



Søgeprotokol for Nationale Kliniske Retningslinjer

Projekttitle/aspekt	NKR for ménière PICO's søgning på primær litteratur
Fagkonsulent /projektleder	Louise Devantier, Århus Universitet / Kristoffer Lande Andersen, SST
Søgespecialist	Birgitte Holm Petersen, SST
Senest opdateret	6. februar 2018

Baggrund	<p>PICO 1 Bør personer med Ménières sygdom tilbydes vestibulær rehabilitering?</p> <p>PICO 2 Bør personer med Ménières sygdom tilbydes kognitiv adfærdsterapi i form af Cognitive Behavioural Therapy (CBT)?</p> <p>PICO 3 Bør personer med Ménières sygdom tilbydes behandling med dræn i trommehinden?</p> <p>PICO 4 Bør personer med Ménières sygdom tilbydes behandling med betahistin?</p> <p>PICO 5 Bør personer med Ménières sygdom tilbydes behandling med hydrocortiazid?</p> <p>PICO 6 Bør personer med Ménières sygdom tilbydes behandling med overtryksterapi i tillæg til dræn i trommehinden?</p> <p>PICO 7 Bør personer med Ménières sygdom tilbydes behandling med intratympanisk steroid</p> <p>PICO 8 Bør personer med Ménières sygdom tilbydes behandling med intratympanisk gentamicin?</p> <p>PICO 9 Bør personer med Ménières sygdom tilbydes endolymfatisk sækkirugi?</p>
Søgetermer	Se søgestrategierne under de enkelte PICO's
Inklusions- og eksklusionskriterier	Sprog: - År: se under de enkelte PICO's Population: alle Publikationstyper: Systematiske reviews / primærlitteratur

Informationskilder

DATABASE	INTERFACE	DATO FOR SØGNING
Medline	OVID	18.dec. 2018 til 6. feb. 2018
EMBASE	OVID	18.dec. 2018 til 6. feb. 2018
PSYCINFO	OVID	18.dec. 2018 til 2. feb. 2018

Note

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

Søgestrategi

Prim.PICO 1

Medline(201217)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	8630
2	vertigo/ or vertigo*.mp.	17452
3	vestibular*.mp. or vestibular disorder/	43582
4	((systematic adj3 (review* or overview* or study or studies or search*)) or meta analy* or meta-analy* or metaanaly* or pubmed or medline or embase or cochrane).ti,ab,kw.	317911
5	rehabilitation*.mp.	170520
6	vestibular rehab*.mp.	611
7	balance*.mp.	297951
8	exercise/ or physiotherapy/ or physiotherap*.mp. or rehabilitation/	139501
9	exercise*.mp. or exercise/	357156
10	8 or 9	392444
11	7 and 10	15089
12	Psychology/ or psychologist*.mp.	713543
13	psychology therap*.mp.	6
14	therapies.mp. or Therapeutics/	283945
15	Cognitive Therapy/ or psychology therapy.mp. or Psychotherapy/	76375
16	5 or 6 or 11 or 12 or 13 or 14 or 15	1199406
17	1 or 2 or 3	58904



18	16 and 17	2942
19	4 and 18	101
20	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*))) or rct).ti,ab,kw.	625003
21	(randomized controlled trial* 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, synonyms]	792798
22	20 or 21	1003988
23	16 and 17 and 22	344
24	limit 23 to yr="1997 - 2017"	309
25	1 and 16 and 22	31
26	24 or 25	315

Embase (201217)

Database(s): **Embase** 1974 to 2017 December 19

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9365
2	vertigo/ or vertigo*.mp.	50468
3	vestibular*.mp. or vestibular disorder/	51155
4	rehabilitation*.mp.	325960
5	vestibular rehab*.mp.	811
6	balance*.mp.	357883
7	exercise/ or physiotherapy/ or physiotherap*.mp. or rehabilitation/	394773
8	exercise*.mp. or exercise/	453851
9	7 or 8	594240
10	6 and 9	21960
11	Psychology/ or psychologist*.mp.	953686
12	psychology therap*.mp.	35
13	therapies.mp. or Therapeutics/	1567121
14	Cognitive Therapy/ or psychology therapy.mp. or Psychotherapy/	120775
15	4 or 5 or 10 or 11 or 12 or 13 or 14	2811771
16	1 or 2 or 3	95977



17	15 and 16	13868
18	((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	765122
19	(randomized controlled trial* or controlled clinical trial*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	853002
20	18 or 19	1193702
21	15 and 16 and 20	2664
22	1 and 15 and 20	67
23	17 and 20	2664
24	limit 17 to ((randomized controlled trial or controlled clinical trial) and yr="1997 - 2015")	431
25	limit 21 to yr="2016 - 2017"	120
26	22 or 24 or 25	606

Psychinfo (201217)

Database(s): **PsycINFO** 1806 to December Week 2 2017

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	367
2	vertigo/ or vertigo*.mp.	1886
3	vestibular*.mp. or vestibular disorder/	6603
4	rehabilitation*.mp.	84240
5	vestibular rehab*.mp.	111
6	balance*.mp.	55670
7	exercise/ or physiotherapy/ or physiotherap*.mp. or rehabilitation/	41233
8	exercise*.mp. or exercise/	64489
9	7 or 8	84552
10	6 and 9	3031
11	Psychology/ or psychologist*.mp.	623386
12	psychology therap*.mp.	98
13	therapies.mp. or Therapeutics/	30155
14	Cognitive Therapy/ or psychology therapy.mp. or Psychotherapy/	61373
15	4 or 5 or 10 or 11 or 12 or 13 or 14	760198



16	1 or 2 or 3	7997
17	15 and 16	682
18	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*))) or rct).ti,ab,kw.	83493
19	(randomized controlled trial* or controlled clinical trial*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	23367
20	18 or 19	83733
21	15 and 16 and 20	41

Prim.PICO 2

Medline (181217)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	8628
2	vertigo/ or vertigo*.mp.	17444
3	vestibular*.mp. or vestibular disorder/	43565
4	Psychology/ or psycholog*.mp.	713219
5	therapies.mp. or Therapeutics/	283545
6	Cognitive Therapy/ or psychology therapy.mp. or Psychotherapy/	76352
7	cognitive behavioral therapy/ or cognitive behavioral therap*.mp. or cognitive therapy/	26913
8	cognitive therapy/ or CBT.mp. or cognitive behavioral therapy/	27457
9	meditation/ or mindfulness.mp.	2428
10	stress management/ or stress/ or stress reduction*.mp.	2657
11	relaxation training/ or biofeedback/ or biofeedback*.mp.	10598
12	psychological aspect/ or psychotherapy/ or psychotherap*.mp.	88445
13	psychoeducation/ or psychoeducation*.mp.	4281
14	multidisciplinary.mp.	15
15	psychological condition*.mp.	1169
16	(acceptance and commitment therapy).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	710



17	(acceptance and commitment therap*).ti,kw,ab.	608
18	(acceptance and commitment*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1505
19	ACT.mp.	266447
20	1 or 2 or 3	58881
21	4 or 5 or 6 or 7 or 8 or 10 or 13 or 14 or 15 or 16 or 17 or 18 or 19	1299139
22	20 and 21	1862
23	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	624198
24	(randomized controlled trial* 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, synonyms]	792258
25	23 or 24	1003061
26	22 and 25	153

Embase (201217)

Database(s): **Embase** 1974 to 2017 December 19

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9365
2	vertigo/ or vertigo*.mp.	50468
3	vestibular*.mp. or vestibular disorder/	51155
4	Psychology/ or psycholog*.mp.	953686
5	therapies.mp. or Therapeutics/	1567121
6	Cognitive Therapy/ or psychology therapy.mp. or Psychotherapy/	120775
7	cognitive behavioral therapy/ or cognitive behavioral therap*.mp. or cognitive therapy/	48165
8	cognitive therapy/ or CBT.mp. or cognitive behavioral therapy/	50410
9	meditation/ or mindfulness.mp.	5990
10	stress management/ or stress/ or stress reduction*.mp.	133300
11	relaxation training/ or biofeedback/ or biofeedback*.mp.	84978
12	psychological aspect/ or psychotherapy/ or psychotherap*.mp.	568446
13	psychoeducation/ or psychoeducation*.mp.	9241
14	multidisiplinary.mp.	44



15	psychological condition*.mp.	1621
16	(acceptance and commitment therapy).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	1182
17	(acceptance and commitment therap*).ti,kw,ab.	934
18	(acceptance and commitment*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	1736
19	ACT.mp.	290393
20	1 or 2 or 3	95977
21	4 or 5 or 6 or 7 or 8 or 10 or 13 or 14 or 15 or 16 or 17 or 18 or 19	2923925
22	20 and 21	12035
23	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	765122
24	(randomized controlled trial* or controlled clinical trial*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	853002
25	23 or 24	1193702
26	22 and 25	2427
27	limit 22 to (randomized controlled trial or controlled clinical trial)	843
28	1 and 21	1115
29	25 and 28	52
30	limit 26 to yr="2016 - 2017"	64
31	limit 27 to yr="1997 - 2015"	317
32	29 or 30 or 31	428

Psycinfo (181217)

Database(s): **PsycINFO** 1806 to December Week 2 2017

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	367
2	vertigo/ or vertigo*.mp.	1886
3	vestibular*.mp. or vestibular disorder/	6603
4	Psychology/ or psychologist*.mp.	623386
5	therapies.mp. or Therapeutics/	30155
6	Cognitive Therapy/ or psychology therapy.mp. or Psychotherapy/	61373

7	cognitive behavioral therapy/ or cognitive behavioral therap*.mp. or cognitive therapy/	24026
8	cognitive therapy/ or CBT.mp. or cognitive behavioral therapy/	22928
9	meditation/ or mindfulness.mp.	4069
10	stress management/ or stress/ or stress reduction*.mp.	58627
11	relaxation training/ or biofeedback/ or biofeedback*.mp.	6262
12	psychological aspect/ or psychotherapy/ or psychotherap*.mp.	173961
13	psychoeducation/ or psychoeducation*.mp.	9365
14	multidisciplinary.mp.	3
15	psychological condition*.mp.	1235
16	(acceptance and commitment therapy).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	1848
17	(acceptance and commitment therap*).ti,kw,ab.	1487
18	(acceptance and commitment*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	2755
19	ACT.mp.	66870
20	1 or 2 or 3	7997
21	4 or 5 or 6 or 7 or 8 or 10 or 13 or 14 or 15 or 16 or 17 or 18 or 19	804824
22	20 and 21	517
23	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	83493
24	(randomized controlled trial* or controlled clinical trial*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures]	23367
25	23 or 24	83733
26	22 and 25	23

Prim.PICO 3

Medline(181217)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	8628
2	Hearing Disorders/ or hearing disorder*.mp. [mp=title, abstract, original title, name of substance word,	16146



	subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	
3	vertigo/ or vertigo*.mp.	17444
4	vestibular*.mp. or vestibular disorder/	43565
5	1 or 2 or 3 or 4	73510
6	((systematic adj3 (review* or overview* or study or studies or search*)) or meta analy* or meta-analy* or metaanaly* or pubmed or medline or embase or cochrane).ti,ab,kw.	317167
7	middle ear ventilation/ or tympanostomy tube/ or tympanostomy.mp.	3199
8	grommet*.mp.	598
9	ventilation tube*.mp.	1179
10	(ventilat* or tubulat* or tympanostom*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	181674
11	(tubulat* or tympanostom*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	2083
12	(myringotomy tube or myringotomy or myringotom*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1578
13	7 or 8 or 9 or 10 or 11 or 12	182642
14	5 and 13	456
15	(randomized controlled trial* 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, synonyms]	792258
16	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	624198
17	15 or 16	1003061
18	14 and 17	60

EMBASE (181217)

Database(s): **Embase** 1974 to 2017 December 15

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9365



2	Hearing Disorders/ or hearing disorder*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	11341
3	vertigo/ or vertigo*.mp.	50459
4	vestibular*.mp. or vestibular disorder/	51139
5	1 or 2 or 3 or 4	106112
6	((systematic adj3 (review* or overview* or study or studies or search*)) or meta analy* or meta-analy* or metaanaly* or pubmed or medline or embase or cochrane).ti,ab,kw.	365553
7	middle ear ventilation/ or tympanostomy tube/ or tympanostomy.mp.	3598
8	grommet*.mp.	731
9	ventilation tube*.mp.	1303
10	(ventilat* or tubulat* or tympanostom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	283716
11	(tubulat* or tympanostom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	3895
12	(myringotomy tube or myringotomy or myringotom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	3796
13	7 or 8 or 9 or 10 or 11 or 12	286514
14	5 and 13	865
15	(randomized controlled trial* or controlled clinical trial*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	852130
16	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	764490
17	15 or 16	1192723
18	14 and 17	80

Prim.PICO 3

Medline (010218) (Observationelle studier)

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

Search Strategy:

#	Searches	Results
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1	Meniere disease/ or meniere*.mp.	7949
2	Hearing Disorders/ or hearing disorder*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	15110
3	vertigo/ or vertigo*.mp.	15969
4	vestibular*.mp. or vestibular disorder/	39256
5	1 or 2 or 3 or 4	67183
6	middle ear ventilation/ or tympanostomy tube/ or tympanostomy.mp.	2916
7	grommet*.mp.	561
8	ventilation tube*.mp.	1061
9	(ventilat* or tubulat* or tympanostom*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	167688
10	(tubulat* or tympanostom*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1884
11	(myringotomy tube or myringotomy or myringotom*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1435
12	6 or 7 or 8 or 9 or 10 or 11	168580
13	5 and 12	424
14	(randomized controlled trial* 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, synonyms]	703469
15	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	555343
16	14 or 15	895127
17	13 and 16	58
18	limit 13 to (meta analysis or systematic reviews)	19
19	17 or 18	68
20	remove duplicates from 19	64
21	((cohort* or perspective or prospective or longitud* or follow-up or follow up or followup or retro-spective or retrospective or case-control* or case control* or observational or cross-section* or cross section* or multi-cent* or multicent* or evaluation or comparative or intervention or provoca* or validation) adj3 (study	1371833



	or studies or trial*1 or analys*)),ti,ab,kw.	
22	13 and 21	75
23	22 not 19	54
24	20 or 22	118

Embase (010218)

Database(s): **Embase** 1974 to 2018 January 31
Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9353
2	Hearing Disorders/ or hearing disorder*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	11313
3	vertigo/ or vertigo*.mp.	50206
4	vestibular*.mp. or vestibular disorder/	50717
5	1 or 2 or 3 or 4	105463
6	middle ear ventilation/ or tympanostomy tube/ or tympanostomy.mp.	3542
7	grommet*.mp.	728
8	ventilation tube*.mp.	1293
9	(ventilat* or tubulat* or tympanostom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	282278
10	(tubulat* or tympanostom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	3821
11	(myringotomy tube or myringotomy or myringotom*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	3756
12	6 or 7 or 8 or 9 or 10 or 11	285049
13	5 and 12	856
14	(randomized controlled trial* or controlled clinical trial*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	844261
15	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	758925
16	14 or 15	1182860
17	13 and 16	80



18	limit 13 to (meta analysis or systematic reviews) [Limit not valid in Embase; records were retained]	14
19	17 or 18	85
20	remove duplicates from 19	80
21	((cohort* or perspective or prospective or longitud* or follow-up or follow up or followup or retro-spective or retrospective or case-control* or case control* or observational or cross-section* or cross section* or multi-cent* or multicent* or evaluation or comparative or intervention or provoca* or validation) adj3 (study or studies or trial*1 or analys*)),ti,ab,kw.	1945800
22	13 and 21	109
23	22 not 19	87
24	20 or 22	167

Prim.PICO 4

Medline (010218)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	7949
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	28091
3	vertigo/ or vertigo*.mp.	15969
4	vestibular*.mp. or vestibular disorder/	39256
5	1 or 2 or 3 or 4	78993
6	betahistine/	373
7	betahistine*.mp.	499
8	6 or 7	499
9	5 and 8	318
10	limit 9 to (controlled clinical trial or randomized controlled trial)	63
11	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	555343
12	9 and 11	73
13	10 or 12	98
14	limit 13 to yr="2009 - 2018"	37

Embase (010218)

Database(s): **Embase** 1974 to 2018 January 31

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9353
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	80447
3	vertigo/ or vertigo*.mp.	50206
4	vestibular*.mp. or vestibular disorder/	50717
5	1 or 2 or 3 or 4	167814
6	betahistine/	1239
7	betahistine*.mp.	1308
8	6 or 7	1308
9	5 and 8	781
10	limit 9 to (controlled clinical trial or randomized controlled trial)	61
11	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*))) or rct).ti,ab,kw.	758925
12	9 and 11	120
13	10 or 12	139
14	limit 13 to yr="2009 - 2018"	57

Prim.PICO 5

Medline (020218)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	7951
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	28099
3	vertigo/ or vertigo*.mp.	15974
4	vestibular*.mp. or vestibular disorder/	39264
5	1 or 2 or 3 or 4	79012
6	diuretic*.mp.	50891
7	thiazide*.mp.	5246



8	hydrochlorothiazide/ or hydrochlorotiazide*.mp.	6389
9	6 or 7 or 8	55841
10	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*))) or rct).ti,ab,kw.	555770
11	5 and 9	362
12	limit 11 to (controlled clinical trial or randomized controlled trial)	18
13	10 and 11	21
14	12 or 13	28

Embase (020218)

Database(s): **Embase** 1974 to 2018 Week 05

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9351
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	80401
3	vertigo/ or vertigo*.mp.	50196
4	vestibular*.mp. or vestibular disorder/	50691
5	1 or 2 or 3 or 4	167739
6	diuretic*.mp.	114665
7	thiazide*.mp.	19194
8	hydrochlorothiazide/ or hydrochlorotiazide*.mp.	25008
9	6 or 7 or 8	130995
10	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*))) or rct).ti,ab,kw.	757804
11	5 and 9	2730
12	limit 11 to (controlled clinical trial or randomized controlled trial)	436
13	10 and 11	485
14	12 or 13	678
15	limit 14 to yr="2009 - 2018"	60

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Medline (020218)

Database(s): Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid

MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	7951
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	28099
3	vertigo/ or vertigo*.mp.	15974
4	vestibular*.mp. or vestibular disorder/	39264
5	1 or 2 or 3 or 4	79012
6	middle ear ventilation/ or tympanostomy tube/ or tympanostomy.mp.	2917
7	grommet*.mp.	560
8	myringotomy tube/ or myringotomy/ or myringotomy.mp.	1348
9	ventilation tube*.mp.	1061
10	meniett*.mp.	43
11	meniett device*.mp.	24
12	positive pressure*.mp.	22870
13	micro pressure*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	61
14	pressure therap*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1497
15	pressure therap*.mp.	1497
16	mini Q.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	4
17	6 or 7 or 8 or 9	4241
18	10 or 11 or 12 or 13 or 14 or 15 or 16	24232
19	device*.mp.	390858
20	equipment*.mp.	291268
21	18 or 19 or 20	645728
22	5 and 21	2340

23	((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	555770
24	limit 22 to (controlled clinical trial or randomized controlled trial)	84
25	22 and 23	94
26	24 or 25	137
27	limit 26 to yr="2015 - 2018"	39

Embase (020218)

Database(s): **Embase** 1974 to 2018 Week 05

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9351
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	80401
3	vertigo/ or vertigo*.mp.	50196
4	vestibular*.mp. or vestibular disorder/	50691
5	1 or 2 or 3 or 4	167739
6	middle ear ventilation/ or tympanostomy tube/ or tympanostomy.mp.	3539
7	grommet*.mp.	727
8	myringotomy tube/ or myringotomy/ or myringotomy.mp.	3693
9	ventilation tube*.mp.	1292
10	meniett*.mp.	65
11	meniett device*.mp.	38
12	positive pressure*.mp.	13601
13	micro pressure*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	78
14	pressure therap*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	2209
15	pressure therap*.mp.	2209
16	mini Q.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	4
17	6 or 7 or 8 or 9	7040
18	10 or 11 or 12 or 13 or 14 or 15 or 16	15797
19	device*.mp.	607166



20	equipment*.mp.	342275
21	18 or 19 or 20	897275
22	5 and 21	6119
23	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	757804
24	limit 22 to (controlled clinical trial or randomized controlled trial)	244
25	22 and 23	252
26	24 or 25	385
27	limit 26 to yr="2015 - 2018"	109

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Medline(060218)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	7956
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	28103
3	vertigo/ or vertigo*.mp.	15987
4	vestibular*.mp. or vestibular disorder/	39295
5	1 or 2 or 3 or 4	79054
6	corticosteroids.mp. or corticosteroid/	60332
7	intratympanic*.mp. or Ear, Middle/ or INJECTION, INTRATYMPANIC/ or Tympanic Membrane/	19711
8	6 or 7	79978
9	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	556389
10	5 and 8 and 9	97
11	limit 10 to yr="2011 - 2018"	40

Embase (060218)

Database(s): **Embase** 1974 to 2018 February 05

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9355
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	80513
3	vertigo/ or vertigo*.mp.	50233
4	vestibular*.mp. or vestibular disorder/	50741
5	1 or 2 or 3 or 4	167922
6	corticosteroids.mp. or corticosteroid/	248768
7	intratympanic*.mp. or Ear, Middle/ or INJECTION, INTRATYMPANIC/ or Tympanic Membrane/	17279
8	6 or 7	265832
9	((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	759761
10	5 and 8 and 9	344
11	limit 10 to yr="2011 - 2018"	113

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Medline(020218)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	7951
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	28099
3	vertigo/ or vertigo*.mp.	15974
4	vestibular*.mp. or vestibular disorder/	39264
5	1 or 2 or 3 or 4	79012
6	intratympanic*.mp.	1186
7	gentamicin/ or intratympanic drug administration/	17486
8	intratympanic gentamicin*.mp.	220
9	endolymphatic sac surgery.mp.	150
10	endolymphatic sac/ or endolymphatic sac*.mp.	1739



11	gentamicin/ or gentamicin*.mp.	28840
12	6 or 7 or 8 or 9 or 10 or 11	31389
13	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	555770
14	5 and 12	2244
15	limit 14 to (controlled clinical trial or randomized controlled trial)	71
16	13 and 14	107
17	15 or 16	130
18	limit 17 to yr="2010 - 2018"	39

Embase (020218)

Database(s): **Embase** 1974 to 2018 February 01
Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9353
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	80449
3	vertigo/ or vertigo*.mp.	50208
4	vestibular*.mp. or vestibular disorder/	50718
5	1 or 2 or 3 or 4	167818
6	intratympanic*.mp.	1784
7	gentamicin/ or intratympanic drug administration/	97194
8	intratympanic gentamicin*.mp.	256
9	endolymphatic sac surgery.mp.	175
10	endolymphatic sac/ or endolymphatic sac*.mp.	2020
11	gentamicin/ or gentamicin*.mp.	101158
12	6 or 7 or 8 or 9 or 10 or 11	104326
13	((((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	759151
14	5 and 12	3984
15	limit 14 to (controlled clinical trial or randomized controlled trial)	130
16	13 and 14	185
17	15 or 16	246
18	limit 17 to yr="2010 - 2018"	90

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Medline (020218)

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

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	7951
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	28099
3	vertigo/ or vertigo*.mp.	15974
4	vestibular*.mp. or vestibular disorder/	39264
5	1 or 2 or 3 or 4	79012
6	endolymphatic sac/ or endolymphatic sac surger*.mp.	1256
7	occlusion/ or occulusion*.mp.	71
8	labyrinthectomy/	0
9	labyrinthectom*.mp.	966
10	labyrinthectomy/ or ear surgery/	0
11	semicircular canal/ or semicircular canal*.mp.	6046
12	semicircular*.mp.	7591
13	6 or 7 or 8 or 9 or 10 or 11 or 12	9702
14	5 and 13	5403
15	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	555770
16	limit 14 to (controlled clinical trial or randomized controlled trial)	87
17	14 and 15	89
18	16 or 17	129
19	limit 18 to yr="2012 - 2018"	36

Embase (020218)

Database(s): **Embase** 1974 to 2018 February 01

Search Strategy:

#	Searches	Results
1	Meniere disease/ or meniere*.mp.	9353
2	hearing disorder/ or Hearing Loss/ or Hearing Disorders/ or hearing disorder*.mp. or hearing impairment/	80449
3	vertigo/ or vertigo*.mp.	50208



4	vestibular*.mp. or vestibular disorder/	50718
5	1 or 2 or 3 or 4	167818
6	endolymphatic sac/ or endolymphatic sac surger*.mp.	1549
7	occlusion/ or occulusion*.mp.	24673
8	labyrinthectomy/	1120
9	labyrinthectom*.mp.	1499
10	labyrinthectomy/ or ear surgery/	4627
11	semicircular canal/ or semicircular canal*.mp.	6828
12	semicircular*.mp.	8467
13	6 or 7 or 8 or 9 or 10 or 11 or 12	39084
14	5 and 13	7990
15	(((random* or control?ed or crossover or cross-over or blind* or mask*) adj3 (trial*1 or study or studies or analy*)) or rct).ti,ab,kw.	759151
16	limit 14 to (controlled clinical trial or randomized controlled trial)	99
17	14 and 15	113
18	16 or 17	168
19	limit 18 to yr="2012 - 2018"	51