

Søgeprotokol for Nationale Kliniske Retningslinjer

Projekttitel/aspekt	NKR for behandling af mellemørebetændelse hos børn - Sekundær litteratur.
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Kontakt søgespecialist	Conni Skrubbeltrang cs@rn.dk
Senest opdateret	20.10.2014

Baggrund	<p>PIRO 1 (Fokuseret spørgsmål 1) Hvor sensitiv og specifik er klinisk undersøgelse med henholdsvis otoskopi, pneumatisk otoskopi og tympanometri, når diagnosen AOM skal stilles?</p> <p>PICO1 (Fokuseret spørgsmål 2) Bør børn med symptomer på AOM, men uden væske i mellemøret (OS) tilbydes antibiotikabehandling?</p> <p>PICO 2 (Fokuseret spørgsmål 3) Bør børn med rAOM uden væske i mellemøret i perioderne mellem infektionsepisoder tilbydes drænbehandling?</p> <p>PICO 3 (Fokuseret spørgsmål 4) Bør børn med rAOM med væske i mellemøret mellem infektionsepisoder tilbydes drænbehandling?</p> <p>PICO 4 (Fokuseret spørgsmål 5) Bør børn med persisterende OME plus hørenedsættelse og/eller sprogproblemer tilbydes drænbehandling?</p> <p>PICO 5 (Fokuseret spørgsmål 6) Bør børn med persisterende OME og normal hørelse, men med andre problemer/symptomer tilbydes drænbehandling?</p> <p>PICO 6 (Fokuseret spørgsmål 7) Bør børn med persisterende OME uden symptomer tilbydes drænbehandling?</p> <p>PICO 7 (Fokuseret spørgsmål 8) Bør børn med indikation for drænbehandling tilbydes adenotomi (fjernelse af polypper) samtidig med drænbehandling?</p> <p>PICO 8 (Fokuseret spørgsmål 9) Bør børn med dræn i trommehinden og øreflåd behandles med øredråber med antibiotika?</p> <p>PICO 9 (Fokuseret spørgsmål 10) Bør børn med dræn i trommehinden og øreflåd behandles med systemisk antibiotika sammenlignet med lokal behandling med antibiotika?</p>
Søgetermer	Fremgår af de enkelte søgninger
Inklusions- og eksklusionskriterier	<p>Sprog: Engelsk, dansk, norsk og svensk</p> <p>År: se under det enkelte PIRO/PICO</p> <p>Population: ingen afgrænsning</p> <p>Publikationstyper: Systematiske reviews, Cochrane Reviews, Meta-analyser</p>

Søgestrategi PIRO 1:

Informationskilder

Database	Udbyder	Resultat	Dato
Medline	OVID	94	16.10.2014
EMBASE	OVID	62	16.10.2014
Cochrane Library		18	16.10.2014
Total efter dubletsøgning		113	

Medline

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

<1946 to Present>

Dato: 16.10.2014

Search	Search Terms	Results
1	exp otitis media/	22088
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab.	1558662
3	exp Ear, Middle/ or middle ear.ti,ab.	27743
4	2 and 3	8074
5	(raom or aom or ome).ti,ab.	7376
6	(mastoiditis or tympanitis).ti,ab.	1347
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab.	12569
8	((serous or secretory or purulent) and otitis).ti,ab.	2544
9	(otitis and media).ti,ab.	17298
10	or/1,4-9	39630
11	Acoustic Impedance Tests/	3170
12	Otoscopy/ or Oscopes/	789
13	(tympanometer* or tympanometr* or tympanogram*).ti,ab.	2514
14	(otoscop* or auriscop* or auroscop*).ti,ab.	1715
15	Acoustic Impedance Test*.ti,ab.	20
16	(diagnos* or symptom* or (clinical adj3 finding*)).ti,ab.	2335816
17	or/11-16	2339805
18	exp Otitis Media/di [Diagnosis]	3128
19	10 and 17	8538
20	18 or 19	9970
21	limit 20 to (meta analysis or systematic reviews)	309
22	(meta analys* or metaanalys* or meta analyz* or systematic review*).ti.	67605
23	meta-analysis/ or meta-analysis as topic/	67178
24	"cochrane database of systematic reviews".jn.	11721
25	or/22-24	104679
26	20 and 25	141
27	21 or 26	330
28	(comment or letter or newspaper article).pt.	1158895
29	27 not 28	328
30	limit 29 to (yr="2011 -Current" and (danish or english or norwegian or swedish))	94

EMBASE

Database: Embase <1974 to 2014 October 15>

Dato: 16.10.2014

Search	Search Terms	Results
1	exp otitis media/	30114
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab,kw.	1911722
3	exp middle ear/ or middle ear.ti,ab,kw.	32313
4	2 and 3	9736
5	(raum or aom or ome).ti,ab,kw.	8453
6	(mastoiditis or tympanitis).ti,ab,kw.	1564
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab,kw.	15223
8	((serous or secretory or purulent) and otitis).ti,ab,kw.	3069
9	(otitis and media).ti,ab,kw.	20794
10	or/1,4-9	49715
11	tympanometry/ or tympanometer/	2604
12	exp acoustic impedance/	2429
13	otoscopy/ or otoscope/	2423
14	(tympanometer* or tympanometr* or tympanogram*).ti,ab,kw.	2865
15	(otoscop* or auriscop* or auroscop*).ti,ab,kw.	2033
16	Acoustic Impedance Test*.ti,ab,kw.	68
17	(diagnos* or symptom* or (clinical adj3 finding*)).ti,ab,kw.	3039723
18	or/11-17	3045536
19	exp otitis media/di [Diagnosis]	3760
20	10 and 18	11630
21	19 or 20	13524
22	limit 21 to (meta analysis or "systematic review")	171
23	"systematic review"/ or "systematic review (topic)"/	87249
24	(meta analys* or systematic review or meta analyz* or metaanalys*).ti,kw.	83046
25	("cochrane database of systematic reviews" or "cochrane database of systematic reviews online" or "cochrane database of systemic reviews" or cochrane library).jn.	10653
26	or/23-25	135737
27	21 and 26	165
28	22 or 27	213
29	(conference or journal letter or letter).pt.	3201594
30	28 not 29	200
31	limit 30 to ((danish or english or norwegian or swedish) and yr="2011 -Current")	62

Cochrane Library

Database: Cochrane Database of Systematic Reviews

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Dato: 15.10.2014

ID	Search	Hits	Note
#1	MeSH descriptor: [Otitis Media] explode all trees	1054	
#2	otitis media	2157	
#3	#1 or #2	2158	
#4	(tympanometer* or tympanometr* or tympanogram*)	290	

#5	(otoscop* or auriscop* or auroscop*)	214	
#6	#4 or #5	396	
#7	#3 and #6	295	
#8	MeSH descriptor: [Otitis Media] explode all trees and with qualifier(s): [Diagnosis - DI]	100	
#9	#7 or #8	353	Ialt 18 reviews

Søgestrategi PICO 1:

Informationskilder

Database	Udbyder	Resultat	Dato
Medline	OVID	109	17.10.2014
EMBASE	OVID	252	17.10.2014
COCHRANE LIBRARY	Wiley	136	17.10.2014
Total efter dubletsøgning			

Medline

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

<1946 to Present>

Dato: 17.10.2014

Search	Search Terms	Results
1	exp otitis media/	22088
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab.	1559001
3	exp Ear, Middle/ or middle ear.ti,ab.	27746
4	2 and 3	8074
5	(raum or aom or ome).ti,ab.	7376
6	(mastoiditis or tympanitis).ti,ab.	1348
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab.	12569
8	((serous or secretory or purulent) and otitis).ti,ab.	2544
9	(otitis and media).ti,ab.	17299
10	or/1,4-9	39631
11	Antibiotic Prophylaxis/	9098
12	exp Anti-Bacterial Agents/	544983
13	exp Anti-Infective Agents/	1300579
14	exp Drug Therapy/	1119852
15	(antibiot* or antibact* or antisept* or antiinfect* or microbides or bacteriocid* or antimicrobial* or antimycobact*).ti,ab.	345686
16	(anti adj (biot* or bact* or infect* or microbial* or mycobact* or sept*)).ti,ab.	9004
17	or/11-16	2352501
18	exp Otitis Media/dt [Drug Therapy]	3952
19	10 and 17	9979
20	18 or 19	10479
21	limit 20 to (meta analysis or systematic reviews)	352
22	(meta analys* or metaanalys* or meta analyz* or systematic review*).ti.	67644
23	meta-analysis/ or meta-analysis as topic/	67183

24	"cochrane database of systematic reviews".jn.	11721
25	or/22-24	104718
26	20 and 25	192
27	(comment or letter or newspaper article).pt.	1159106
28	26 not 27	176
29	limit 28 to (yr="2004 -Current" and (danish or english or norwegian or swedish))	109

EMBASE

Database: Embase <1974 to 2014 Week 41>

Dato: 17.10.2014

Search	Search Terms	Results
1	exp otitis media/	30107
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab,kw.	1910711
3	exp middle ear/ or middle ear.ti,ab,kw.	32300
4	2 and 3	9734
5	(raom or aom or ome).ti,ab,kw.	8451
6	(mastoiditis or tympanitis).ti,ab,kw.	1562
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab,kw.	15215
8	((serous or secretory or purulent) and otitis).ti,ab,kw.	3069
9	(otitis and media).ti,ab,kw.	20790
10	or/1,4-9	49699
11	exp antibiotic prophylaxis/	21348
12	exp antiinfective agent/	2259292
13	exp drug therapy/	1846624
14	(antibiot* or antibact* or antisept* or antiinfect* or microbides or bacteriocid* or antimicrobial* or antimycobact*).mp.	729848
15	(anti adj (biot* or bact* or infect* or microbial* or mycobact* or sept*)).mp.	14122
16	or/11-15	3690419
17	exp otitis media/dt [Drug Therapy]	6803
18	10 and 16	17937
19	17 or 18	18685
20	limit 19 to (meta analysis or "systematic review")	360
21	"systematic review"/ or "systematic review (topic)"/	87170
22	(meta analys* or systematic review or meta analyz* or metaanalys*).ti,kw.	82952
23	("cochrane database of systematic reviews" or "cochrane database of systematic reviews online" or "cochrane database of systemic reviews" or cochrane library).jn.	10653
24	or/21-23	135609
25	19 and 24	326
26	(conference or journal letter or letter).pt.	3200386
27	25 not 26	312
28	limit 27 to ((danish or english or norwegian or swedish) and yr="2004 -Current")	252

Cochrane Library

Database: Cochrane Database of Systematic Reviews

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Dato: 17.10.2014

ID	Search	Hits	Note
#1	MeSH descriptor: [Otitis Media] explode all trees	1054	
#2	otitis media	2157	
#3	#1 or #2	2158	
#4	antibiot* or antibact* or antisept* or antiinfect* or microbides or bacteriocid* or antimicrobial* or antimycobact	24209	
#5	anti biot* or anti bact* or anti infect* or anti microbial* or anti mycobact*	20998	
#6	#4 or #5	36930	
#7	#3 and #6	839	
#8	MeSH descriptor: [Otitis Media] explode all trees and with qualifier(s): [Drug therapy - DT]	564	
#9	#7 or #8	1064	136 Systematic Reviews

Søgestrategi PICO 2-6:

Informationskilder

Database	Udbyder	Resultat	Dato
Medline	OVID	37	09.10.2014
EMBASE	OVID	22	09.10.2014
CINAHL	EBSCO	7	09.10.2014
COCHRANE LIBRARY		6	09.10.2014
Total efter dubletsøgning		44	

Medline

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

<1946 to Present>

Dato: 09.10.2014

Search	Search Terms	Results
1	exp otitis media/	22085
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab.	1556887
3	exp Ear, Middle/ or middle ear.ti,ab.	27729
4	2 and 3	8069
5	(raum or aom or ome).ti,ab.	7372

6	(mastoiditis or tympanititis).ti,ab.	1347
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab.	12559
8	((serous or secretory or purulent) and otitis).ti,ab.	2544
9	(otitis and media).ti,ab.	17288
10	or/1,4-9	39609
11	Middle Ear Ventilation/	2177
12	((tympanostomy or ventilat*) and tube*) or middle ear).ti,ab.	26133
13	grommet*.ti,ab.	500
14	(ventilat* or tubulat* or tympanostom*).ti,ab.	127193
15	11 or 12 or 13 or 14	144218
16	10 and 15	9671
17	limit 16 to (meta analysis or systematic reviews)	162
18	(meta analys* or metaanalys* or meta analyz* or systematic review*).ti.	67317
19	meta-analysis/ or meta-analysis as topic/	66966
20	"cochrane database of systematic reviews".jn.	11716
21	or/18-20	104345
22	16 and 21	62
23	17 or 22	168
24	(comment or letter or newspaper article).pt.	1157736
25	23 not 24	168
26	limit 25 to (yr="2012 -Current" and (danish or english or norwegian or swedish))	37

EMBASE

Database: Embase <1974 to 2014 Week 40>

Dato: 09.10.2014

Search	Search Terms	Results
1	exp otitis media/	30087
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab,kw.	1907105
3	exp middle ear/ or middle ear.ti,ab,kw.	32284
4	2 and 3	9730
5	(raom or aom or ome).ti,ab,kw.	8443
6	(mastoiditis or tympanititis).ti,ab,kw.	1561
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab,kw.	15200
8	((serous or secretory or purulent) and otitis).ti,ab,kw.	3069
9	(otitis and media).ti,ab,kw.	20777
10	or/1,4-9	49661
11	Middle Ear Ventilation/	683
12	exp tympanostomy tube/	2020
13	((tympanostomy or ventilat* or middle ear) and tube*).ti,ab,kw.	14866
14	grommet*.ti,ab,kw.	625
15	(ventilat* or tubulat* or tympanostom*).ti,ab,kw.	166669
16	or/11-15	169791
17	10 and 16	4161
18	limit 17 to (meta analysis or "systematic review")	74
19	"systematic review"/ or "systematic review (topic)"/	86871
20	meta analysis/	83302
21	(meta analys* or systematic review or meta analyz* or metaanalys*).ti,kw.	82663
22	("cochrane database of systematic reviews" or "cochrane database of systematic reviews online" or "cochrane database of systemic reviews" or cochrane library).jn.	10653
23	or/19-22	163438
24	17 and 23	87

25	18 or 24	87
26	(conference or journal letter or letter).pt.	3192917
27	25 not 26	79
28	limit 27 to ((danish or english or norwegian or swedish) and yr="2012 -Current")	22

CINAHL

Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - CINAHL with Full Text

Dato: 09.10.2014

Search ID#	Search Terms	Search Options	Results
S19	S15 OR S17	Limiters - Published Date: 20120101-20141231; Language: Danish, English, Norwegian, Swedish Search modes - Boolean/Phrase	7
S18	S15 OR S17	Search modes - Boolean/Phrase	26
S17	S14 AND S16	Search modes - Boolean/Phrase	21
S16	(MH "Systematic Review") OR (MH "Meta Analysis") OR (meta analys* OR metaanalys* OR meta analyz* OR systematic review)	Search modes - Boolean/Phrase	40,909
S15	S8 AND S13	Limiters - Publication Type: Meta Analysis, Meta Synthesis, Systematic Review Search modes - Boolean/Phrase	18
S14	S8 AND S13	Search modes - Boolean/Phrase	515
S13	S9 OR S10 OR S11 OR S12	Search modes - Boolean/Phrase	22,154
S12	ventilat* or tubulat* or tympanostom*	Search modes - Boolean/Phrase	22,030
S11	grommet*.	Search modes - Boolean/Phrase	58
S10	(tympanostomy or ventilat* or middle ear) AND tube	Search modes - Boolean/Phrase	1,355
S9	(MH "Middle Ear Ventilation")	Search modes - Boolean/Phrase	517
S8	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7	Search modes - Boolean/Phrase	4,167
S7	otitis and media	Search modes - Boolean/Phrase	3,247
S6	(serous or secretory or purulent) AND otitis	Search modes - Boolean/Phrase	98
S5	ear AND (infection* or inflamm* or effusion* or glue)	Search modes - Boolean/Phrase	1,537
S4	mastoiditis or tympanititis	Search modes - Boolean/Phrase	147
S3	raum or aom or ome	Search modes - Boolean/Phrase	446
S2	((MH "Ear, Middle+") OR middle ear*) AND ((MH "Otitis") OR (otitis or infection* or inflamm*))	Search modes - Boolean/Phrase	1,156
S1	(MH "Otitis Media+")	Search modes - Boolean/Phrase	2,863

Cochrane Library

Database: Cochrane Database of Systematic Reviews

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Dato: 09.10.2014

ID	Search	Hits	Note
#1	MeSH descriptor: [Otitis Media] explode all trees	1054	
#2	MeSH descriptor: [Middle Ear Ventilation] explode all trees	270	
#3	grommet* or tube* or tympanostom*	12378	
#4	#2 or #3	12415	
#5	#1 and #4	286	6 Cochrane Review 2012-

Søgestrategi PICO 7:

Informationskilder

Database	Udbyder	Resultat	Dato
Medline	OVID	12	09.10.2014
EMBASE	OVID	15	09.10.2014
CINAHL	EBSCO	7	09.10.2014
		10	09.10.2014
Total efter dubletsøgning		24	09.10.2014

Medline

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

Dato: 09.10.2014

Search	Search Terms	Results
1	exp otitis media/	22085
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab.	1556887
3	exp Ear, Middle/ or middle ear.ti,ab.	27729
4	2 and 3	8069
5	(raum or aom or ome).ti,ab.	7372
6	(mastoiditis or tympanitis).ti,ab.	1347
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab.	12559
8	((serous or secretory or purulent) and otitis).ti,ab.	2544
9	(otitis and media).ti,ab.	17288
10	or/1,4-9	39609
11	Middle Ear Ventilation/	2177
12	((tympanostomy or ventilat*) and tube*) or middle ear).ti,ab.	26133
13	grommet*.ti,ab.	500
14	(ventilat* or tubulat* or tympanostom*).ti,ab.	127193
15	11 or 12 or 13 or 14	144218
16	Adenoidectomy/	3602
17	(adenoidectom* or adenotonsillectom* or adenotonsilectom* or adeno tonsillectomy* or adeno tonsilectom*).ti,ab.	3772

18	or/16-17	4925
19	Adenoids/ or (adenoid* or adenotonsil*).ti,ab.	10750
20	exp Otorhinolaryngologic Surgical Procedures/	68698
21	surgery.fs.	1624851
22	(surg* or operat* or excis* or extract* or remov* or dissect* or ablat* or coblat* or laser*).ti,ab.	3051745
23	20 or 21 or 22	3791173
24	19 and 23	6371
25	18 or 24	7583
26	10 and 15 and 25	536
27	limit 26 to (meta analysis or systematic reviews)	26
28	(meta analys* or metaanalys* or meta analyz* or systematic review*).ti.	67317
29	meta-analysis/ or meta-analysis as topic/	66966
30	"cochrane database of systematic reviews".jn.	11716
31	or/28-30	104345
32	26 and 31	15
33	27 or 32	27
34	limit 33 to (yr="2007 -Current" and (danish or english or norwegian or swedish))	12

EMBASE

Database: Embase <1974 to 2014 Week 40>

Dato: 09.10.2014

Search	Search Terms	Results
1	exp otitis media/	30087
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab,kw.	1907105
3	exp middle ear/ or middle ear.ti,ab,kw.	32284
4	2 and 3	9730
5	(raum or aom or ome).ti,ab,kw.	8443
6	(mastoiditis or tympanititis).ti,ab,kw.	1561
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab,kw.	15200
8	((serous or secretory or purulent) and otitis).ti,ab,kw.	3069
9	(otitis and media).ti,ab,kw.	20777
10	or/1,4-9	49661
11	Middle Ear Ventilation/	683
12	exp tympanostomy tube/	2020
13	((tympanostomy or ventilat* or middle ear) and tube*).ti,ab,kw.	14866
14	grommet*.ti,ab,kw.	625
15	(ventilat* or tubulat* or tympanostom*).ti,ab,kw.	166669
16	or/11-15	169791
17	adenoidectomy/	3800
18	(adenoidectom* or adenotonsillectom* or adenotonsilectom* or adeno tonsillectomy* or adeno tonsilectom*).ti,ab,kw.	4562
19	or/17-18	5975
20	adenoid/ or (adenoid* or adenotonsil*).ti,ab,kw.	12785
21	exp ear nose throat surgery/	68027
22	(surg* or operat* or excis* or extract* or remov* or dissect* or ablat* or coblat* or laser*).ti,ab,kw.	3689078
23	21 or 22	3717487
24	20 and 23	7334
25	19 or 24	8800
26	10 and 16 and 25	538
27	limit 26 to (meta analysis or "systematic review")	28
28	"systematic review"/ or "systematic review (topic)"/	86871

29	meta analysis/	83302
30	("cochrane database of systematic reviews" or "cochrane database of systematic reviews online" or "cochrane database of systemic reviews" or cochrane library).jn.	10653
31	or/28-30	144171
32	26 and 31	31
33	27 or 32	31
34	(conference or journal letter or letter).pt.	3192917
35	33 not 34	30
36	limit 35 to ((danish or english or norwegian or swedish) and yr="2007 -Current")	15

CINAHL

Interface - EBSCOhost Research Databases

Search Screen - Advanced Search

Database - CINAHL with Full Text

Dato: 09.10.2014

Search ID#	Search Terms	Search Options	Results
S26	S22 OR S24	Limiters - Published Date: 20070101-20141231; Language: Danish, English, Norwegian, Swedish Search modes - Boolean/Phrase	7
S25	S22 OR S24	Search modes - Boolean/Phrase	8
S24	S21 AND S23	Search modes - Boolean/Phrase	7
S23	(MH "Systematic Review") OR (MH "Meta Analysis") OR (meta analys* OR metaanalys* OR meta analyz* OR systematic review)	Search modes - Boolean/Phrase	40,909
S22	S8 AND S13 AND S20	Limiters - Publication Type: Meta Analysis, Meta Synthesis, Systematic Review Search modes - Boolean/Phrase	7
S21	S8 AND S13 AND S20	Search modes - Boolean/Phrase	54
S20	S16 OR S19	Search modes - Boolean/Phrase	876
S19	S17 AND S18	Search modes - Boolean/Phrase	836
S18	(MH "Surgery, Otorhinolaryngologic+") OR (surg* or operat* or excis* or extract* or remov* or dissect* or ablat* or coblat* or laser*)	Search modes - Boolean/Phrase	315,436
S17	(MH "Adenoids") OR (adenoid* or adenotonsil*)	Search modes - Boolean/Phrase	1,117
S16	S14 OR S15	Search modes - Boolean/Phrase	722
S15	adenoidectom* or adenotonsillectom* or adenotonsilectom* or adeno tonsillectomy* or adeno tonsilectom*	Search modes - Boolean/Phrase	722
S14	(MH "Adenoidectomy")	Search modes - Boolean/Phrase	591
S13	S9 OR S10 OR S11 OR S12	Search modes - Boolean/Phrase	22,154

S12	ventilat* or tubulat* or tympanostom*	Search modes - Boolean/Phrase	22,030
S11	grommet*.	Search modes - Boolean/Phrase	58
S10	(tympanostomy or ventilat* or middle ear) AND tube	Search modes - Boolean/Phrase	1,355
S9	(MH "Middle Ear Ventilation")	Search modes - Boolean/Phrase	517
S8	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7	Search modes - Boolean/Phrase	4,167
S7	otitis and media	Search modes - Boolean/Phrase	3,247
S6	(serous or secretory or purulent) AND otitis	Search modes - Boolean/Phrase	98
S5	ear AND (infection* or inflamm* or effusion* or glue)	Search modes - Boolean/Phrase	1,537
S4	mastoiditis or tympanititis	Search modes - Boolean/Phrase	147
S3	raom or aom or ome	Search modes - Boolean/Phrase	446
S2	((MH "Ear, Middle+") OR middle ear*) AND ((MH "Otitis") OR (otitis or infection* or inflamm*))	Search modes - Boolean/Phrase	1,156
S1	(MH "Otitis Media+")	Search modes - Boolean/Phrase	2,863

Cochrane Library

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Dato: 09.10.2014

ID	Search	Hits	Note
#1	MeSH descriptor: [Otitis Media] explode all trees	1054	
#2	MeSH descriptor: [Middle Ear Ventilation] explode all trees	270	
#3	grommet* or tube* or tympanostom*	12378	
#4	#2 or #3	12415	
#5	#1 and #4	286	
#6	adenoidectom* or adenotonsillectom* or adenotonsilectom* or adeno tonsillectomy* or adeno tonsilectom*	902	
#7	#5 and #6	75	10 Cochrane Review

Søgestrategi PICO 8 og 9:

Informationskilder

Database	Udbyder	Resultat	Dato
Medline	OVID	35	20.10.2014
EMBASE	OVID	38	20.10.2014
Cochrane Library	Wiley	54	20.10.2014
Total efter dubletsøgning		101	

Medline

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

<1946 to Present>

Dato: 20.10.2014

Search	Search Terms	Results
1	exp otitis media/	22088
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab.	1559303
3	exp Ear, Middle/ or middle ear.ti,ab.	27747
4	2 and 3	8074
5	(raom or aom or ome).ti,ab.	7377
6	(mastoiditis or tympanitis).ti,ab.	1348
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab.	12569
8	((serous or secretory or purulent) and otitis).ti,ab.	2544
9	(otitis and media).ti,ab.	17299
10	or/1,4-9	39632
11	Middle Ear Ventilation/	2177
12	((tympanostomy or ventilat*) and tube*) or middle ear).ti,ab.	26163
13	grommet*.ti,ab.	502
14	(ventilat* or tubulat* or tympanostom*).ti,ab.	127410
15	11 or 12 or 13 or 14	144449
16	10 and 15	9678
17	(otorrhea or serous or secretory or purulent or effusion* or glue or fluid*).mp.	621658
18	16 and 17	5411
19	Antibiotic Prophylaxis/	9098
20	exp Anti-Bacterial Agents/	544983
21	exp Anti-Infective Agents/	1300579
22	exp Drug Therapy/	1119852
23	(antibiot* or antibact* or antisept* or antiinfect* or microbides or bacteriocid* or antimicrobial* or antimycobact*).ti,ab.	345757
24	(anti adj (biot* or bact* or infect* or microbial* or mycobact* or sept*)).ti,ab.	9005
25	exp Adrenal Cortex Hormones/ or (adrenal cortex hormone* or adrenal steroid* or corticoid* or corticosteroid*).mp.	382343
26	or/19-25	2627711
27	exp Otitis Media/dt [Drug Therapy]	3952
28	18 and 26	1308
29	18 and 27	670
30	28 or 29	1386

31	limit 30 to (meta analysis or systematic reviews)	57
32	(meta analys* or metaanalys* or meta analyz* or systematic review*).ti.	67672
33	meta-analysis/ or meta-analysis as topic/	67183
34	"cochrane database of systematic reviews".jn.	11721
35	or/32-34	104746
36	30 and 35	30
37	31 or 36	63
38	(comment or letter or newspaper article).pt.	1159346
39	37 not 38	63
40	limit 39 to (yr="2004 -Current" and (danish or english or norwegian or swedish))	35

EMBASE

Database: Embase <1974 to 2014 Week 42>

Dato: 20.10.2014

Search	Search Terms	Results
1	exp otitis media/	30120
2	Otitis/ or (otitis or infection* or inflamm*).ti,ab,kw.	1912155
3	exp middle ear/ or middle ear.ti,ab,kw.	32313
4	2 and 3	9736
5	(raum or aom or ome).ti,ab,kw.	8453
6	(mastoiditis or tympanitis).ti,ab,kw.	1564
7	(ear and (infection* or inflamm* or effusion* or glue)).ti,ab,kw.	15227
8	((serous or secretory or purulent) and otitis).ti,ab,kw.	3069
9	(otitis and media).ti,ab,kw.	20798
10	or/1,4-9	49725
11	Middle Ear Ventilation/	683
12	exp tympanostomy tube/	2022
13	((tympanostomy or ventilat* or middle ear) and tube*).ti,ab,kw.	14903
14	grommet*.ti,ab,kw.	626
15	(ventilat* or tubulat* or tympanostom*).ti,ab,kw.	167257
16	or/11-15	170382
17	10 and 16	4164
18	exp otorrhea/	7950
19	(otorrhea or serous or secretory or purulent or effusion* or glue or fluid*).mp.	770624
20	18 or 19	771638
21	17 and 20	2888
22	exp antibiotic prophylaxis/	21369
23	exp antiinfective agent/	2260603
24	exp drug therapy/	1847907
25	(antibiot* or antibact* or antisept* or antiinfect* or microbides or bacteriocid* or antimicrobial* or antimycobact*).mp.	730340
26	(anti adj (biot* or bact* or infect* or microbial* or mycobact* or sept*)).mp.	14140
27	exp corticosteroid/ or (adrenal cortex hormone* or adrenal steroid* or corticoid* or corticosteroid*).mp.	756997
28	or/22-27	4088113
29	exp otitis media/dt [Drug Therapy]	6806
30	21 and 28	851
31	21 and 29	446
32	30 or 31	895

33	limit 32 to (meta analysis or "systematic review")	47
34	"systematic review"/ or "systematic review (topic)"/	87286
35	(meta analys* or systematic review or meta analyz* or metaanalys*).ti,kw.	83072
36	("cochrane database of systematic reviews" or "cochrane database of systematic reviews online" or "cochrane database of systemic reviews" or cochrane library).jn.	10653
37	or/34-36	135784
38	32 and 37	43
39	33 or 38	56
40	(conference or journal letter or letter).pt.	3202591
41	39 not 40	51
42	limit 41 to ((danish or english or norwegian or swedish) and yr="2004 -Current")	38

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Dato: 20.10.2014

ID	Search	Hits	Note
#1	MeSH descriptor: [Otitis Media] explode all trees	1054	
#2	otitis media	2157	
#3	#1 or #2	2158	
#4	antibiot* or antibact* or antisept* or antiinfect* or microbides or bacteriocid* or antimicrobial* or antimycobact	24209	
#5	anti biot* or anti bact* or anti infect* or anti microbial* or anti mycobact*	20998	
#6	#4 or #5	36930	
#7	grommet* or tube* or tympanostom*	12381	
#8	MeSH descriptor: [Middle Ear Ventilation] explode all trees	270	
#9	#7 or #8	12418	
#10	#3 and #9	445	
#11	otorrhea or serous or secretory or purulent or effusion* or glue or fluid*	20241	
#12	#10 and #11	348	
#13	#12 and #6	129	54 Systematic Review