue plasma or solvent detergent plasma or amotosalen treated plasma or riboflavin treated plasma or therapeutic plasma).mp.	22305
3	1 or 2	24998
4	('crossover procedure':de or 'double-blind procedure':de or 'randomized controlled trial':de or 'single-blind procedure':de).mp. or (((((((random* or factorial* or crossover* or cross) adj1 over*) or placebo* or doubl*) adj1 blind*) or singl*) adj1 blind*) or assign* or allocat* or volunteer*).de,ab,ti. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	934486
5	3 and 4	781
6	limit 5 to yr="2015 -Current"	221

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019 (Run Sept. 4 2019)

1	(FRESH FROZEN PLASMA or liquid plasma or thawed plasma or freeze dried plasma or methylene blue plasma or solvent detergent plasma or amotosalen treated plasma or riboflavin treated plasma or therapeutic plasma).mp. [mp=title, original title, abstract, mesh headings, heading words, keyword]	782
2	limit 1 to yr="2015 -Current"	296

PICO 12 & 13 (non-massive bleeding) - liberal vs. restrictive platelets (with or without thrombopathic TAR)

Updated systematic review by Kumar et al (2015)

Total references=4808; duplicates removed = 369; removed during T&A screen = 4401

OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present (August 28 2019)

1	blood transfusion.mp. or exp Blood Transfusion/ or transfus*.mp. or blood cells.mp. or exp Blood Cells/	1101952
2	exp platelet count/ or platelet count.mp. or Platelet transfusion.mp. or exp Platelet Transfusion/ or platelet*.mp.	269006
3	(Therapeutic or therap*).mp.	5834141
4	(threshold* or trigger* or count or policy or adminis* or guideline* or dose or dosing or dosage or practice).mp.	5629308
5	1 and 2 and 3 and 4	15838
6	limit 5 to (yr="2014 -Current" and "all adult (19 plus years)")	1746

Embase 1974 to 2019 August 27

1	blood transfusion.ti,ab. or exp Blood Transfusion/ or transfus*.ti,ab. or blood cells.ti,ab. or exp Blood Cells/	1623271
2	exp platelet count/ or platelet count.mp. or Platelet transfusion.mp. or exp Platelet Transfusion/ or platelet*.ti,ab.	301287
3	(Therapeutic or therap*).ti,ab.	3721567
4	(threshold* or trigger* or count or policy or adminis* or guideline* or dose or dosing or dosage or practice).ti,ab.	4905458
5	1 and 2 and 3 and 4	17096
6	limit 5 to (yr="2014 -Current" and adult <18 to 64 years>)	2769

EBM Reviews - Cochrane Central Register of Controlled Trials July 2019

exp platelet transfusion/ results 293