

Søgeprotokol for Nationale Kliniske Retningslinjer

Projektitel/aspekt	NKR for NKR for udredning og behandling af epilepsi hos børn og unge – PIRO/PICO primær søgning og supplerende søgninger
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Senest opdateret	15. december 2014

Baggrund	<p>PICO/PIROs:</p> <p>PIRO 1 (udgået) Hvad er effekten af at anvende en systematisk epilepsiklassifikation på diagnosetidspunktet i udredningen af børn med mulig epilepsi?</p> <p>PIRO 2 (=PICO 1) Hvad er effekten af MR scanning til børn og unge mellem 2 og 18 år med epilepsi uden formodet strukturel årsag?</p> <p>PICO 3 (=PICO 2) Bør der foretages langtids video-EEG ved diagnostisk uafklarede anfald hos børn og unge < 18 år, som ikke er opstartet antiepileptisk behandling?</p> <p>PICO 4 (=PICO 3) Bør der foretages langtids video-EEG ved diagnostisk uafklarede anfald hos børn og unge < 18 år som er i antiepileptisk behandling?</p> <p>PICO 5 (=PICO 4) Bør man overveje medicinseponering efter 2 års anfaldsfrihed for børn og unge < 18 år med epilepsi med strukturel årsag?</p> <p>PICO 6 (=PICO 5) Er der forskel i effekt ved behandling af epileptiske anfald > 3-5 minutter med diazepam (rektalt) vs. midazolam (buccalt) som førstevalg hos børn og unge < 18 år?</p>
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	<p>PICO 7 (=PICO 6) Bør man behandle børn og unge < 18 år med status epilepticus med valproat iv eller phosphenytoin/phenytoin iv efter benzodiazepin iv?</p> <p>PICO 8 (=PICO 7) Bør man behandle børn og unge < 18 år med status epilepticus med levetiracetam iv eller phosphenytoin/phenytoin iv efter benzodiazepin iv?</p> <p>PICO 9 (= PICO 8,9 og10) Bør et barn/ung < 18 år med medicinsk intraktabel epilepsi udredes med henblik på non-farmakologisk intervention?</p> <p>OBS. Angivelsen i parentes henviser til rapportens nummerering)</p>
søgetermer	Se søgestrategierne under de enkelte PICO's
Inklusions- og eksklusionskriterier	<p>Sprog: Engelsk, dansk, norsk og svensk</p> <p>År: angivet i søgestrategien</p> <p>Population: (Børn og unge)</p> <p>Publikationstyper: primær litteratur - RCT</p>

Informationskilder

Database	Interface	Dato for søgning
Medline	OVID	5. november - 8. december 2014
EMBASE	OVID	5. november - 8. december 2014

Note

- Søgetermer og inklusions- og eksklusionskriterier er tilpasset de enkelte databaser.
- De fundne referencer afleveres så vidt muligt via RefWorks – hvor dubletter så vidt muligt er frasorteret før der importeres til Covidence.
- Søgestrategi for hver enkelt database præsenteres – hvis muligt vises det eksplicit hvor mange referencer de enkelte søgeord generere

Søgestrategi

PIRO 1

Hvad er effekten af at anvende en systematisk epilepsiklassifikation på diagnostidspunktet i udredningen af børn med mulig epilepsi?

Medline (051114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present
Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14044
2	Epilepsy/ or epilepsy.mp.	108878
3	exp Epilepsy/	134023
4	1 or 2 or 3	150105
5	convulsion*.mp.	16897
6	(epileptic adj1 fit*).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]	298
7	1 or 2 or 3 or 4 or 5 or 6	156472
8	first seizure*.mp.	956
9	(first adj3 seizure*).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]	2266
10	(first adj2 seizure*).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]	1575
11	classification*.mp. or Classification/ or "International Classification of Diseases"/	226136
12	8 or 9 or 10 or 11	228324
13	observational study.mp. or Observational Study/	41321
14	observational studies.mp.	14071
15	Cohort Studies/ or cohort stud*.mp.	234738
16	7 and 12	5095
17	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized	388107

	Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.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]	
18	13 or 14 or 15 or 17	660518
19	7 and 12 and 18	411

Embase (051114)

Database(s): Embase 1974 to 2014 November 04

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	8013
2	Epilepsy/ or epilepsy.mp.	160679
3	exp Epilepsy/	177846
4	1 or 2 or 3	191486
5	convulsion*.mp.	38332
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	521
7	1 or 2 or 3 or 4 or 5 or 6	218218
8	first seizure*.mp.	1485
9	(first adj3 seizure*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	3480
10	(first adj2 seizure*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	2427
11	classification*.mp. or Classification/ or "International Classification of Diseases"/	547435
12	8 or 9 or 10 or 11 Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized	550696
13	Controlled study*.mp. or randomized trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	139509
14	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	2979362
15	observational study.mp. or Observational Study/	83027

16	observational studies.mp.	16919
17	Cohort Studies/ or cohort stud*.mp.	223546
18	7 and 12	10901
19	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	749925
20	15 or 16 or 17 or 19	1034658
21	7 and 12 and 20	709

PIRO 2

Hvad er effekten af MR scanning til børn og unge mellem 2 og 18 år med epilepsi uden formodet strukturel årsag?

Medline (111114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14419
2	Epilepsy/ or epilepsy.mp.	111097
3	exp Epilepsy/	136435
4	1 or 2 or 3	152509
5	convulsion*.mp. (epileptic adj1 fit*).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]	16967
6	6	302
7	1 or 2 or 3 or 4 or 5 or 6	158886
8	Magnetic Resonance Imaging/ or mri.mp.	353226
9	imaging*.mp.	745505
10	aetiology.mp.	37952
11	8 or 9 or 10	803458
12	7 and 11	18604
13	limit 12 to yr="2003 - 2014"	12190

14	7 and 8	14361
	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical	
15	trial*.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]	389047
16	14 and 15	111

Embase (111114)

Database(s): **Embase** 1974 to 2014 November 10

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	8030
2	Epilepsy/ or epilepsy.mp.	161086
3	exp Epilepsy/	178286
4	1 or 2 or 3	191945
5	convulsion*.mp.	38375
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	521
7	1 or 2 or 3 or 4 or 5 or 6	218691
8	Magnetic Resonance Imaging/ or mri.mp.	518105
9	imaging*.mp.	1034201
10	aetiology.mp.	48243
11	8 or 9 or 10	1092113
12	7 and 11	33134
13	limit 12 to yr="2003 - 2014"	26102
14	7 and 8	25995
	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical	
15	trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	751094
16	14 and 15	395

PIRO 2 - MRI og observationelle studier suppl.søgning (151214)

Tegnet * ved søgeordet "MRI" betyder at der er søgt fokuseret (ikke exploderet).

Medline (151214)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14475
2	Epilepsy/ or epilepsy.mp.	111849
3	exp Epilepsy/	136857
4	1 or 2 or 3	153360
5	convulsion*.mp. (epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading	17018
6	word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	303
7	1 or 2 or 3 or 4 or 5 or 6 (infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, original title,	159780
8	name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	3296313
9	*Magnetic Resonance Imaging/ or mri.mp. ((cohort* or perspective or prospective or longitud* or follow-up or followup or retro-spective or	217375
10	retrospective or case-control* or case control* or observational or cross-section* or epidemiologic*) adj3 (stud* or trial* or analys*).ti,ab,hw,kw,sh,pt.	2070708
11	7 and 8 and 9 and 10	1354
12	limit 11 to (yr="2003 -Current" and (danish or english or norwegian or swedish))	873

Embase (151214)

Database(s): Embase 1996 to 2014 Week 50

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6177
2	Epilepsy/ or epilepsy.mp.	110481
3	exp Epilepsy/	122799

4	1 or 2 or 3	132848
5	convulsion*.mp.	20324
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	190
7	1 or 2 or 3 or 4 or 5 or 6	145611
8	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	1749149
9	*Magnetic Resonance Imaging/ or mri.mp.	256410
10	((cohort* or perspective or prospective or longitud* or follow-up or followup or retro-spective or retrospective or case-control* or case control* or observational or cross-section* or epidemiologic*) adj3 (stud* or trial* or analys*)).ti,ab,hw,kw,sh,pt.	1419798
11	7 and 8 and 9 and 10	833
12	limit 11 to (yr="2003 -Current" and (danish or english or norwegian or swedish))	691

PICO 3

Bør der foretages langtids video-EEG ved diagnostisk uafklarede anfald hos børn og unge < 18 år, som ikke er opstartet antiepileptisk behandling?

og

PICO 4

Bør der foretages langtids video-EEG ved diagnostisk uafklarede anfald hos børn og unge < 18 år som er i antiepileptisk behandling?

Medline (121114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14420
2	Epilepsy/ or epilepsy.mp.	111099
3	exp Epilepsy/	136435
4	1 or 2 or 3	152511
5	convulsion*.mp.	16967
6	(epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept	302

	word, unique identifier]	
7	1 or 2 or 3 or 4 or 5 or 6	158888
8	aetiology.mp.	37953
9	eeg.mp. or Electroencephalography/	138977
10	video EEG.mp.	2134
	(video adj3 eeg).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	
11	keyword heading word, protocol supplementary concept word, rare disease supplementary concept word,	2666
	unique identifier]	
12	long term video eeg*.mp.	154
13	continuous video EEG*.mp.	102
	(long term* adj3 video EEG).mp. [mp=title, abstract, original title, name of substance word, subject	
14	heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary	178
	concept word, unique identifier]	
	(continuous adj1 video EEG).mp. [mp=title, abstract, original title, name of substance word, subject	
15	heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary	102
	concept word, unique identifier]	
16	video eeg monitoring*.mp.	971
17	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16	176495
	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized	
	Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical	
18	trial*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword	389076
	heading word, protocol supplementary concept word, rare disease supplementary concept word, unique	
	identifier]	
	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, original title,	
19	name of substance word, subject heading word, keyword heading word, protocol supplementary concept	3281804
	word, rare disease supplementary concept word, unique identifier]	
20	7 and 17	39652
21	18 and 20	487
22	19 and 21	296

Embase (121114)

Database(s): Embase 1974 to 2014 November 11

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	8033
2	Epilepsy/ or epilepsy.mp.	161123
3	exp Epilepsy/	178324
4	1 or 2 or 3	191988
5	convulsion*.mp.	38381
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	521
7	1 or 2 or 3 or 4 or 5 or 6	218738
8	aetiology.mp.	48254
9	eeg.mp. or Electroencephalography/	141484
10	video EEG.mp.	4241
11	(video adj3 eeg).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	4972
12	long term video eeg*.mp.	315
13	continuous video EEG*.mp.	285
14	(long term* adj3 video EEG).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	366
15	(continuous adj1 video EEG).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	284
16	video eeg monitoring*.mp.	1886
17	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16	189210
18	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	751287
19	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	2984502
20	7 and 17	45758

21 18 and 20	910
22 19 and 21	425

PIRO 3 og 4 A Søgning på observationelle studier, på video-EEG

Medline (121214) Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14475
2	Epilepsy/ or epilepsy.mp.	111849
3	exp Epilepsy/	136857
4	1 or 2 or 3	153360
5	convulsion*.mp.	17018
6	(epileptic adj1 fit*).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]	303
7	1 or 2 or 3 or 4 or 5 or 6	159780
8	video EEG.mp.	2155
9	(video adj3 eeg).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]	2692
10	long term video eeg*.mp.	155
11	continuous video EEG*.mp.	104
12	(long term* adj3 video EEG).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]	179
13	(continuous adj1 video EEG).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]	104
14	video eeg monitoring*.mp.	976
15	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept	3296313

word, rare disease supplementary concept word, unique identifier]	
((cohort* or perspective or prospective or longitud* or follow-up or followup or retro-spective or retrospective or case-control* or case control* or observational or cross-section* or epidemiologic*) adj3 (stud* or trial* or analys*)).ti,ab,hw,kw,sh,pt.	2070708
17 8 or 9 or 10 or 11 or 12 or 13 or 14	2693
18 7 and 15 and 16 and 17	518
19 limit 18 to (yr="2003 -Current" and (danish or english or norwegian or swedish))	356

Embase (121214)

Database(s): Embase 1996 to 2014 Week 49

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6165
2	Epilepsy/ or epilepsy.mp.	110274
3	exp Epilepsy/	122521
4	1 or 2 or 3	132554
5	convulsion*.mp.	20265
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	190
7	1 or 2 or 3 or 4 or 5 or 6	145283
8	video EEG.mp.	4065
9	(video adj3 eeg).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	4673
10	long term video eeg*.mp.	312
11	continuous video EEG*.mp.	281
12	(long term* adj3 video EEG).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	363
13	(continuous adj1 video EEG).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	280
14	video eeg monitoring*.mp.	1812
15	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, subject	1745165

headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]

((cohort* or perspective or prospective or longitud* or follow-up or followup or retro-spective or

16 retrospective or case-control* or case control* or observational or cross-section* or epidemiologic*) adj3 (stud* or trial* or analys*) .ti,ab,hw,kw,sh,pt.	1413905
17 8 or 9 or 10 or 11 or 12 or 13 or 14	4675
18 7 and 15 and 16 and 17	306
19 limit 18 to (yr="2003 -Current" and (danish or english or norwegian or swedish))	241

PICO 5

Bør man overveje medicinseponering efter 2 års anfaldsfrihed for børn og unge < 18 år med epilepsi med strukturel årsag?

Medline (141114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14427
2	Epilepsy/ or epilepsy.mp.	111165
3	exp Epilepsy/	136522
4	1 or 2 or 3	152588
5	convulsion*.mp.	16970
6	(epileptic adj1 fit*).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]	302
7	1 or 2 or 3 or 4 or 5 or 6	158967
8	withdrawal*.mp.	82855
9	treatment outcome/	672890
10	8 or 9	750488
11	7 and 10	11061
12	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.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	389380

identifier]	
13 11 and 12	907
(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, original title,	
14 name of substance word, subject heading word, keyword heading word, protocol supplementary concept	3283789
word, rare disease supplementary concept word, unique identifier]	
15 11 and 13 and 14	478

Embase (141114)

Database(s): **Embase** 1974 to 2014 November 13

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	8040
2	Epilepsy/ or epilepsy.mp.	161210
3	exp Epilepsy/	178429
4	1 or 2 or 3	192098
5	convulsion*.mp.	38389
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	521
7	1 or 2 or 3 or 4 or 5 or 6	218849
8	withdrawal*.mp.	217866
9	treatment outcome/	644902
10	8 or 9	839435
11	7 and 10	16271
12	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	751573
13	11 and 12	2146
14	(infant* or child* or children* or preschool child* or adolescent*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	2985346
15	11 and 13 and 14	787

PICO 6

Er der forskel i effekt ved behandling af epileptiske anfald > 3-5 minutter med diazepam (rektalt) vs. midazolam (buccalt) som førstvalg hos børn og unge < 18 år?

Medline (101114) 2

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14417
2	Epilepsy/ or epilepsy.mp.	111085
3	exp Epilepsy/	136435
4	1 or 2 or 3	152496
5	convulsion*.mp. (epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	16964
6	keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	302
7	1 or 2 or 3 or 4 or 5 or 6	158870
8	acute medication*.mp.	189
9	rectal*.mp. or Administration, Rectal/	92727
10	Benzodiazepines/ or benzodiapine*.mp.	19437
11	midazolam*.mp.	11654
12	diazepam*.mp.	24396
13	oral*.mp. or Administration, Oral/	576362
14	8 or 9 or 10 or 11 or 12 or 13 Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical	711416
15	trial*.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]	388981
16	7 and 14	8569
17	7 and 14 and 15	380
18	limit 17 to yr="2009 - 2014"	102

Embase (101114)

Database(s): Embase 1996 to 2014 Week 45

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6103
2	Epilepsy/ or epilepsy.mp.	109204
3	exp Epilepsy/	121306
4	1 or 2 or 3	131278
5	convulsion*.mp.	20134
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	189
7	1 or 2 or 3 or 4 or 5 or 6	143958
8	acute medication*.mp.	289
9	rectal*.mp. or Administration, Rectal/	67302
10	Benzodiazepines/ or benzodiapine*.mp.	24157
11	midazolam*.mp.	29420
12	diazepam*.mp.	29911
13	oral*.mp. or Administration, Oral/	512203
14	8 or 9 or 10 or 11 or 12 or 13	641221
15	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	619029
16	7 and 14	14301
17	7 and 14 and 15	1478
18	limit 17 to yr="2009 - 2014"	664

OBS Medline søgt uden "børn" men med RCT og årstalsafgrænsning = 102 ref. I Embase, er der tilføjet "børn" + RCT + årstalsafgrænsning ellers forkom der rigtig meget støj især i Embase.(101114/BHP)

PICO 7

Bør man behandle børn og unge < 18 år med status epilepticus med valproat iv eller fosphenytoin/phenytoin iv efter benzodiazepin iv?

Medline (071114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14415
2	Epilepsy/ or epilepsy.mp.	111061
3	exp Epilepsy/	136435
4	1 or 2 or 3	152472
5	convulsion*.mp. (epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading	16961
6	word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	302
7	1 or 2 or 3 or 4 or 5 or 6	158843
8	medication administration*.mp.	1704
9	administration medication*.mp.	20
10	Medication Adherence/	8800
11	medication*.mp.	233220
12	Status Epilepticus/ or status epilepticus*.mp.	9829
13	valproate*.mp.	8040
14	Valproic Acid/ or valproate*.mp.	13869
15	fosphenytoin*.mp.	6
16	Anticonvulsants/	44047
17	Phenytoin/ or phenytoin*.mp. (seizure* adj3 relief*).mp. [mp=title, abstract, original title, name of substance word, subject heading	17101
18	word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	136
19	seizure relief*.mp.	72
20	8 or 9 or 10 or 11	233220
21	11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	297507

22	(child* or children* or adolescent* or preschool child*).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]	1976076
23	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.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]	388927
24	20 or 21	297507
25	7 and 24	41822
26	23 and 25	1841
27	limit 26 to yr="2012 - 2014"	256

Embase (071114)

Database(s): **Embase** 1996 to 2014 Week 44

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6092
2	Epilepsy/ or epilepsy.mp.	108806
3	exp Epilepsy/	120835
4	1 or 2 or 3	130787
5	convulsion*.mp.	20082
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	189
7	1 or 2 or 3 or 4 or 5 or 6	143434
8	medication administration*.mp.	2014
9	administration medication*.mp.	26
10	Medication Adherence/	5382
11	medication*.mp.	266788
12	Status Epilepticus/ or status epilepticus*.mp.	13590
13	valproate*.mp.	12348
14	Valproic Acid/ or valproate*.mp.	41449

15	phosphenytoin*.mp.	23
16	Anticonvulsants/	46521
17	Phenytoin/ or phenytoin*.mp.	29407
18	(seizure* adj3 relief*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	91
19	seizure relief*.mp.	55
20	8 or 9 or 10 or 11	266788
21	11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	353644
22	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	617236
23	20 or 21	353644
24	7 and 23	49103
25	22 and 24	3528
26	limit 25 to yr="2012 - 2014"	807

PICO 7 A (kun voksne) supplerende søgning referencerne fra tidligere søgning på PICO7 blevet gennemgået med voksne som fokus. De irrelevante referencer blev flyttet tilbage til screen og gennemgået igen.

PICO 7 B (Valproat, phosphenytoin og levetiracetam) supplerende søgning

Medline (081214)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14473
2	Epilepsy/ or epilepsy.mp.	111793
3	exp Epilepsy/	136857
4	1 or 2 or 3	153304
5	convulsion*.mp.	17011

(epileptic adj1 fit*).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]	303
7 1 or 2 or 3 or 4 or 5 or 6	159717
8 medication administration*.mp.	1727
9 administration medication*.mp.	20
10 Medication Adherence/	8991
11 medication*.mp.	235808
12 Status Epilepticus/ or status epilepticus*.mp.	9908
13 valproate*.mp.	8109
14 Valproic Acid/ or valproate*.mp.	13968
15 phosphenytoin*.mp.	6
16 Anticonvulsants/	44243
17 Phenytoin/ or phenytoin*.mp.	17167
18 levetiracetam*.mp.	2233
19 13 or 14 or 15 or 16 or 17 or 18	63306
20 7 and 19	32962
21 adverse event*.mp.	87878
22 adverse reaction*.mp.	46421
23 "Drug-Related Side Effects and Adverse Reactions"/ or adverse drug reaction*.mp.	34115
24 "Drug-Related Side Effects and Adverse Reactions"/ or adverse drug event*.mp.	24671
25 21 or 22 or 23 or 24	140072
26 20 and 25	1520
27 limit 26 to yr="2004 - 2014"	993
28 limit 27 to (danish or english or norwegian or swedish)	933

Embase (081214)

Database(s): **Embase** 1996 to 2014 Week 49

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6165

2	Epilepsy/ or epilepsy.mp.	110274
3	exp Epilepsy/	122521
4	1 or 2 or 3	132554
5	convulsion*.mp.	20265
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	190
7	1 or 2 or 3 or 4 or 5 or 6	145283
8	medication administration*.mp.	2037
9	administration medication*.mp.	27
10	Medication Adherence/	5813
11	medication*.mp.	270438
12	Status Epilepticus/ or status epilepticus*.mp.	13833
13	valproate*.mp.	12448
14	Valproic Acid/ or valproate*.mp.	41765
15	phosphenytoin*.mp.	23
16	Anticonvulsants/	46954
17	Phenytoin/ or phenytoin*.mp.	29644
18	levetiracetam*.mp.	4049
19	13 or 14 or 15 or 16 or 17 or 18	93516
20	7 and 19	38523
21	adverse event*.mp.	128614
22	adverse reaction*.mp.	24204
23	"Drug-Related Side Effects and Adverse Reactions"/ or adverse drug reaction*.mp.	40375
24	"Drug-Related Side Effects and Adverse Reactions"/ or adverse drug event*.mp.	32721
25	21 or 22 or 23 or 24	182199
26	20 and 25	2463
27	limit 26 to yr="2004 - 2014"	2043
28	limit 27 to (danish or english or norwegian or swedish)	1911

PICO 8

Bør man behandle børn og unge < 18 år med status epilepticus med levetiracetam iv eller fosphenytoin/phenytoin iv efter benzodiazepin iv?

Medline (101114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14417
2	Epilepsy/ or epilepsy.mp.	111085
3	exp Epilepsy/	136435
4	1 or 2 or 3	152496
5	convulsion*.mp. (epileptic adj1 fit*).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]	16964
6	1 or 2 or 3 or 4 or 5 or 6	158870
8	medication administration*.mp.	1704
9	administration medication*.mp.	20
10	Medication Adherence/	8800
11	medication*.mp.	233279
12	Status Epilepticus/ or status epilepticus*.mp.	9842
13	valproate*.mp.	8040
14	Valproic Acid/ or valproate*.mp.	13869
15	fosphenytoin*.mp.	6
16	Anticonvulsants/	44047
17	Phenytoin/ or phenytoin*.mp. (seizure* adj3 relief*).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]	17101
18	seizure relief*.mp.	136
19	levetiracetam*.mp.	72
20	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	2205
21		297907

Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.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]	388981
22 7 and 21	41966
23 22 and 23	1852
24 limit 24 to yr="2013 - 2014"	161

Embase (101114)

Database(s): **Embase** 1996 to 2014 Week 45

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6103
2	Epilepsy/ or epilepsy.mp.	109204
3	exp Epilepsy/	121306
4	1 or 2 or 3	131278
5	convulsion*.mp.	20134
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	189
7	1 or 2 or 3 or 4 or 5 or 6	143958
8	medication administration*.mp.	2022
9	administration medication*.mp.	26
10	Medication Adherence/	5492
11	medication*.mp.	268306
12	Status Epilepticus/ or status epilepticus*.mp.	13651
13	valproate*.mp.	12383
14	Valproic Acid/ or valproate*.mp.	41527
15	phosphenytoin*.mp.	23
16	Anticonvulsants/	46638
17	Phenytoin/ or phenytoin*.mp.	29436
18	(seizure* adj3 relief*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	91

19 seizure relief*.mp.	55
20 levetiracetam*.mp.	4000
21 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	356362
Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized	
22 Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical	619029
trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device	
manufacturer, drug manufacturer, device trade name, keyword]	
23 7 and 21	49928
24 22 and 23	3621
25 limit 24 to yr="2013 - 2014"	514

PICO 9

Bør et barn/ung < 18 år med medicinsk intraktabel epilepsi udredes med henblik på non-farmakologisk intervention?

Medline (251114)

Database(s): Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	14428
2	Epilepsy/ or epilepsy.mp.	111238
3	exp Epilepsy/	136565
4	1 or 2 or 3	152668
5	convulsion*.mp.	16978
6	(epileptic adj1 fit*).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]	302
7	1 or 2 or 3 or 4 or 5 or 6	159053
8	treatment refractor*.mp.	1582
9	Drug Resistance/ or drug resistant*.mp.	61559
10	tertiary center*.mp.	1887
11	tertiary referral center*.mp.	4919
12	Tertiary Care Centers/ or Tertiary Prevention/ or Tertiary Healthcare/	2715

13 "referral and consultation"/ or tertiary healthcare/	53628
14 specialized consultative care*.mp.	1
15 Vagus Nerve/ or vagus nerve stimulation*.mp. or Vagus Nerve Stimulation/	21414
16 Vagus Nerve/ or vagus nerve*.mp. or Vagus Nerve Stimulation/	23940
17 epilepsy surger*.mp.	3613
(epilepsy and surgery).mp. [mp=title, abstract, original title, name of substance word, subject heading	
18 word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept	7685
word, unique identifier]	
19 Ketogenic Diet/ or ketogenic diet*.mp.	1504
20 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	157035
21 7 and 20	12337
Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized	
Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical	
22 trial*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword	389653
heading word, protocol supplementary concept word, rare disease supplementary concept word, unique	
identifier]	
23 21 and 22	358
24 limit 23 to yr="2009 - 2014"	141

Embase (251114)

Database(s): Embase 1996 to 2014 Week 47

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6134
2	Epilepsy/ or epilepsy.mp.	109645
3	exp Epilepsy/	121795
4	1 or 2 or 3	131774
5	convulsion*.mp.	20163
6	(epileptic adj1 fit*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	189
7	1 or 2 or 3 or 4 or 5 or 6	144449
8	treatment refractor*.mp.	1991
9	Drug Resistance/ or drug resistant*.mp.	45925

10	tertiary center*.mp.	3130
11	tertiary referral center*.mp.	6042
12	Tertiary Care Centers/ or Tertiary Prevention/ or Tertiary Healthcare/	63947
13	"referral and consultation"/ or tertiary healthcare/	79814
14	specialized consultative care*.mp.	0
15	Vagus Nerve/ or vagus nerve stimulation*.mp. or Vagus Nerve Stimulation/	12760
16	Vagus Nerve/ or vagus nerve*.mp. or Vagus Nerve Stimulation/	14538
17	epilepsy surger*.mp.	5928
18	(epilepsy and surgery).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	13348
19	Ketogenic Diet/ or ketogenic diet*.mp.	2672
20	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	199142
21	7 and 20	20178
22	Randomized Controlled Trials as Topic/ or randomized controlled trial*/ or RCT.mp. or Randomized Controlled study*.mp. or randomized trial*.mp. or placebo.mp. or doublet blind.mp. or controlled clinical trial*.mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	618544
23	21 and 22	840
24	limit 23 to yr="2009 - 2014"	460