



Søgeprotokol for opdatering på NKR (nr.9)

Projekttitel/aspekt	NKR for Indikation for transfusion med blodkomponenter Opdateret søgning på PICO's
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Senest opdateret	19. marts 2018

Baggrund	<p>Opdatering af NKR for Indikation for transfusion med blodkomponenter på PICO 1, 2, 4, 5 og 10</p> <p>PICO 1 - Er en restriktiv transfusionsstrategi at foretrække fremfor en liberal strategi, hos indlagte kredsløbsstabile patienter, hvor transfusion af erythrocytter overvejes?</p> <p>PICO 2 – Er en restriktiv transfusionsstrategi at foretrække fremfor en liberal strategi, hos indlagte kredsløbsstabile patienter med kroniske hjertesygdom, hvor transfusion af erythrocytter overvejes?</p> <p>PICO 4 - Er TEG®/ROTEM® at foretrække frem for konventionelle analyser med trombocytal, APTT og INR, til monitorering af hæmostasen hos blødende patienter, når transfusion af plasma og trombocytter overvejes?</p> <p>PICO 5 - Hvilken transfusionsstrategi er at foretrække til patienter med malign hæmatologisk lidelse, som har anæmi, og hvor behandlingen forventes at kunne gøre patienterne raske?</p> <p>PICO 10 - Er balanceret komponentterapi svarende til fuldblod at foretrække til patienter med livstruende blødning fremfor transfusion med en anden erythrocyt til plasma/trombocytratio?</p>
Søgetermer	Se under pågældende PICO's søgestrategier
Inklusions- og eksklusionskriterier	Tidsafgrænsning: 2013 til juli 2017 Publikationstyper: Randomized Controlled Trials, RCT

Informationskilder

DATABASER	INTERFACE	DATO FOR SØGNING
Medline	OVID	25. oktober 2017 – 19. marts 2018
Embase	OVID	25. oktober 2017 – 19. marts 2018

Note

Søgetermer og inklusions- og eksklusionskriterier er tilpasset de enkelte databaser.

- Dubletter er så vidt muligt frasorteret ved hjælp af RefWorks. De fundne referencer overføres til Covidence (referenceværktøj)
- Fuldtekster præsenteres i Covidence i pdf-format
- Søgestrategi for hver enkelt database præsenteres – hvis muligt vises det eksplicit hvor mange referencer den enkelte søgestreng genererer

Søgestrategier og fund

PICO 1

Medline

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	3716
2	blood transfusion/ or blood tranfusion*.mp.	61151
3	erythrocyte transfusion/	8210
4	erythrocyte*.mp. or erythrocyte/	136311
5	red blood cell transfusion*.mp.	3008
6	Blood Component Transfusion*.mp.	3716
7	(liberal* or restrict* or strateg*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1380919
8	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or	601255



	analy*)) or rct).ti,ab,kw.	
9	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	273417
10	((single or double or triple) adj2 (blind* or mask*).ti,ab,kw.	168741
11	8 or 9 or 10	695353
12	1 or 2 or 4 or 5 or 6	200054
13	7 and 12	6169
14	8 or 9 or 10	695353
15	13 and 14	532
16	limit 15 to yr="2013 - 2017"	250
17	limit 16 to (danish or english or norwegian or swedish)	244

Embase

Database(s): **Embase** 1974 to 2017 October 24

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	487
2	blood transfusion/ or blood tranfusion*.mp.	113115
3	erythrocyte transfusion/	21629
4	erythrocyte*.mp. or erythrocyte/	146930
5	red blood cell transfusion*.mp.	4443
6	Blood Component Transfusion*.mp.	487
7	(liberal* or restrict* or strateg*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	1680654
8	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	753151
9	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	342984
10	((single or double or triple) adj2 (blind* or mask*).ti,ab,kw.	208445
11	8 or 9 or 10	872213
12	1 or 2 or 4 or 5 or 6	255671
13	7 and 12	13706
14	8 or 9 or 10	872213
15	13 and 14	1153
16	limit 15 to yr="2013 - 2017"	569

17	limit 16 to (danish or english or norwegian or swedish)	560
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PICO 2 (190318)

Medline

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)** 1946 to Present

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	3616
2	blood transfusion/ or blood tranfusion*.mp.	47456
3	erythrocyte transfusion/	7859
4	erythrocyte*.mp. or erythrocyte/	127835
5	red blood cell transfusion*.mp.	2896
6	Blood Platelets/ or blood platelet*.mp.	77497
7	thrombocyte*.mp.	6497
8	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	561366
9	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	253373
10	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	155936
11	1 or 2 or 3 or 4 or 5 or 6 or 7	258010
12	8 or 9 or 10	648868
13	Cardiovascular Diseases/ or Heart Diseases/ or cardiac disease*.mp.	205717
14	Myocardial Ischemia/ or Coronary Disease/ or ischemic heart disease*.mp.	174303
15	cardiac surger*.mp. or Cardiac Surgical Procedures/	69691
16	Coronary Artery Disease/ or coronary artery disease*.mp.	107098
17	angina*.mp.	67773
18	Cardiovascular Surgical Procedures/ or heart surger*.mp.	21498
19	13 or 14 or 15 or 16 or 17 or 18	548173
20	11 and 12 and 19	731
21	limit 20 to yr="2013 - 2018"	225

Embase (190318)

Database(s): **Embase** 1996 to 2018 Week 12

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	437
2	blood transfusion/ or blood tranfusion*.mp.	84986
3	erythrocyte transfusion/	20780
4	erythrocyte*.mp. or erythrocyte/	78688
5	red blood cell transfusion*.mp.	4314
6	Blood Platelets/ or blood platelet*.mp.	48676
7	thrombocyte*.mp.	192672
8	1 or 2 or 3 or 4 or 5 or 6 or 7	346243
9	Cardiovascular Diseases/ or Heart Diseases/ or cardiac disease*.mp.	39894
10	Myocardial Ischemia/ or Coronary Disease/ or ischemic heart disease*.mp.	107816
11	cardiac surger*.mp. or Cardiac Surgical Procedures/	72561
12	Coronary Artery Disease/ or coronary artery disease*.mp.	164713
13	angina*.mp.	71543
14	Cardiovascular Surgical Procedures/ or heart surger*.mp.	74844
15	9 or 10 or 11 or 12 or 13 or 14	418388
16	"29130845".an.	0
17	8 and 15	20088
18	limit 17 to (randomized controlled trial or controlled clinical trial)	1634
19	limit 18 to yr="2013 - 2018"	454

PICO 4

Medline

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)** 1946 to Present

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	3716
2	blood transfusion/ or blood tranfusion*.mp.	61151
3	erythrocyte transfusion/	8210
4	erythrocyte*.mp. or erythrocyte/	136311



5	red blood cell transfusion*.mp.	3008
6	Blood Component Transfusion*.mp.	3716
7	Blood Platelets/ or blood platelet*.mp.	81600
8	thrombocyte*.mp.	6960
9	bleeding*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	186344
10	Hemorrhage*.mp. or Hemorrhage/	278528
11	Thrombelastograph*.mp.	5144
12	viscoelastic hemostatic assay.mp.	3
13	Thromboelastograph*.mp.	2393
14	ROTEM.mp.	773
15	Rotational Thromboelastometry.mp.	384
16	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8	283449
17	9 or 10	395254
18	11 or 12 or 13 or 15	5972
19	16 and 17 and 18	448
20	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	168741
21	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	273417
22	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	601255
23	20 or 21 or 22	695353
24	19 and 23	71
25	limit 19 to (controlled clinical trial or randomized controlled trial)	54
26	24 or 25	82
27	limit 26 to yr="2013 - 2017"	34
28	limit 26 to yr="2003 - 2017"	70

Har her valgt at overføre resultatet fra Søgæsæt 26, da der er så få hits og PICO er lidt ændret.

Embase

Database(s): **Embase** 1974 to 2017 October 24

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	487
2	blood transfusion/ or blood tranfusion*.mp.	113115
3	erythrocyte transfusion/	21629
4	erythrocyte*.mp. or erythrocyte/	146930
5	red blood cell transfusion*.mp.	4443
6	Blood Component Transfusion*.mp.	487
7	Blood Platelets/ or blood platelet*.mp.	83716
8	thrombocyte*.mp.	264525
9	bleeding*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	444841
10	Hemorrhage*.mp. or Hemorrhage/	406691
11	Thrombelastograph*.mp.	1799
12	viscoelastic hemostatic assay.mp.	14
13	Thromboelastograph*.mp.	7999
14	ROTEM.mp.	1888
15	Rotational Thromboelastometry.mp.	673
16	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8	509835
17	9 or 10	677627
18	11 or 12 or 13 or 15	8550
19	16 and 17 and 18	2107
20	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	208445
21	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	342984
22	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	753151
23	20 or 21 or 22	872213
24	19 and 23	199
25	limit 19 to (controlled clinical trial or randomized controlled trial)	133
26	24 or 25	246
27	limit 26 to yr="2013 - 2017"	114
28	limit 26 to yr="2003 - 2017"	213

PICO 5

Medline

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)** 1946 to Present

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	3716
2	blood transfusion/ or blood tranfusion*.mp.	61151
3	erythrocyte transfusion/	8210
4	erythrocyte*.mp. or erythrocyte/	136311
5	red blood cell transfusion*.mp.	3008
6	Blood Component Transfusion*.mp.	3716
7	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	601255
8	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	273417
9	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	168741
10	Hematologic Neoplasms/ or Hematologic Diseases/	29609
11	Hematologic Diseases/ or hematologic disease*.mp.	19906
12	malignancy.mp.	128111
13	neoplasm*.mp.	2684110
14	Neoplasms/	400761
15	Hematologic Neoplasms.mp. or Hematologic Neoplasms/	11811
16	Anemia/ or anaemia*.mp.	74687
17	leukemia*.mp. or Leukemia/	303292
18	Lymphoma/ or lymphoma*.mp.	231494
19	Stem Cell Transplantation/ or stem cell transplant*.mp.	86373
20	Bone Marrow Transplantation/ or Bone Marrow Transplantation*.mp.	53327
21	16 or 17 or 18 or 19 or 20	634509
22	(liberal* or restrict* or strateg*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1380919
23	1 or 2 or 3 or 4 or 5 or 6	204157
24	7 or 8 or 9	695353
25	10 or 11 or 12 or 13 or 14 or 15	2740835



26	21 and 25	192318
27	22 and 23	6556
28	26 and 27	122
29	24 and 28	21
30	limit 29 to yr="2013 - 2017"	9
31	23 and 26	2145
32	24 and 31	170
33	limit 32 to yr="2013 - 2017"	37

Her er valgt kombinationen 33's resultat da det åbner lidt. Tror at kombinationen med 22 og 23 snævrede resultatet meget så 22 er udeladt i 33.

Embase

Database(s): **Embase** 1974 to 2017 October 24

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	487
2	blood transfusion/ or blood tranfusion*.mp.	113115
3	erythrocyte transfusion/	21629
4	erythrocyte*.mp. or erythrocyte/	146930
5	red blood cell transfusion*.mp.	4443
6	Blood Component Transfusion*.mp.	487
7	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	753151
8	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	342984
9	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	208445
10	Hematologic Neoplasms/ or Hematologic Diseases/	14109
11	Hematologic Diseases/ or hematologic disease*.mp.	25916
12	malignancy.mp.	203122
13	neoplasm*.mp.	749858
14	Neoplasms/	36956
15	Hematologic Neoplasms.mp. or Hematologic Neoplasms/	13554
16	Anemia/ or anaemia*.mp.	179145
17	leukemia*.mp. or Leukemia/	417778

18	Lymphoma/ or lymphoma*.mp.	290315
19	Stem Cell Transplantation/ or stem cell transplant*.mp.	137111
20	Bone Marrow Transplantation/ or Bone Marrow Transplantation*.mp.	67480
21	16 or 17 or 18 or 19 or 20	924637
22	(liberal* or restrict* or strateg*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	1680654
23	1 or 2 or 3 or 4 or 5 or 6	269475
24	7 or 8 or 9	872213
25	10 or 11 or 12 or 13 or 14 or 15	933794
26	21 and 25	116507
27	22 and 23	14738
28	26 and 27	360
29	24 and 28	47
30	limit 29 to yr="2013 - 2017"	27
31	23 and 26	3511
32	24 and 31	216
33	limit 32 to yr="2013 - 2017"	82

PICO 10

Medline

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**

Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	3716
2	blood transfusion/ or blood tranfusion*.mp.	61151
3	erythrocyte transfusion/	8210
4	erythrocyte*.mp. or erythrocyte/	136311
5	red blood cell transfusion*.mp.	3008
6	Blood Platelets/ or blood platelet*.mp.	81600
7	thrombocyte*.mp.	6960
8	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	601255



9	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	273417
10	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	168741
11	bleeding*.mp.	186344
12	Hemorrhage*.mp. or Hemorrhage/	278528
13	11 or 12	395254
14	1 or 2 or 3 or 4 or 5 or 6 or 7	283449
15	8 or 9 or 10	695353
16	13 and 14 and 15	1483
17	limit 16 to yr="2013 - 2017"	524

Embase

Database(s): **Embase** 1996 to 2017 Week 43
Search Strategy:

#	Searches	Results
1	Blood Component Transfusion*.mp.	428
2	blood transfusion/ or blood tranfusion*.mp.	83652
3	erythrocyte transfusion/	20360
4	erythrocyte*.mp. or erythrocyte/	77589
5	red blood cell transfusion*.mp.	4200
6	Blood Platelets/ or blood platelet*.mp.	46980
7	thrombocyte*.mp.	190370
8	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	660039
9	(placebo* or single-blind* or double-blind* or triple-blind*).ti,ab,kw.	269433
10	((single or double or triple) adj2 (blind* or mask*)).ti,ab,kw.	156944
11	bleeding*.mp.	359766
12	Hemorrhage*.mp. or Hemorrhage/	305870
13	11 or 12	538000
14	1 or 2 or 3 or 4 or 5 or 6 or 7	341432
15	8 or 9 or 10	748785
16	13 and 14 and 15	6053
17	limit 16 to yr="2013 - 2017"	2485
18	mortality/ or mortality rate/ or mortality risk/ or mortality.mp.	1019210



19	17 and 18	733
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Kombineret med "mortality" i Embase for at fjerne noget af "støjen". Søge sæt 19, 733 fund er overført.