

Appendix 1 – Search Strategy

BTS Macrolides Guideline 2016 searches

Sources to be searched;

Cochrane Database of Systematic Reviews (CDSR)
Database of Abstracts of Reviews of Effects (DARE)
Health Technology Assessment Database (HTA)
Cochrane Central Register of Controlled Trials (CENTRAL)
MEDLINE and MEDLINE In-Process
EMBASE
Date range searched: all years
All study types
English language studies only

Cochrane Library (includes CDSR, DARE, HTA and CENTRAL)

<http://www.thecochranelibrary.com>

Search Name: BTS macrolides 17082016

Last Saved: 17/08/2016 08:54:16.919

Description:

- #1 MeSH descriptor: [Macrolides] explode all trees
- #2 macrolide or macrolides or neomacrolide or neomacrolides:ti,ab,kw (Word variations have been searched)
- #3 MeSH descriptor: [Erythromycin] explode all trees
- #4 "erythromycin":ti,ab,kw (Word variations have been searched)
- #5 MeSH descriptor: [Clarithromycin] explode all trees
- #6 "clarithromycin":ti,ab,kw (Word variations have been searched)
- #7 MeSH descriptor: [Azithromycin] explode all trees
- #8 "azithromycin":ti,ab,kw (Word variations have been searched)
- #9 MeSH descriptor: [Roxithromycin] explode all trees
- #10 "roxithromycin":ti,ab,kw (Word variations have been searched)
- #11 MeSH descriptor: [Troleandomycin] explode all trees
- #12 "troleandomycin":ti,ab,kw or "telithromycin":ti,ab,kw (Word variations have been searched)
- #13 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12
- #14 MeSH descriptor: [Dose-Response Relationship, Drug] explode all trees
- #15 MeSH descriptor: [Drug Administration Schedule] explode all trees
- #16 low dose or low-dose:ti,ab,kw or low dosage or low-dosage:ti,ab,kw or lower near/2 (dose or dosage):ti,ab,kw or lowest near/2 (dose or dosage):ti,ab,kw or reduc* near/2 (dose or dosage):ti,ab,kw (Word variations have been searched)

- #17 less* near/2 (dose or dosage):ti,ab,kw or drug level*:ti,ab,kw or drug dose or drug-dose or drug dosage or drug-dosage:ti,ab,kw or long term or long-term or prophylaxis or prophylactic:ti,ab,kw (Word variations have been searched)
- #18 #14 or #15 or #16 or #17
- #19 MeSH descriptor: [Pulmonary Disease, Chronic Obstructive] explode all trees
- #20 COPD or chronic obstructive pulmonary disease:ti,ab,kw (Word variations have been searched)
- #21 MeSH descriptor: [Bronchiectasis] explode all trees
- #22 "bronchiectasis":ti,ab,kw (Word variations have been searched)
- #23 MeSH descriptor: [Asthma] explode all trees
- #24 "asthma":ti,ab,kw (Word variations have been searched)
- #25 MeSH descriptor: [Bronchiolitis Obliterans] explode all trees
- #26 "obliterative bronchiolitis":ti,ab,kw or "bronchiolitis obliterans":ti,ab,kw or "diffuse panbronchiolitis":ti,ab,kw or (organising or organizing) near/1 pneumonia:ti,ab,kw (Word variations have been searched)
- #27 MeSH descriptor: [Cryptogenic Organizing Pneumonia] explode all trees
- #28 bronchiolitis obliterans organi?ing pneumonia:ti,ab,kw or cryptogenic organi?ing pneumonia:ti,ab,kw or chronic cough:ti,ab,kw (Word variations have been searched)
- #29 #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28
- #30 #13 and #18 and #29
- #31 MeSH descriptor: [Macrolides] this term only
- #32 MeSH descriptor: [Pulmonary Disease, Chronic Obstructive] this term only
- #33 #31 and #32
- #34 #30 or #33

Of 175 total results in entire Cochrane Library 7 were from Cochrane Database of Systematic Reviews (CDSR), 8 from Database of Reviews of Effects (DARE), 0 from Health Technology Assessment Database (HTA) and 160 from Cochrane Central Register of Controlled Trials (CENTRAL)..

MEDLINE and MEDLINE In-Process

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

- 1 exp Macrolides/ (96260)
- 2 (macrolide or macrolides or neomacrolide or neomacrolides).ti,ab,rn. (19887)
- 3 exp Erythromycin/ (22867)
- 4 erythromycin.ti,ab,rn. (23562)
- 5 Clarithromycin/ (5485)
- 6 Clarithromycin.ti,ab,rn. (8992)

- 7 Azithromycin/ (4154)
- 8 azithromycin.ti,ab,rn. (6998)
- 9 Roxithromycin/ (768)
- 10 roxithromycin.ti,ab,rn. (1380)
- 11 Troleandomycin/ (549)
- 12 troleandomycin.ti,ab,rn. (875)
- 13 telithromycin.ti,ab,rn. (913)
- 14 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (113727)
- 15 Dose-Response Relationship, Drug/ (364937)
- 16 Drug Administration Schedule/ (91471)
- 17 (low dose or low-dose).ti,ab. (81349)
- 18 (low dosage or low-dosage).ti,ab. (2925)
- 19 (lower adj2 (dose or dosage)).ti,ab. (13525)
- 20 (lowest adj2 (dose or dosage)).ti,ab. (5421)
- 21 (reduc\$ adj2 (dose or dosage)).ti,ab. (30405)
- 22 (less\$ adj2 (dose or dosage)).ti,ab. (2530)
- 23 drug level\$.ti,ab. (6127)
- 24 (drug dose or drug-dose or drug dosage or drug-dosage).ti,ab. (4822)
- 25 (long term or long-term or prophylaxis or prophylactic).ti,ab. (753918)
- 26 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 (1266223)
- 27 Pulmonary Disease, Chronic Obstructive/ (28625)
- 28 (COPD or chronic obstructive pulmonary disease).ti,ab. (45783)
- 29 Bronchiectasis/ (7288)
- 30 bronchiectasis.ti,ab. (7479)
- 31 exp Asthma/ (115259)
- 32 asthma.ti,ab. (123792)

- 33 Bronchiolitis Obliterans/ (2481)
- 34 obliterative bronchiolitis.ti,ab. (857)
- 35 bronchiolitis obliterans.ti,ab. (3151)
- 36 diffuse panbronchiolitis.ti,ab. (650)
- 37 ((organising or organizing) adj pneumonia).ti,ab. (1811)
- 38 Cryptogenic Organizing Pneumonia/ (940)
- 39 bronchiolitis obliterans organi?ing pneumonia.ti,ab. (702)
- 40 cryptogenic organi?ing pneumonia.ti,ab. (341)
- 41 chronic cough.ti,ab. (3293)
- 42 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 (210544)
- 43 14 and 26 and 42 (547)
- 44 *Macrolides/ (5643)
- 45 *Pulmonary Disease, Chronic Obstructive/ (24018)
- 46 44 and 45 (33)
- 47 43 or 46 (563)
- 48 (letter or editorial or comment).pt. (1524323)
- 49 47 not 48 (543)
- 50 animals/ not (humans/ and animals/) (4267744)
- 51 49 not 50 (517)
- 52 limit 51 to yr="1996 -Current" (446)
- 53 limit 52 to english language (380)

EMBASE

Database: Embase <1974 to 2016 Week 33>

- 1 exp Macrolides/ (145516)
- 2 (macrolides or macrolide or neomacrolides or neomacrolide).ti,ab,rn. (17279)

- 3 exp Erythromycin/ (67206)
- 4 erythromycin.ti,ab,rn. (71390)
- 5 Clarithromycin/ (30739)
- 6 Clarithromycin.ti,ab,rn. (31484)
- 7 Azithromycin/ (26420)
- 8 azithromycin.ti,ab,rn. (26995)
- 9 Roxithromycin/ (4959)
- 10 roxithromycin.ti,ab,rn. (5080)
- 11 Troleandomycin/ (2059)
- 12 troleandomycin.ti,ab,rn. (2033)
- 13 telithromycin.ti,ab,rn. (2739)
- 14 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 (151931)
- 15 Dose Response/ (351739)
- 16 Drug Administration/ (54015)
- 17 (low dose or low-dose).ti,ab. (108560)
- 18 (low dosage or low-dosage).ti,ab. (3841)
- 19 (lower adj2 (dose or dosage)).ti,ab. (18502)
- 20 (lowest adj2 (dose or dosage)).ti,ab. (6778)
- 21 (reduc\$ adj2 (dose or dosage)).ti,ab. (46342)
- 22 (less\$ adj2 (dose or dosage)).ti,ab. (3082)
- 23 drug level\$.ti,ab. (8262)
- 24 (drug dose or drug-dose or drug dosage or drug-dosage).ti,ab. (6595)
- 25 (long term or long-term or prophylaxis or prophylactic).ti,ab. (991248)
- 26 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 (1519886)
- 27 Pulmonary Disease, Chronic Obstructive/ (22278)

- 28 (COPD or chronic obstructive pulmonary disease).ti,ab. (75215)
- 29 Bronchiectasis/ (16022)
- 30 bronchiectasis.ti,ab. (11122)
- 31 exp Asthma/ (221552)
- 32 asthma.ti,ab. (174290)
- 33 Bronchiolitis Obliterans/ (4285)
- 34 obliterative bronchiolitis.ti,ab. (1121)
- 35 bronchiolitis obliterans.ti,ab. (4631)
- 36 diffuse panbronchiolitis.ti,ab. (820)
- 37 ((organising or organizing) adj pneumonia).ti,ab. (2654)
- 38 Cryptogenic Organizing Pneumonia/ (389)
- 39 bronchiolitis obliterans organi?ing pneumonia.ti,ab. (861)
- 40 cryptogenic organi?ing pneumonia.ti,ab. (580)
- 41 chronic cough.ti,ab. (4855)
- 42 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 (341763)
- 43 14 and 26 and 42 (1142)
- 44 *Macrolide/ (7828)
- 45 *Chronic Obstructive Lung Disease/ (49210)
- 46 44 and 45 (63)
- 47 43 or 46 (1183)
- 48 (letter or editorial).pt. (1470333)
- 49 47 not 48 (1160)
- 50 animal/ not (animal/ and humans/) (1453727)
- 51 49 not 50 (1158)
- 52 limit 51 to english language (982)
- 53 limit 52 to yr="1996 -Current" (894)

PubMed

<http://www.ncbi.nlm.nih.gov/pubmed>

search date = 17th August 2016

Total Results

Database	Results	After deduplication	Custom 4 field
Cochrane Database of Systematic Reviews	7	4	CDSR
Database of Abstracts of Reviews of Effects	8	3	DARE
Health Technology Assessment Database	0	0	N/A
MEDLINE and MEDLINE In-Process	380	366	MEDLINE
PubMed	465	91	PUBMED
EMBASE	894	613	EMBASE
Cochrane Central Register of Controlled Trials	160	75	CENTRAL
Total		1152	

All results saved to compressed Endnote library 'BTS macrolidies 16082016.zip

Results for update searches 4th December 2017

Database	Results	Custom 4 field
Cochrane Database of Systematic Reviews	7	CDSR
Database of Abstracts of Reviews of Effects	8	DARE
Health Technology Assessment Database	0	N/A
MEDLINE and MEDLINE In-Process	414	MEDLINE
PubMed	491	PUBMED
EMBASE	1017	EMBASE
Cochrane Central Register of Controlled Trials	232	CENTRAL

All search results were loaded into bibliographic software and deduplicated leaving a total of 1306 records.

This set of records then underwent a second round of deduplication against the original EndNote library of 1152 records

A new EndNote library was created containing 138 unique records – BTA Macrolides update
ADDITIONAL RECORDS 04122017.enlx