

Søgeprotokol for Nationale Kliniske Retningslinjer

Projektitel/aspekt	NKR for brug af antibiotika ved tandlægebehandling – søgning på sekundærlitteratur
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Senest opdateret	1.marts 2016

Baggrund	<p>PICO 1 Bør patienter med odontogene abscesser tilbydes antibiotika, hvis deres almentilstand ikke er påvirket af infektionen?</p> <p>PICO 2 Bør man anvende penicillin V alene eller i kombination med metronidazol ved behandling af odontogene abscesser hos personer, hvis almentilstand er påvirket af infektionen?</p> <p>PICO 3 Bør patienter tilbydes profylaktisk antibiotikum i forbindelse med indsættelse af implantater uden knogleopbygning?</p> <p>PICO 4 Bør patienter tilbydes profylaktisk antibiotikum i forbindelse med indsættelse af implantater med knogleopbygning?</p> <p>PICO 5 Bør patienter tilbydes profylaktisk antibiotikum i forbindelse med dentoalveolær kirurgi?</p> <p>PICO 6 Bør man i forbindelse med ekstraktioner og andre indgreb i kæbeknoglen tilbyde antibiotika til patienter i behandling med antiresorptive medikamenter?</p> <p>PICO 7 Bør man tilbyde antibiotika ved behandling af marginal parodontitis hos voksne patienter med sufficient mundhygiejne, hvis sygdommen ikke responderer på mekanisk infektionsbehandling?</p> <p>PICO 8 Bør man tilbyde antibiotika ved behandling af periimplantitis hos patienter, som har sufficient mundhygiejne, men responderer dårligt på mekanisk infektionsbehandling?</p> <p>PICO 9 Bør man anvende metronidazol alene eller i kombination med amoxicillin som supplement til mekanisk infektionsbehandling af marginal parodontitis hos voksne med sufficient mundhygiejne, hvis sygdommen ikke responderer på sufficient mekanisk infektionsbehandling?</p> <p>PICO 10 Bør man anvende amoxicillin alene eller i kombination med metronidazol som supplement til mekanisk infektionsbehandling af marginal parodontitis hos patienter med sufficient mundhygiejne, hvis sygdommen ikke responderer på sufficient mekanisk infektionsbehandling?</p>
Søgetermer	Se søgestrategierne under de enkelte PICOs

Inklusions- og eksklusionskriterier	Sprog: Engelsk, dansk, norsk og svensk År: Sidste 10 år (2006-2016) Publikationstyper: Systematiske reviews og metaanalyser
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Informationskilder

DATABASE	INTERFACE	DATO FOR SØGNING
Medline	OVID	13.01.2016 – 01.03.2016
EMBASE	OVID	13.01.2016 – 01.03.2016
The Cochrane library	Internettet	13.01.2016 – 01.03.2016

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 sekundær litteratur

PICO 1 (83 referencer efter dubletsøgning)

Medline

1	Periodontal Abscess/	596
2	Periapical Abscess/	1723
3	Pericoronitis/	417
4	periodontal abscess*.mp.	682
5	Periapical Abscess*.mp.	1787
6	pericoronitis.mp.	528
7	(apical adj2 abscess*).mp.	105
8	dental abscess*.mp.	276
9	(tooth adj3 abscess*).mp.	125
10	(teeth adj3 abscess*).mp.	93
11	or/1-10	3200
12	exp Anti-Bacterial Agents/	595786
13	Antibiotic Prophylaxis/	11007
14	exp Penicillins/	74946
15	exp Amoxicillin/	9577
16	Metronidazole/	11234
17	drug therapy.fs.	1807402
18	antibiotic*.mp.	287850
19	anti-bacterial agent*.mp.	264420
20	(antibiotic* adj3 prophyla*).mp.	19861
21	penicillin*.mp.	77616
22	amoxicillin.mp.	15839
23	metronidazole.mp.	16524
24	or/12-23	2322191
25	11 and 24	796
26	limit 25 to (meta analysis or systematic reviews)	6
27	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	488303
28	(pooled adj1 (data or analys*).ti,ab.	10422
29	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114008
30	or/27-29	534081
31	25 and 30	17
32	26 or 31	19
33	limit 32 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	12

Embase

1	periodontal abscess/	153
2	tooth abscess/	594
3	periodontal abscess*.mp.	314
4	Periapical Abscess*.mp.	218
5	pericoronitis.mp.	306
6	(apical adj2 abscess*).mp.	92
7	dental abscess*.mp.	368

8	(Teeth adj3 abscess*).mp.	91
9	(tooth adj3 abscess*).mp.	733
10	or/1-9	1848
11	exp antibiotic agent/	1076502
12	antibiotic prophylaxis/	23523
13	exp penicillin derivative/	258466
14	amoxicillin/	50511
15	metronidazole/	54821
16	drug therapy.fs.	3203936
17	antibiotic*.mp.	592523
18	anti-bacterial agent*.mp.	725
19	(antibiotic* adj3 prophyla*).mp.	32983
20	penicillin*.mp.	143707
21	amoxicillin.mp.	72621
22	metronidazole.mp.	56610
23	or/11-22	3935983
24	10 and 23	826
25	limit 24 to (meta analysis or "systematic review")	8
26	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	883228
27	(pooled adj1 (data or analys*).ti,ab.	15575
28	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	141029
29	or/26-28	940136
30	24 and 29	38
31	25 or 30	39
32	limit 31 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	31

Cochrane

#1	MeSH descriptor: [Periodontal Abscess] explode all trees	18
#2	MeSH descriptor: [Periapical Abscess] explode all trees	29
#3	MeSH descriptor: [Pericoronitis] explode all trees	16
#4	periodontal abscess* (Word variations have been searched)	53
#5	periapical abscess* (Word variations have been searched)	49
#6	pericoronitis (Word variations have been searched)	52
#7	apical abscess* (Word variations have been searched)	26
#8	dental abscess* (Word variations have been searched)	116
#9	tooth abscess* (Word variations have been searched)	121
#10	teeth abscess* (Word variations have been searched)	121
#11	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10	237
#12	MeSH descriptor: [Anti-Bacterial Agents] explode all trees	9493
#13	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#14	MeSH descriptor: [Penicillins] explode all trees	4677
#15	MeSH descriptor: [Amoxicillin] explode all trees	2129
#16	MeSH descriptor: [Metronidazole] explode all trees	1712
#17	Any MeSH descriptor with qualifier(s): [Drug therapy - DT]	172204
#18	antibiotic* (Word variations have been searched)	20285
#19	anti-bacterial agent* (Word variations have been searched)	8752
#20	antibiotic* prophyla* (Word variations have been searched)	5146
#21	penicillin* (Word variations have been searched)	3492
#22	amoxicillin (Word variations have been searched)	4251
#23	metronidazole (Word variations have been searched)	3531

#24	#12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23	190013
#25	#11 and #24 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	41

PICO 2 (5 referencer efter dubletsøgning)

Medline

1	Periodontal Abscess/	596
2	Periapical Abscess/	1723
3	Pericoronitis/	417
4	periodontal abscess*.mp.	682
5	periapical abscess*.mp.	1787
6	pericoronitis.mp.	528
7	(apical adj2 abscess*).mp.	105
8	dental abscess*.mp.	276
9	((tooth or teeth) adj3 abscess*).mp.	215
10	or/1-9	3200
11	Penicillin V/	2121
12	penicillin v.mp.	2586
13	or/11-12	2586
14	Metronidazole/	11234
15	metronidazole.mp.	16524
16	or/14-15	16524
17	10 and 13 and 16	6
18	limit 17 to (meta analysis or systematic reviews)	0
19	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	488303
20	(pooled adj1 (data or analys*).ti,ab.	10422
21	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114008
22	or/19-21	534081
23	17 and 22	0
24	18 or 23	0

Embase

1	periodontal abscess/	153
2	tooth abscess/	594
3	periodontal abscess*.mp.	314
4	periapical abscess*.mp.	218
5	pericoronitis.mp.	306
6	(apical adj2 abscess*).mp.	92
7	dental abscess*.mp.	368
8	((tooth or teeth) adj3 abscess*).mp.	811
9	or/1-8	1848
10	penicillin V/	7119
11	penicillin v.mp.	7933
12	or/10-11	7933
13	metronidazole/	54821

14	metronidazole.mp.	56610
15	or/13-14	56610
16	9 and 12 and 15	12
17	limit 16 to (meta analysis or "systematic review")	0
18	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	883228
19	(pooled adj1 (data or analys*).ti,ab.	15575
20	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	141029
21	or/18-20	940136
22	16 and 21	0
23	17 or 22	0

Cochrane

#1	MeSH descriptor: [Periodontal Abscess] explode all trees	18
#2	MeSH descriptor: [Periapical Abscess] explode all trees	29
#3	MeSH descriptor: [Pericoronitis] explode all trees	16
#4	periodontal abscess* (Word variations have been searched)	53
#5	Periapical abscess* (Word variations have been searched)	49
#6	Pericoronitis (Word variations have been searched)	52
#7	Apical abscess* (Word variations have been searched)	26
#8	Dental abscess* (Word variations have been searched)	116
#9	tooth abscess* (Word variations have been searched)	121
#10	teeth abscess* (Word variations have been searched)	121
#11	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10	237
#12	MeSH descriptor: [Penicillin V] explode all trees	295
#13	penicillin v (Word variations have been searched)	819
#14	#12 or #13	819
#15	MeSH descriptor: [Metronidazole] explode all trees	1712
#16	metronidazole (Word variations have been searched)	3531
#17	#15 or #16	3531
#18	#11 and #14 and #17 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	5

PICO 3 (64 referencer efter dubletsøgning)

Medline

1	exp Dental Implantation/	17738
2	Dental Implants/	15170
3	dental implant*.mp.	29646
4	(tooth adj3 implant*).mp.	2905
5	or/1-4	29960
6	Antibiotic Prophylaxis/	11020
7	prophyla*.mp.	141890
8	or/6-7	141890
9	5 and 8	265
10	limit 9 to (meta analysis or systematic reviews)	31
11	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	489430

12	(pooled adj1 (data or analys*)).ti,ab.	10440
13	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114436
14	or/11-13	535357
15	9 and 14	38
16	10 or 15	42
17	limit 16 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	30

Embase

1	tooth implant/	4179
2	tooth implantation/	23944
3	dental implant*.mp.	11123
4	(tooth adj3 implant*).mp.	27094
5	or/1-4	28773
6	antibiotic prophylaxis/	23576
7	prophyla*.mp.	236462
8	or/6-7	236462
9	5 and 8	193
10	limit 9 to (meta analysis or "systematic review")	15
11	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	887197
12	(pooled adj1 (data or analys*)).ti,ab.	15668
13	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	141905
14	or/11-13	944338
15	9 and 14	38
16	10 or 15	40
17	limit 16 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	25

Cochrane

#1	MeSH descriptor: [Dental Implantation] explode all trees	815
#2	MeSH descriptor: [Dental Implants] explode all trees	1057
#3	dental implant* (Word variations have been searched)	2207
#4	tooth implant*	730
#5	#1 or #2 or #3 or #4	2320
#6	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#7	prophyla* (Word variations have been searched)	25238
#8	#6 or #7	25238
#9	#5 and #8 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	36

PICO 4 (23 referencer efter dubletsøgning)

Medline

1	exp Dental Implantation/	17741
2	Dental Implants/	15175

3	dental implant*.mp.	29654
4	(tooth adj3 implant*).mp.	2906
5	or/1-4	29970
6	Antibiotic Prophylaxis/	11029
7	prophyla*.mp.	142001
8	or/6-7	142001
9	5 and 8	265
10	(((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	490166
11	(pooled adj1 (data or analys*)).ti,ab.	10463
12	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114654
13	or/10-12	536180
14	exp Bone Transplantation/	27094
15	(bone adj4 (augment* or transplant* or graft* or replace*)).mp.	97699
16	14 or 15	97864
17	9 and 16	26
18	limit 17 to (meta analysis or systematic reviews)	2
19	13 and 17	3
20	18 or 19	3
21	limit 20 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	1

Embase

1	tooth implant/	4195
2	tooth implantation/	23951
3	dental implant*.mp.	11133
4	(tooth adj3 implant*).mp.	27113
5	or/1-4	28794
6	antibiotic prophylaxis/	23608
7	prophyla*.mp.	236724
8	or/6-7	236724
9	5 and 8	193
10	(((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	889529
11	(pooled adj1 (data or analys*)).ti,ab.	15707
12	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	142334
13	or/10-12	946779
14	exp bone transplantation/	41975
15	(bone adj4 (augment* or transplant* or graft* or replace*)).mp.	122280
16	14 or 15	125990
17	9 and 16	30
18	limit 17 to (meta analysis or "systematic review")	3
19	13 and 17	7
20	18 or 19	7
21	limit 20 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	3

Cochrane

#1	MeSH descriptor: [Dental Implantation] explode all trees	815
#2	MeSH descriptor: [Dental Implants] explode all trees	1057
#3	dental implant* (Word variations have been searched)	2207
#4	tooth implant*	730

#5	#1 or #2 or #3 or #4	2320
#6	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#7	prophyla* (Word variations have been searched)	25240
#8	#6 or #7	25240
#9	#5 and #8	89
#10	MeSH descriptor: [Bone Transplantation] explode all trees	744
#11	bone and (augment* or transplant* or graft* or replace*)	10174
#12	#10 or #11	10180
#13	#9 and #12 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	21

Supplerende søgning PICO 4 (13 referencer efter dubletsøgning)

Medline

1	Sinus Floor Augmentation/	446
2	(sinus floor adj3 (elevat* or augment* or lift*)).mp.	1046
3	1 or 2	1046
4	exp Anti-Bacterial Agents/	599147
5	Antibiotic Prophylaxis/	11088
6	exp Penicillins/	75143
7	exp Amoxicillin/	9633
8	Metronidazole/	11302
9	drug therapy.fs.	1823046
10	antibiotic*.mp.	290438
11	anti-bacterial agent*.mp.	266602
12	(antibiotic* adj3 prophyla*).mp.	20016
13	penicillin*.mp.	77810
14	amoxicillin.mp.	15975
15	metronidazole.mp.	16602
16	or/4-15	2341068
17	3 and 16	30
18	limit 17 to (meta analysis or systematic reviews)	0
19	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw.	475299
20	(pooled adj1 (data or analys*)).ti,ab.	10672
21	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	117180
22	or/19-21	526042
23	17 and 22	2
24	limit 23 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	2

Embase

1	sinus floor augmentation/	469
2	(sinus floor adj3 (elevat* or augment* or lift*)).mp.	981
3	1 or 2	981
4	exp antibiotic agent/	1088248
5	antibiotic prophylaxis/	23786
6	exp penicillin derivative/	261862
7	amoxicillin/	50835

8	metronidazole/	55228
9	drug therapy.fs.	3230961
10	antibiotic*.mp.	598514
11	anti-bacterial agent*.mp.	735
12	(antibiotic* adj3 prophyla*).mp.	33334
13	penicillin*.mp.	146389
14	amoxicillin.mp.	73186
15	metronidazole.mp.	57039
16	or/4-15	3973131
17	3 and 16	221
18	limit 17 to (meta analysis or "systematic review")	2
19	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw.	731460
20	(pooled adj1 (data or analys*).ti,ab.	15926
21	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	144388
22	or/19-21	794663
23	17 and 22	12
24	18 or 23	12
25	limit 24 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	11

Cochrane

#1	MeSH descriptor: [Sinus Floor Augmentation] explode all trees	70
#2	sinus floor and (elevat* or augment* or lift*) (Word variations have been searched)	214
#3	#1 or #2	214
#4	MeSH descriptor: [Anti-Bacterial Agents] explode all trees	10182
#5	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1344
#6	MeSH descriptor: [Penicillins] explode all trees	4790
#7	MeSH descriptor: [Amoxicillin] explode all trees	2216
#8	MeSH descriptor: [Metronidazole] explode all trees	1778
#9	Any MeSH descriptor with qualifier(s): [Drug therapy - DT]	182817
#10	antibiotic* (Word variations have been searched)	20709
#11	anti-bacterial agent* (Word variations have been searched)	9303
#12	antibiotic* prophyla* (Word variations have been searched)	5225
#13	penicillin* (Word variations have been searched)	3507
#14	amoxicillin (Word variations have been searched)	4335
#15	metronidazole (Word variations have been searched)	3579
#16	#4 or #15	12860
#17	#3 and #16 Publication Year from 2006 to 2016	0

PICO 5 (146 referencer efter dubletsøgning)

Medline

1	exp Surgery, Oral/	7319
2	exp Oral Surgical Procedures/	55347
3	Apicoectomy/	1489
4	exp Tooth Extraction/	17533
5	Molar, Third/su [Surgery]	2518

6	"Tooth Root"/su [Surgery]	1631
7	oral surgery.mp.	4122
8	oral surgical procedur*.mp.	7151
9	apicoectomy.mp.	1560
10	dentoalveolar surgery.mp.	157
11	((root* or tooth or teeth or molar*) adj3 (amputat* or surg* or remov* or extract* or impact*)).mp.	41861
12	decoronation.mp.	43
13	or/1-12	87363
14	Antibiotic Prophylaxis/	11020
15	prophyla*.mp.	141890
16	or/14-15	141890
17	13 and 16	1600
18	limit 17 to (meta analysis or systematic reviews)	61
19	(((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	489430
20	(pooled adj1 (data or analys*)).ti,ab.	10440
21	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114436
22	or/19-21	535357
23	17 and 22	92
24	18 or 23	114
25	limit 24 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	78

Embase

1	exp oral surgery/	39336
2	tooth extraction/	19531
3	exp dental surgery/	64245
4	molar tooth/su [Surgery]	2396
5	"tooth root"/su [Surgery]	1390
6	oral surgery.mp.	20679
7	oral surgical procedur*.mp.	360
8	apicoectomy.mp.	426
9	dentoalveolar surgery.mp.	185
10	((root* or tooth or teeth or molar*) adj3 (amputat* or surg* or remov* or extract* or impact*)).mp.	43917
11	decoronation.mp.	30
12	or/1-11	124722
13	antibiotic prophylaxis/	23576
14	prophyla*.mp.	236462
15	or/13-14	236462
16	12 and 15	1854
17	limit 16 to (meta analysis or "systematic review")	39
18	(((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	887197
19	(pooled adj1 (data or analys*)).ti,ab.	15668
20	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	141905
21	or/18-20	944338
22	16 and 21	143
23	17 or 22	147
24	limit 23 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	101

Cochrane

#1	MeSH descriptor: [Surgery, Oral] explode all trees	145
#2	MeSH descriptor: [Oral Surgical Procedures] explode all trees	3379
#3	MeSH descriptor: [Apicoectomy] explode all trees	83
#4	MeSH descriptor: [Tooth Extraction] explode all trees	1344
#5	MeSH descriptor: [Molar, Third] explode all trees and with qualifier(s): [Surgery - SU]	625
#6	MeSH descriptor: [Tooth Root] explode all trees and with qualifier(s): [Surgery - SU]	102
#7	oral surgery:ti,ab,kw (Word variations have been searched)	7866
#8	oral surgical procedure*:ti,ab,kw (Word variations have been searched)	2242
#9	apicoectomy:ti,ab,kw (Word variations have been searched)	95
#10	dentoalveolar surgery:ti,ab,kw (Word variations have been searched)	16
#11	(root* or tooth or teeth or molar*) and (amputat* or surg* or remov* or extract* or impact*):ti,ab,kw (Word variations have been searched)	7503
#12	decoronation:ti,ab,kw (Word variations have been searched)	1
#13	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12	16244
#14	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#15	antibiot* prophyla*:ti,ab,kw (Word variations have been searched)	4345
#16	#14 or #15	4345
#17	#13 and #16 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	18

PICO 6 (102 referencer efter dubletsøgning)

Medline

1	exp Surgery, Oral/	7319
2	exp Oral Surgical Procedures/	55347
3	Apicoectomy/	1489
4	Tooth Extraction/	16746
5	Molar, Third/su [Surgery]	2518
6	"Tooth Root"/su [Surgery]	1631
7	oral surgery.mp.	4121
8	oral surgical procedur*.mp.	7150
9	apicoectomy.mp.	1560
10	dentoalveolar surgery.mp.	157
11	((root* or tooth or teeth or molar*) adj3 (amputat* or surg* or remov* or extract* or impact*)).mp.	41821
12	decoronation.mp.	43
13	or/1-12	87321
14	exp Anti-Bacterial Agents/	596058
15	Antibiotic Prophylaxis/	11020
16	exp Penicillins/	74965
17	exp Amoxicillin/	9582
18	Metronidazole/	11237
19	drug therapy.fs.	1808615
20	antibiotic*.mp.	287756
21	anti-bacterial agent*.mp.	264580
22	(antibiotic* adj3 prophyla*).mp.	19859
23	penicillin*.mp.	77610
24	amoxicillin.mp.	15836

25	metronidazole.mp.	16512
26	or/14-25	2323328
27	exp Diphosphonates/	21889
28	exp Bone Density Conservation Agents/	108116
29	Denosumab/	773
30	bisphosphonate*.mp.	12935
31	diphosphonate*.mp.	16443
32	antiresorptive*.mp.	1799
33	bone resorption inhibit*.mp.	187
34	denosumab.mp.	1402
35	or/27-34	117295
36	13 and 26 and 35	312
37	limit 36 to (meta analysis or systematic reviews)	20
38	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	487882
39	(pooled adj1 (data or analys*)).ti,ab.	10407
40	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	113957
41	or/38-40	533693
42	36 and 41	29
43	37 or 42	39
44	limit 43 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	30

Embase

1	exp oral surgery/	39227
2	tooth extraction/	19491
3	molar tooth/su [Surgery]	2396
4	"tooth root"/su [Surgery]	1390
5	oral surgery.mp.	20640
6	oral surgical procedur*.mp.	360
7	apicoectomy.mp.	426
8	dentoalveolar surgery.mp.	185
9	((root* or tooth or teeth or molar*) adj3 (amputat* or surg* or remov* or extract* or impact*)).mp.	43790
10	decoronation.mp.	30
11	or/1-10	84070
12	exp antibiotic agent/	1076502
13	antibiotic prophylaxis/	23523
14	exp penicillin derivative/	258466
15	amoxicillin/	50511
16	metronidazole/	54821
17	drug therapy.fs.	3203936
18	antibiotic*.mp.	592523
19	anti-bacterial agent*.mp.	725
20	(antibiotic* adj3 prophyla*).mp.	32983
21	penicillin*.mp.	143707
22	amoxicillin.mp.	72621
23	metronidazole.mp.	56610
24	or/12-23	3935983
25	exp bisphosphonic acid derivative/	50960
26	bone density conservation agent/	2686
27	denosumab/	4430
28	bisphosphonate*.mp.	19949

29	diphosphonate*.mp.	4359
30	antiresorptive*.mp.	2734
31	bone resorption inhibit*.mp.	261
32	denosumab.mp.	4630
33	or/25-32	58214
34	11 and 24 and 33	655
35	(((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	883228
36	(pooled adj1 (data or analys*)).ti,ab.	15575
37	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	141029
38	or/35-37	940136
39	limit 34 to (meta analysis or "systematic review")	7
40	34 and 38	49
41	39 or 40	51
42	limit 41 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	44

Cochrane

#1	MeSH descriptor: [Surgery, Oral] explode all trees	145
#2	MeSH descriptor: [Oral Surgical Procedures] explode all trees	3379
#3	MeSH descriptor: [Apicoectomy] explode all trees	83
#4	MeSH descriptor: [Tooth Extraction] explode all trees	1344
#5	MeSH descriptor: [Molar, Third] explode all trees and with qualifier(s): [Surgery - SU]	625
#6	MeSH descriptor: [Tooth Root] explode all trees and with qualifier(s): [Surgery - SU]	102
#7	oral surgery (Word variations have been searched)	17726
#8	oral surgical procedure* (Word variations have been searched)	4463
#9	apicoectomy (Word variations have been searched)	99
#10	dentoalveolar surgery (Word variations have been searched)	41
#11	(root* or tooth or teeth or molar*) and (amputat* or surg* or remov* or extract* or impact*) (Word variations have been searched)	9352
#12	decoronation (Word variations have been searched)	2
#13	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12	24385
#14	MeSH descriptor: [Anti-Bacterial Agents] explode all trees	9493
#15	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#16	MeSH descriptor: [Penicillins] explode all trees	4677
#17	MeSH descriptor: [Amoxicillin] explode all trees	2129
#18	MeSH descriptor: [Metronidazole] explode all trees	1712
#19	Any MeSH descriptor with qualifier(s): [Drug therapy - DT]	172204
#20	antibiotic* (Word variations have been searched)	20285
#21	anti-bacterial agent* (Word variations have been searched)	8752
#22	antibiotic* prophyla* (Word variations have been searched)	5146
#23	penicillin* (Word variations have been searched)	3492
#24	amoxicillin (Word variations have been searched)	4251
#25	metronidazole (Word variations have been searched)	3531
#26	#14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25	190013
#27	MeSH descriptor: [Diphosphonates] explode all trees	1979
#28	MeSH descriptor: [Bone Density Conservation Agents] explode all trees	1265
#29	bisphosphonate* (Word variations have been searched)	1462
#30	diphosphonate* (Word variations have been searched)	1110
#31	antiresorptive* (Word variations have been searched)	267
#32	bone resorption inhibit* (Word variations have been searched)	528
#33	denosumab (Word variations have been searched)	347
#34	#27 or #28 or #29 or #30 or #31 or #32 or #33	3724

#35	#13 and #26 and #34 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	44
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PICO 7 (294 referencer efter dubletsøgning)

Medline

1	Periodontitis/	15010
2	Aggressive Periodontitis/	1817
3	Chronic Periodontitis/	1872
4	periodontitis.mp.	26203
5	((refract* or aggressive or chronic*) adj2 periodont*).mp.	7557
6	or/1-5	26491
7	exp Anti-Bacterial Agents/	596397
8	Antibiotic Prophylaxis/	11029
9	exp Penicillins/	74985
10	exp Amoxicillin/	9586
11	Metronidazole/	11247
12	drug therapy.fs.	1810104
13	antibiotic*.mp.	288365
14	anti-bacterial agent*.mp.	264796
15	(antibiotic* adj3 prophyla*).mp.	19890
16	penicillin*.mp.	77664
17	amoxicillin.mp.	15860
18	metronidazole.mp.	16535
19	or/7-18	2325544
20	6 and 19	3890
21	limit 20 to (meta analysis or systematic reviews)	123
22	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	490506
23	(pooled adj1 (data or analys*)).ti,ab.	10470
24	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114742
25	or/22-24	536556
26	20 and 25	183
27	21 or 26	212
28	limit 27 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	126

Embase

1	periodontitis/	20935
2	aggressive periodontitis/	580
3	chronic periodontitis/	2324
4	periodontitis.mp.	28158
5	((refract* or aggressive or chronic*) adj2 periodont*).mp.	6203
6	or/1-5	28462
7	exp antibiotic agent/	1079440
8	antibiotic prophylaxis/	23608
9	exp penicillin derivative/	258982
10	amoxicillin/	50643
11	metronidazole/	55019

12	drug therapy.fs.	3213312
13	antibiotic*.mp.	594585
14	anti-bacterial agent*.mp.	729
15	(antibiotic* adj3 prophyla*).mp.	33098
16	penicillin*.mp.	143913
17	amoxicillin.mp.	72833
18	metronidazole.mp.	56823
19	or/7-18	3947773
20	6 and 19	6518
21	limit 20 to (meta analysis or "systematic review")	107
22	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	889529
23	(pooled adj1 (data or analys*)).ti,ab.	15707
24	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	142334
25	or/22-24	946779
26	20 and 25	356
27	21 or 26	364
28	limit 27 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	233

Cochrane

#1	MeSH descriptor: [Periodontitis] this term only	933
#2	MeSH descriptor: [Aggressive Periodontitis] explode all trees	55
#3	MeSH descriptor: [Chronic Periodontitis] explode all trees	283
#4	periodontitis:ti,ab,kw (Word variations have been searched)	2317
#5	(refract* or aggressive* or chronic*) and (periodont*):ti,ab,kw (Word variations have been searched)	1104
#6	#1 or #2 or #3 or #4 or #5	2403
#7	MeSH descriptor: [Anti-Bacterial Agents] explode all trees	9493
#8	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#9	MeSH descriptor: [Penicillins] explode all trees	4677
#10	MeSH descriptor: [Amoxicillin] explode all trees	2129
#11	MeSH descriptor: [Metronidazole] explode all trees	1712
#12	Any MeSH descriptor with qualifier(s): [Drug therapy - DT]	172204
#13	antibiotic* (Word variations have been searched)	20288
#14	anti-bacterial agent* (Word variations have been searched)	8752
#15	antibiotic* prophyla* (Word variations have been searched)	5147
#16	penicillin* (Word variations have been searched)	3492
#17	amoxicillin (Word variations have been searched)	4251
#18	metronidazole (Word variations have been searched)	3532
#19	#7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18	190016
#20	#6 and #19 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	41

PICO 8 (40 referencer efter dubletsøgning)

Medline

1	Peri-Implantitis/	432
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2	peri-implantitis.mp.	1221
3	periiplantitis.mp.	115
4	peri implantitis.mp.	1221
5	or/1-4	1296
6	exp Anti-Bacterial Agents/	596397
7	Antibiotic Prophylaxis/	11029
8	exp Penicillins/	74985
9	exp Amoxicillin/	9586
10	Metronidazole/	11247
11	drug therapy.fs.	1810104
12	antibiotic*.mp.	288207
13	anti-bacterial agent*.mp.	264795
14	(antibiotic* adj3 prophyla*).mp.	19882
15	penicillin*.mp.	77653
16	amoxicillin.mp.	15851
17	metronidazole.mp.	16529
18	or/6-17	2325377
19	5 and 18	192
20	limit 19 to (meta analysis or systematic reviews)	20
21	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	489928
22	(pooled adj1 (data or analys*)).ti,ab.	10458
23	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab,jw.	114598
24	or/21-23	535923
25	19 and 24	29
26	20 or 25	34
27	limit 26 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	29

Embase

1	periiplantitis/	510
2	peri-implantitis.mp.	958
3	periiplantitis.mp.	596
4	peri implantitis.mp.	958
5	or/1-4	1234
6	exp antibiotic agent/	1078238
7	antibiotic prophylaxis/	23576
8	exp penicillin derivative/	258743
9	amoxicillin/	50600
10	metronidazole/	54972
11	drug therapy.fs.	3209873
12	antibiotic*.mp.	593822
13	anti-bacterial agent*.mp.	726
14	(antibiotic* adj3 prophyla*).mp.	33057
15	penicillin*.mp.	143819
16	amoxicillin.mp.	72757
17	metronidazole.mp.	56774
18	or/6-17	3943433
19	5 and 18	300
20	limit 19 to (meta analysis or "systematic review")	6
21	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw,sh,pt.	887197
22	(pooled adj1 (data or analys*)).ti,ab.	15668

23	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	141905
24	or/21-23	944338
25	19 and 24	45
26	20 or 25	45
27	limit 26 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	31

Cochrane

#1	MeSH descriptor: [Peri-Implantitis] explode all trees	43
#2	peri-implantitis:ti,ab,kw (Word variations have been searched)	97
#3	perimplantitis:ti,ab,kw (Word variations have been searched)	12
#4	peri implantitis:ti,ab,kw (Word variations have been searched)	97
#5	#1 or #2 or #3 or #4	106
#6	MeSH descriptor: [Anti-Bacterial Agents] explode all trees	9493
#7	MeSH descriptor: [Antibiotic Prophylaxis] explode all trees	1264
#8	MeSH descriptor: [Penicillins] explode all trees	4677
#9	MeSH descriptor: [Amoxicillin] explode all trees	2129
#10	MeSH descriptor: [Metronidazole] explode all trees	1712
#11	Any MeSH descriptor with qualifier(s): [Drug therapy - DT]	172204
#12	antibiotic* (Word variations have been searched)	20288
#13	anti-bacterial agent* (Word variations have been searched)	8752
#14	antibiotic* prophyla* (Word variations have been searched)	5147
#15	penicillin* (Word variations have been searched)	3492
#16	amoxicillin (Word variations have been searched)	4251
#17	metronidazole (Word variations have been searched)	3532
#18	#6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17	190016
#19	#5 and #18 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	7

PICO 9 og 10 (59 referencer efter dubletsøgning)

Medline

1	Periodontitis/	15079
2	Aggressive Periodontitis/	1830
3	Chronic Periodontitis/	1902
4	periodontitis.mp.	26358
5	((refract* or aggressive or chronic*) adj2 periodont*).mp.	7611
6	or/1-5	26647
7	exp Amoxicillin/	9627
8	Metronidazole/	11296
9	amoxicillin.mp.	15967
10	metronidazol*.mp.	16741
11	or/7-10	30264
12	6 and 11	664
13	limit 12 to (meta analysis or systematic reviews)	29
14	((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw.	474781
15	(pooled adj1 (data or analys*)).ti,ab.	10659
16	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or	116992

	psychinfo or scopus).ti,ab,jw.	
17	or/14-16	525476
18	12 and 17	37
19	13 or 18	42
20	limit 19 to (yr="2006 -Current" and (danish or english or norwegian or swedish))	29

Embase

1	periodontitis/	21014
2	aggressive periodontitis/	601
3	chronic periodontitis/	2351
4	periodontitis.mp.	28321
5	((refract* or aggressive or chronic*) adj2 periodont*).mp.	6254
6	or/1-5	28625
7	amoxicillin/	50835
8	metronidazole/	55228
9	amoxicillin.mp.	73186
10	metronidazol*.mp.	57124
11	or/7-10	117697
12	6 and 11	1062
13	limit 12 to (meta analysis or "systematic review")	28
14	(((systematic or method*) adj3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*).ti,ab,kw.	731460
15	(pooled adj1 (data or analys*)).ti,ab.	15926
16	(pubmed or medline or embase or cochrane or "web of science" or psycinfo or psychinfo or scopus).ti,ab.	144388
17	or/14-16	794663
18	12 and 17	54
19	13 or 18	62
20	limit 19 to ((danish or english or norwegian or swedish) and yr="2006 -Current")	37

Cochrane

#1	MeSH descriptor: [Aggressive Periodontitis] explode all trees	60
#2	MeSH descriptor: [Chronic Periodontitis] explode all trees	370
#3	periodontitis:ti,ab,kw (Word variations have been searched)	2391
#4	(refract* or aggressive* or chronic*) and (periodont*):ti,ab,kw (Word variations have been searched)	1166
#5	#1 or #2 or #3 or #4	2482
#6	MeSH descriptor: [Amoxicillin] explode all trees	2216
#7	MeSH descriptor: [Metronidazole] explode all trees	1778
#8	amoxicillin (Word variations have been searched)	4335
#9	metronidazol* (Word variations have been searched)	3625
#10	#6 or #7 or #8 or #9	7011
#11	#5 and #10 Publication Year from 2006 to 2016, in Cochrane Reviews (Reviews and Protocols) and Other Reviews	14