

## Søgeprotokol for Nationale Kliniske Retningslinjer

<b>Projekttitel/aspekt</b>	NKR for NKR for udredning og behandling af epilepsi hos børn og unge – PIRO/PICO sekundær litteratur
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<b>Senest opdateret</b>	27. oktober 2014

<b>Baggrund</b>	<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 &lt; 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 &lt; 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 &lt; 18 år med epilepsi med strukturel årsag?</p> <p>PICO 6 (=PICO 5) Er der forskel i effekt ved behandling af epileptiske anfald &gt; 3-5 minutter med diazepam (rektalt) vs. midazolam (buccalt) som førstevalg hos børn og unge &lt; 18 år?</p>
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	<p>PICO 7 (=PICO 6) Bør man behandle børn og unge &lt; 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 &lt; 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 &lt; 18 år med medicinsk intraktabel epilepsi udredes med henblik på non-farmakologisk intervention?</p> <p>OBS. Angivelsen i parentes henviser til rapportens nummerering)</p>
<b>søgetermer</b>	Se søgestrategierne under de enkelte PICO's
<b>Inklusions- og eksklusionskriterier</b>	<p>Sprog: Engelsk, dansk, norsk og svensk</p> <p>År: angivet i søgestrategien</p> <p>Population: (Børn og unge)</p> <p>Publikationstyper: systematiske reviews (og primærlitteratur)</p>

## Informationskilder

Database	Interface	Dato for søgning
The Cochrane library	Internettet	13. – 21.oktober 2014
Medline	OVID	13. – 21.oktober 2014
EMBASE	OVID	13. – 21.oktober 2014
PSYCINFO	OVID	13. – 21.oktober 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 diagnosetidspunktet i udredningen af børn med mulig epilepsi?

### Medline (14.10.14)

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.	14019
2	Epilepsy/ or epilepsy.mp.	108634
3	exp Epilepsy/	133843
4	1 or 2 or 3	149820
5	convulsion*.mp.	16878
	(epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	
6	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	156178
8	classification*.mp. or Classification/ or "International Classification of Diseases"/	225359
9	first seizure*.mp.	954
	(first adj3 seizure*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	
10	keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	2262
	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp.	
11	[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]	130311
12	8 or 9 or 10	227543
13	7 and 11 and 12	66
14	limit 13 to yr="2003 - 2014"	53

## EMBASE (14.10.14)

Database(s): Embase 1996 to 2014 Week 41

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6085
2	Epilepsy/ or epilepsy.mp.	108560
3	exp Epilepsy/	120575
4	1 or 2 or 3	130494
5	convulsion*.mp.	20045
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	143118
8	classification*.mp. or Classification/ or "International Classification of Diseases"/	395161
9	first seizure*.mp.	1173
10	(first adj3 seizure*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	2738
11	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	184912
12	8 or 9 or 10	397710
13	7 and 11 and 12	148
14	limit 13 to yr="2003 - 2014"	133

## PSYCINFO (14.10.14)

Database(s): PsycINFO 1806 to October Week 2 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1341
2	Epilepsy/ or epilepsy.mp.	26402
3	exp Epilepsy/	19732
4	1 or 2 or 3	27329

5	convulsion*.mp.	2942
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29556
8	classification*.mp. or Classification/ or "International Classification of Diseases"/	62947
9	first seizure*.mp.	210
10	(first adj3 seizure*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	478
11	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	27097
12	8 or 9 or 10	63410
13	7 and 11 and 12	12
14	limit 13 to yr="2003 - 2014"	12

## The Cochrane library

Search Name:

Date Run: 14/10/14 10:39:54.371

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	epileptic fit*	77
#3	first seizure*	1476
#4	epilepsy:ti,ab,kw (Word variations have been searched)	3735
#5	convulsion*:ti,ab,kw (Word variations have been searched)	457
#6	epileptic fit*:ti,ab,kw (Word variations have been searched)	19
#7	first seizure*:ti,ab,kw (Word variations have been searched)	561
#8	classification*:ti,ab,kw (Word variations have been searched)	6042
#9	#1 or #2 or #4 or #5 or #6	4539
#10	#7 or #8	6594
#11	#9 and #10	427
#12	#9 and #10 Publication Year from 2003 to 2014, in Other Reviews	32

PIRO 2

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

## Medline (15.10.14)

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.	14019
2	Epilepsy/ or epilepsy.mp.	108642
3	exp Epilepsy/	133843
4	1 or 2 or 3	149828
5	convulsion*.mp.	16879
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	156187
8	Magnetic Resonance Imaging/ or mri.mp.	350630
9	imaging*.mp.	739688
10	aetiology.mp.	37768
11	8 or 9 or 10	797323
12	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).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]	125276
13	7 and 11 and 12	90
14	limit 13 to yr="2003 - 2014"	86

## EMBASE (15.10.14)

Database(s): Embase 1996 to 2014 Week 41

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6085
2	Epilepsy/ or epilepsy.mp.	108560
3	exp Epilepsy/	120575
4	1 or 2 or 3	130494

5	convulsion*.mp.	20045
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	143118
8	Magnetic Resonance Imaging/ or mri.mp.	464331
9	imaging*.mp.	925671
10	aetiology.mp.	34954
11	8 or 9 or 10	968208
	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	
12	[mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	180299
13	7 and 11 and 12	240
14	limit 13 to yr="2003 - 2014"	229

## PSYCINFO (15.10.14)

Database(s): PsycINFO 1806 to October Week 2 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1341
2	Epilepsy/ or epilepsy.mp.	26402
3	exp Epilepsy/	19732
4	1 or 2 or 3	27329
5	convulsion*.mp.	2942
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29556
8	Magnetic Resonance Imaging/ or mri.mp.	26529
9	imaging*.mp.	53982
10	aetiology.mp.	3595
11	8 or 9 or 10	63417
12	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	25012

13 7 and 11 and 12 12  
 14 limit 13 to yr="2003 - 2014" 12

### The Cochrane library (15.10.14)

Search Name:

Date Run: 15/10/14 10:28:45.993

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	epileptic fit*	77
#3	epilepsy:ti,ab,kw (Word variations have been searched)	3735
#4	convulsion*:ti,ab,kw (Word variations have been searched)	457
#5	epileptic fit*:ti,ab,kw (Word variations have been searched)	19
#6	MeSH descriptor: [Magnetic Resonance Imaging] explode all trees	5679
#7	Magnetic Resonance Imaging\$:ti,ab,kw (Word variations have been searched)	8275
#8	MRI*:ti,ab,kw (Word variations have been searched)	3909
#9	#6 or #7 or #8	9318
#10	#1 or #2 or #3 or #4 or #5	4539
#11	#9 and #10	151
#12	#9 and #10 Publication Year from 2003 to 2014, in Other Reviews	5

### 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 (15.10.14)

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.	14019



2	Epilepsy/ or epilepsy.mp.	108642
3	exp Epilepsy/	133843
4	1 or 2 or 3	149828
5	convulsion*.mp.	16879
	(epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	
6	keyword heading word, protocol supplementary concept word, rare disease supplementary concept word,	298
	unique identifier]	
7	1 or 2 or 3 or 4 or 5 or 6	156187
8	aetiology.mp.	37768
9	eeg.mp. or Electroencephalography/	137769
10	video EEG.mp.	2015
	(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,	2532
	unique identifier]	
12	long term video eeg*.mp.	136
13	continuous video EEG*.mp.	98
	(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	157
	concept word, unique identifier]	
15	video eeg monitoring*.mp.	917
	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	
16	[mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word,	125276
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	
17	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15	175130
18	7 and 16 and 17	110
19	limit 18 to yr="2003 - 2014"	95

## EMBASE (15.10.14)

Database(s): Embase 1996 to 2014 Week 41

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6085
2	Epilepsy/ or epilepsy.mp.	108560

3	exp Epilepsy/	120575
4	1 or 2 or 3	130494
5	convulsion*.mp.	20045
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	143118
8	aetiology.mp.	34954
9	eeg.mp. or Electroencephalography/	71310
10	video EEG.mp.	4003
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]	4603
12	long term video eeg*.mp.	306
13	continuous video EEG*.mp.	278
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]	356
15	video eeg monitoring*.mp.	1791
16	electroencephalography/ or electroencephalogram/	93290
17	video.mp. or videorecording/	75505
18	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17	202653
	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	
19	[mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	180299
20	7 and 18 and 19	275
21	limit 20 to yr="2003 - 2014"	261

## PSYCINFO (15.10.14)

Database(s): PsycINFO 1806 to October Week 2 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1341
2	Epilepsy/ or epilepsy.mp.	26402
3	exp Epilepsy/	19732

4	1 or 2 or 3	27329
5	convulsion*.mp.	2942
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29556
8	aetiology.mp.	3595
9	eeg.mp. or Electroencephalography/	30093
10	video EEG.mp.	660
11	(video adj3 eeg).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	801
12	long term video eeg*.mp.	43
13	continuous video EEG*.mp.	33
14	(long term* adj3 video EEG).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	52
15	video eeg monitoring*.mp.	294
16	electroencephalography/ or electroencephalogram/	17648
17	video.mp. or videorecording/	24008
18	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17	56557
19	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	25012
20	7 and 18 and 19	13
21	limit 20 to yr="2003 - 2014"	12

## The Cochrane library (15.10.14)

Search Name:

Date Run: 15/10/14 12:10:49.209

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	epileptic fit* 77	
#3	epilepsy:ti,ab,kw (Word variations have been searched)	3735
#4	convulsion*:ti,ab,kw (Word variations have been searched)	457
#5	epileptic fit*:ti,ab,kw (Word variations have been searched)	19
#6	MeSH descriptor: [Electroencephalography] explode all trees	3994

#7	EEG:ti,ab,kw (Word variations have been searched)	3184
#8	electroencephalography or electroencephalogram*:ti,ab,kw (Word variations have been searched)	4805
#9	long term video EEG*:ti,ab,kw (Word variations have been searched)	6
#10	video EEG:ti,ab,kw (Word variations have been searched)	72
#11	aetiology:ti,ab,kw (Word variations have been searched)	748
#12	#1 or #2 or #3 or #4 or #5	4539
#13	#6 or #7 or #8 or #9 or #10 or #11	6673
#14	#12 and #13	626
#15	#12 and #13 Publication Year from 2003 to 2014, in Other Reviews	25

## PICO 5

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

## Medline (211014)

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.	14029
2	Epilepsy/ or epilepsy.mp.	108694
3	exp Epilepsy/	133889
4	1 or 2 or 3	149895
5	convulsion*.mp. (epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	16882
6	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	156254
8	withdrawal*.mp. (systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	82525
9	[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]	125555
10	treatment outcome/	666183
11	8 or 10	743512
12	7 and 9 and 11	238
13	limit 12 to yr="2011 - 2014"	101

## EMBASE (211014)

Database(s): Embase 1996 to 2014 Week 42

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6087
2	Epilepsy/ or epilepsy.mp.	108623
3	exp Epilepsy/	120653
4	1 or 2 or 3	130578
5	convulsion*.mp.	20058
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	143214
8	withdrawal*.mp. (systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	179330
9	[mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	180590
10	treatment outcome/	625854
11	8 or 10	782280
12	7 and 9 and 11	521
13	limit 12 to yr="2011 - 2014"	206

## PSYCINFO

Database(s): PsycINFO 1806 to October Week 3 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1345
2	Epilepsy/ or epilepsy.mp.	26439
3	exp Epilepsy/	19761
4	1 or 2 or 3	27366
5	convulsion*.mp.	2945
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29595

8	withdrawal*.mp.	27356
9	treatment outcome/	25718
10	exp Treatment/	593519
11	(systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	25082
12	8 or 9 or 10	621375
13	7 and 11 and 12	98
14	limit 13 to yr="2003 - 2014"	92

## The Cochrane library

Search Name:

Date Run: 21/10/14 12:46:49.292

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	convulsion*	722
#3	epileptic fit*	77
#4	MeSH descriptor: [Therapeutics] explode all trees	241741
#5	withdrawal*:ti,ab,kw (Word variations have been searched)	12701
#6	#1 or #2 or #3	2886
#7	treatment*:ti,ab,kw (Word variations have been searched)	350988
#8	#4 or #5	250690
#9	#6 and #8 Publication Year from 2003 to 2014, in Other Reviews	178

## PICO 6

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?

## Medline (211014)

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.	14029
2	Epilepsy/ or epilepsy.mp.	108694
3	exp Epilepsy/	133889

4	1 or 2 or 3	149895
5	convulsion*.mp. (epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading word,	16882
6	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 (systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	156254
8	[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]	125555
9	acute medication*.mp.	189
10	rectal*.mp. or Administration, Rectal/	92462
11	Benzodiazepines/ or benzodiazepine*.mp.	19401
12	midazolam*.mp.	11549
13	diazepam*.mp.	24322
14	oral*.mp. or Administration, Oral/	574362
15	9 or 10 or 11 or 12 or 13 or 14	708994
16	7 and 8 and 15	49
17	limit 16 to yr="2003 - 2014"	40

## EMBASE (211014)

Database(s): Embase 1996 to 2014 Week 42

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6087
2	Epilepsy/ or epilepsy.mp.	108623
3	exp Epilepsy/	120653
4	1 or 2 or 3	130578
5	convulsion*.mp.	20058
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 (systematic review* or meta-analysis or meta-analyses or Meta-Analysis as Topic or Metaanalysis).mp.	143214
8	[mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer,	180590

drug manufacturer, device trade name, keyword]

9	acute medication*.mp.	288
10	rectal*.mp. or Administration, Rectal/	66773
11	Benzodiazepines/ or benzodiapine*.mp.	24050
12	midazolam*.mp.	29332
13	diazepam*.mp.	29826
14	oral*.mp. or Administration, Oral/	509778
15	9 or 10 or 11 or 12 or 13 or 14	638062
16	7 and 8 and 15	318
17	limit 16 to yr="2003 - 2014"	280

## PSYCINFO (211014)

Database(s): PsycINFO 1806 to October Week 3 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1345
2	Epilepsy/ or epilepsy.mp.	26439
3	exp Epilepsy/	19761
4	1 or 2 or 3	27366
5	convulsion*.mp.	2945
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29595
8	(systematic review* or meta-analysis or meta-analysies or Meta-Analysis as Topic or Metaanalysis).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	25082
9	acute medication*.mp.	103
10	rectal*.mp. or Administration, Rectal/	1372
11	Benzodiazepines/ or benzodiapine*.mp.	4426
12	midazolam*.mp.	862
13	diazepam*.mp.	4419
14	oral*.mp. or Administration, Oral/	51883



15 9 or 10 or 11 or 12 or 13 or 14	61502
16 7 and 8 and 15	7
17 limit 16 to yr="2003 - 2014"	7

## The Cochrane library

Search Name:

Date Run: 21/10/14 13:50:00.975

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	convulsion*	722
#3	epileptic fit*	77
#4	#1 or #2 or #3	2886
#5	acute medication*	6342
#6	MeSH descriptor: [Benzodiazepines] explode all trees	7824
#7	benzodiapine*	5
#8	midazolam*	4756
#9	diazepam*	3797
#10	Benzodiazepine*	4740
#11	#5 or #6 or #7 or #8 or #9 or #10	19262
#12	#4 and #11 Publication Year from 2003 to 2014, in Other Reviews	191

## PICO 7 (20.10.14)

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

## Medline

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.	14027
2	Epilepsy/ or epilepsy.mp.	108684
3	exp Epilepsy/	133889
4	1 or 2 or 3	149885
5	convulsion*.mp.	16882
	(epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading	
6	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	156244
8	medication administration*.mp.	1697
9	administration medication*.mp.	19
10	Medication Adherence/	8691
11	medication*.mp.	231851
12	Status Epilepticus/ or status epilepticus*.mp.	9610
13	valproate*.mp.	7892
14	Valproic Acid/ or valproate*.mp.	13651
15	phosphenytoin*.mp.	6
16	Anticonvulsants/	43106
17	Phenytoin/ or phenytoin*.mp.	16989
18	(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]	132
19	seizure relief*.mp.	68
20	8 or 9 or 10 or 11	231851
21	11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	295138
22	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).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]	130577
23	7 and 21 and 22	452
24	limit 23 to yr="2003 - 2014"	385
25	(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]	1967361
26	24 and 25	107
27	limit 26 to (danish or english or norwegian or swedish)	101

## EMBASE (20.10.14)

Database(s): Embase 1996 to 2014 Week 42

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6087
2	Epilepsy/ or epilepsy.mp.	108623
3	exp Epilepsy/	120653
4	1 or 2 or 3	130578
5	convulsion*.mp.	20058
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	143214
8	medication administration*.mp.	2009
9	administration medication*.mp.	26
10	Medication Adherence/	5325
11	medication*.mp.	266391
12	Status Epilepticus/ or status epilepticus*.mp.	13566
13	valproate*.mp.	12334
14	Valproic Acid/ or valproate*.mp.	41392
15	phosphenytoin*.mp.	23
16	Anticonvulsants/	46468
17	Phenytoin/ or phenytoin*.mp.	29376
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	266391
21	11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	353127
22	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	185208
23	7 and 21 and 22	971
24	limit 23 to yr="2003 - 2014"	851
25	(child* or children* or adolescent* or preschool child*).mp. [mp=title, abstract, subject headings, heading	1230541

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

26 24 and 25

232

## PSYCINFO (20.10.14)

Database(s): PsycINFO 1806 to October Week 3 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1345
2	Epilepsy/ or epilepsy.mp.	26439
3	exp Epilepsy/	19761
4	1 or 2 or 3	27366
5	convulsion*.mp.	2945
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29595
8	medication administration*.mp.	331
9	administration medication*.mp.	5
10	Medication Adherence/	0
11	medication*.mp.	64730
12	Status Epilepticus/ or status epilepticus*.mp.	1771
13	valproate*.mp.	2490
14	Valproic Acid/ or valproate*.mp.	3031
15	phosphenytoin*.mp.	0
16	Anticonvulsants/	0
17	Phenytoin/ or phenytoin*.mp.	1028
18	(seizure* adj3 relief*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	53
19	seizure relief*.mp.	24
20	drug therapy.mp. or exp Drug Therapy/	114478
21	drug therapies.mp.	488
22	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp.	27172

[mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]

23 8 or 9 or 10 or 11 or 12 or 13 or 14 or 17 or 18 or 19 or 20 or 21	151915
24 7 and 22 and 23	70
25 limit 24 to yr="2003 - 2014"	65

## The Cochrane library

Search Name:

Date Run: 20/10/14 11:01:38.70

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	epileptic fit*	77
#3	convulsion*	721
#4	#1 or #2 or #3	2885
#5	MeSH descriptor: [Medication Adherence] explode all trees	993
#6	status epilepticus	209
#7	MeSH descriptor: [Status Epilepticus] explode all trees	54
#8	valproate*	1061
#9	phosphenytoin*	1
#10	phenytoin*	1174
#11	Seizure relief*	143
#12	anticonvulsant*	2856
#13	#4 and #14 Publication Year from 2003 to 2014, in Other Reviews	237
#14	#5 or #6 or #7 or #8 or #9 or #10 or #11 or #12	5296
#1	#4 and #16 Publication Year from 2003 to 2014, in Other Reviews	213

## PICO 8

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

## Medline (201014)

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.	14027
2	Epilepsy/ or epilepsy.mp.	108684
3	exp Epilepsy/	133889
4	1 or 2 or 3	149885

5	convulsion*.mp.	16882
	(epileptic adj1 fit*).mp. [mp=title, abstract, original title, name of substance word, subject heading	
6	word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept	298
	word, unique identifier]	
7	1 or 2 or 3 or 4 or 5 or 6	156244
8	medication administration*.mp.	1697
9	administration medication*.mp.	19
10	Medication Adherence/	8691
11	medication*.mp.	231851
12	Status Epilepticus/ or status epilepticus*.mp.	9610
13	valproate*.mp.	7892
14	Valproic Acid/ or valproate*.mp.	13651
15	phosphenytoin*.mp.	6
16	Anticonvulsants/	43106
17	Phenytoin/ or phenytoin*.mp.	16989
	(seizure* adj3 relief*).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	132
	word, unique identifier]	
19	seizure relief*.mp.	68
20	levetiracetam*.mp.	2079
	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp.	
21	[mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word,	130577
	protocol supplementary concept word, rare disease supplementary concept word, unique identifier]	
	(child* or children* or adolescent* or preschool child*).mp. [mp=title, abstract, original title, name of	
22	substance word, subject heading word, keyword heading word, protocol supplementary concept word,	1967361
	rare disease supplementary concept word, unique identifier]	
23	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	295457
24	7 and 21 and 23	456
25	22 and 24	126
26	limit 25 to yr="2003 - 2014"	109

## EMBASE (201014)

Database(s): Embase 1996 to 2014 Week 42

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6087
2	Epilepsy/ or epilepsy.mp.	108623
3	exp Epilepsy/	120653
4	1 or 2 or 3	130578
5	convulsion*.mp.	20058
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	143214
8	medication administration*.mp.	2009
9	administration medication*.mp.	26
10	Medication Adherence/	5325
11	medication*.mp.	266391
12	Status Epilepticus/ or status epilepticus*.mp.	13566
13	valproate*.mp.	12334
14	Valproic Acid/ or valproate*.mp.	41392
15	phosphenytoin*.mp.	23
16	Anticonvulsants/	46468
17	Phenytoin/ or phenytoin*.mp.	29376
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.	3964
21	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	185208
22	(child* or children* or adolescent* or preschool child*).mp. [mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	1230541
23	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	354112

24 7 and 21 and 23	984
25 22 and 24	264
26 limit 25 to yr="2003 - 2014"	235

## PSYCINFO (201014)

Database(s): PsycINFO 1806 to October Week 3 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1345
2	Epilepsy/ or epilepsy.mp.	26439
3	exp Epilepsy/	19761
4	1 or 2 or 3	27366
5	convulsion*.mp.	2945
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29595
8	medication administration*.mp.	331
9	administration medication*.mp.	5
10	Medication Adherence/	0
11	medication*.mp.	64730
12	Status Epilepticus/ or status epilepticus*.mp.	1771
13	valproate*.mp.	2490
14	Valproic Acid/ or valproate*.mp.	3031
15	phosphenytoin*.mp.	0
16	Anticonvulsants/	0
17	Phenytoin/ or phenytoin*.mp.	1028
18	(seizure* adj3 relief*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	53
19	seizure relief*.mp.	24



20	levetiracetam*.mp.	723
21	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	27172
22	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	69786
23	7 and 21 and 22	42
24	limit 23 to yr="2003 - 2014"	39

### The Cochrane library

Search Name:

Date Run: 20/10/14 11:57:07.321

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	epileptic fit*	77
#3	convulsion*	721
#4	#1 or #2 or #3	2885
#5	MeSH descriptor: [Medication Adherence] explode all trees	993
#6	status epilepticus	209
#7	MeSH descriptor: [Status Epilepticus] explode all trees	54
#8	valproate*	1061
#9	phosphenytoin*	1
#10	phenytoin*	1174
#11	Seizure relief*	143
#12	anticonvulsant*	2856
#13	levetiracetam*	366
#14	#5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13	5500
#15	#4 and #14 Publication Year from 2003 to 2014, in Other Reviews	214

## PICO 9

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

### Medline (211014)

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.	14029
2	Epilepsy/ or epilepsy.mp.	108694
3	exp Epilepsy/	133889
4	1 or 2 or 3	149895
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]	16882
6	1 or 2 or 3 or 4 or 5 or 6	156254
7	treatment refractor*.mp.	1562
8	Drug Resistance/ or drug resistant*.mp.	61147
9	tertiary center*.mp.	1867
10	tertiary referral center*.mp.	4861
11	Tertiary Care Centers/ or Tertiary Prevention/ or Tertiary Healthcare/	2584
12	"referral and consultation"/ or tertiary healthcare/	53307
13	specialized consultative care*.mp.	1
14	Vagus Nerve/ or vagus nerve stimulation*.mp. or Vagus Nerve Stimulation/	21306
15	Vagus Nerve/ or vagus nerve*.mp. or Vagus Nerve Stimulation/	23822
16	epilepsy surger*.mp. (epilepsy and surgery).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]	3480
17	18 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	7444
18	Ketogenic Diet/ or ketogenic diet*.mp.	1466
19	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	155780
20	7 and 20	11905

	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp.	
22	[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]	130643
23	21 and 22	184
24	limit 23 to yr="2003 - 2014"	172

## EMBASE (211014)

Database(s): Embase 1996 to 2014 Week 42

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	6087
2	Epilepsy/ or epilepsy.mp.	108623
3	exp Epilepsy/	120653
4	1 or 2 or 3	130578
5	convulsion*.mp.	20058
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	143214
8	treatment refractor*.mp.	1976
9	Drug Resistance/ or drug resistant*.mp.	45531
10	tertiary center*.mp.	3074
11	tertiary referral center*.mp.	5974
12	Tertiary Care Centers/ or Tertiary Prevention/ or Tertiary Healthcare/	60296
13	"referral and consultation"/ or tertiary healthcare/	79493
14	specialized consultative care*.mp.	0
15	Vagus Nerve/ or vagus nerve stimulation*.mp. or Vagus Nerve Stimulation/	12675
16	Vagus Nerve/ or vagus nerve*.mp. or Vagus Nerve Stimulation/	14453
17	epilepsy surger*.mp.	5860
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]	13186
19	Ketogenic Diet/ or ketogenic diet*.mp.	2635

20	8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19	194726
21	7 and 20 (meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp.	19910
22	[mp=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword]	185208
23	21 and 22	334
24	limit 23 to yr="2003 - 2014"	317

## PSYCINFO (211014)

Database(s): PsycINFO 1806 to October Week 3 2014

Search Strategy:

#	Searches	Results
1	epilepsies.mp.	1345
2	Epilepsy/ or epilepsy.mp.	26439
3	exp Epilepsy/	19761
4	1 or 2 or 3	27366
5	convulsion*.mp.	2945
6	(epileptic adj1 fit*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	95
7	1 or 2 or 3 or 4 or 5 or 6	29595
8	treatment refractor*.mp.	1013
9	Drug Resistance/ or drug resistant*.mp.	880
10	tertiary center*.mp.	90
11	tertiary referral center*.mp.	125
12	Tertiary Care Centers/ or Tertiary Prevention/ or Tertiary Healthcare/	0
13	"referral and consultation"/ or tertiary healthcare/	0
14	specialized consultative care*.mp.	0
15	Vagus Nerve/ or vagus nerve stimulation*.mp. or Vagus Nerve Stimulation/	1022
16	Vagus Nerve/ or vagus nerve*.mp. or Vagus Nerve Stimulation/	1347
17	epilepsy surger*.mp.	1035
18	(epilepsy and surgery).mp. [mp=title, abstract, heading word, table of contents, key concepts, original	2113

	title, tests & measures]	
19	Ketogenic Diet/ or ketogenic diet*.mp.	288
20	(meta-analysis or meta-analysis as topic or meta analys* or metaanalys* or systematic review*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	27172
21	8 or 9 or 10 or 11 or 15 or 16 or 17 or 18 or 19	5609
22	7 and 20 and 21	41
23	limit 22 to yr="2003 - 2014"	40

## The Cochrane library

Search Name:

Date Run: 21/10/14 08:31:48.532

Description:

ID	Search	Hits
#1	MeSH descriptor: [Epilepsy] explode all trees	2278
#2	epileptic fit*	77
#3	convulsion*	721
#4	#1 or #2 or #3	2885
#5	treatment refractor*	4719
#6	drug resistance*	17242
#7	MeSH descriptor: [Drug Resistance] explode all trees	6249
#8	tertiary center*	2256
#9	tertiary referral center*	674
#10	tertiary care center*	1647
#11	MeSH descriptor: [Tertiary Care Centers] explode all trees	42
#12	MeSH descriptor: [Referral and Consultation] explode all trees	1817
#13	vagus nerve*	473
#14	MeSH descriptor: [Vagus Nerve] explode all trees	317
#15	vagus nerve stimulation*	225
#16	epilepsy surgery	464
#17	ketogenic diet*	110
#18	MeSH descriptor: [Ketogenic Diet] explode all trees	15
#19	#5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18	27119
#20	#4 and #19	741
#21	#4 and #19 Publication Year from 2003 to 2014, in Other Reviews	195