

Section 3.4 Uncomplicated cystitis

Database: OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present, Embase <1974 to 2019 February 28>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to March 1, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <January 2019>

Search Strategy:

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- 1 exp Cystitis/ (31913)
 - 2 Cystitis.tw,kw. (27168)
 - 3 (((bladder or lower urinary tract or uncomPLICATE urinary tract or LUT) adj3 (infect* or inflammation)) or LUTI).tw,kw. (7121)
 - 4 or/1-3 (44904)
 - 5 recurrent infection/ or exp Recurrence/ or exp recurrent disease/ (366816)
 - 6 (refractory or refractories or recurre* or relapse* or recrudescen* or unmanageable or reoccur* or redelop* or reappear*).tw,kw. (1918517)
 - 7 (re-infect* or failure* or failed).tw,kw. (2222024)
 - 8 ((infect* or treat* or therap* or manage* or intervention*) adj3 (after or following) adj3 (fail* or first line or withdraw* or withdr* or cessation or stop* or discontin* or de-escalation)).tw,kw. (99107)
 - 9 (retreat* or re-treat* or salvage or rescue* or recapture* or second line or third line).tw,kw. (415475)
 - 10 exp Salvage Therapy/ (42574)
 - 11 exp Retreatment/ (19636)
 - 12 or/5-11 (4406180)
 - 13 4 and 12 (10494)
 - 14 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human* or men or women or patients or subjects).tw.) (10364353)
 - 15 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or kid or kids or adolescen* or preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4069592)
 - 16 case report/ or case reports/ or case report.ti. (4336053)
 - 17 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4301125)
 - 18 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3537662)

- 19 or/14-18 (24047049)
- 20 13 not 19 (6587)
- 21 limit 20 to english (5490)
- 22 (randomized controlled trial or controlled clinical trial).pt. (1112249)
- 23 random*.mp. (3634874)
- 24 (trial or groups or placebo).tw. (6364929)
- 25 randomized controlled trial/ (1011603)
- 26 double-blind*.mp. or blind*.tw. (1055862)
- 27 clinical trial:.mp. or clinical trial.pt. (3100409)
- 28 comparative study/ or controlled study/ or major clinical study/ (10579406)
- 29 (controlled or compared).tw. (9263096)
- 30 (Systematic review or meta-analysis).tw,kw. (475458)
- 31 Meta analysis/ or "systematic review"/ (437280)
- 32 (Medline or Pubmed or Embase or Cochrane or literature search or literature review).ab.
(542989)
- 33 or/22-32 (21477704)
- 34 21 and 33 (3614)
- 35 remove duplicates from 34 (2750)
- 36 limit 35 to yr="2014 -Current" (723)

Section 3.6 Uncomplicated pyelonephritis

Database: OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present, Embase <1974 to 2019 February 20>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to February 13, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <January 2019>

Search Strategy:

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- 1 exp Pyelonephritis/ (34332)
 - 2 exp *pyelitis/ or exp *pyelocystitis/ (19097)
 - 3 (pyelonephritis or pyelonephritides or ((renal or kidney) adj2 infect*)).tw,kw. (40762)
 - 4 or/1-3 (55206)
 - 5 randomized controlled trial.pt. (937945)
 - 6 controlled clinical trial.pt. (183576)
 - 7 random*.mp. (3641830)
 - 8 placebo.ab. (662521)
 - 9 trial.ab. (1391531)
 - 10 groups.ab. (4796500)
 - 11 placebo:.mp. (878523)
 - 12 double-blind*.mp. or blind*.tw. (1057462)

- 13 clinical trial:.mp. (2895002)
- 14 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab. (778448)
- 15 or/5-14 (9886533)
- 16 4 and 15 (9571)
- 17 limit 16 to yr="2015 -Current" (2533)
- 18 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human* or men or women or patients or subjects).tw.) (10369549)
- 19 case report/ or case reports/ or case report.ti. (4326536)
- 20 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4327689)
- 21 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3532910)
- 22 or/18-21 (21376330)
- 23 17 not 22 (1670)
- 24 remove duplicates from 23 (1157)
- 25 limit 24 to english (1067)

Section 3.7 Complicated UTI

Database: OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present, Embase <1974 to 2019 April 02>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to March 27, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <March 2019>

Search Strategy:

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- 1 ((complicated or complication* or Febrile or fever* or temperature) adj10 (urinary tract infect* or urinary infect* or pyelonephritis or UTI or UUTI)).tw. (18952)
 - 2 ((systemic symptom* or anatomical abnormalit* or functional abnormalit* or delirium) adj5 (urinary tract infect* or urinary infect* or pyelonephritis or UTI or UUTI)).tw. (268)
 - 3 ((stone or stones or lithiasis or urolithiasis or nephrolithiasis or ureterolithiasis or calculus or calculi or calculosis or calculuses) adj5 (urinary tract infect* or urinary infect* or pyelonephritis or UTI)).tw. (3330)
 - 4 ((obstruct* or obstacle or blok*) adj5 (urinary tract infect* or urinary infect* or pyelonephritis or UTI)).tw. (2134)
 - 5 or/1-4 (23397)
 - 6 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine

- or monkey or monkeys or trout or marmoset\$1 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human* or men or women or patients or subjects).tw.) (10402391)
- 7 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or kid or kids or adolescen* or preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4103926)
 - 8 case report/ or case reports/ or case report.ti. (4357398)
 - 9 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4329542)
 - 10 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3619145)
 - 11 or/6-10 (24224679)
 - 12 5 not 11 (13479)
 - 13 limit 12 to english (9647)
 - 14 (randomized controlled trial or controlled clinical trial).pt. (1121453)
 - 15 random*.mp. (3802447)
 - 16 (trial or groups or placebo).tw. (6576914)
 - 17 randomized controlled trial/ (1020020)
 - 18 double-blind*.mp. or blind*.tw. (1109005)
 - 19 clinical trial:.mp. or clinical trial.pt. (3200984)
 - 20 comparative study/ or controlled study/ or major clinical study/ (10679446)
 - 21 (controlled or compared).tw. (9467718)
 - 22 (Systematic review or meta-analysis).tw,kw. (496973)
 - 23 Meta analysis/ or "systematic review"/ (444119)
 - 24 (Medline or Pubmed or Embase or Cochrane or literature search or literature review).ab. (562818)
 - 25 or/14-24 (21812200)
 - 26 13 and 25 (6041)
 - 27 limit 26 to yr="2014 -Current" (2158)
 - 28 remove duplicates from 27 (1408)

Section 3.10 Urethritis

Database: OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present, Embase <1974 to 2019 February 25>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to February 21, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <January 2019>

Search Strategy:

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- 1 exp Urethritis/ (10920)
 - 2 Urethritis.tw,kw. (9928)
 - 3 or/1-2 (14158)

4 limit 3 to yr="2014 -Current" (1478)
5 (Systematic review or meta-analysis).tw. (464120)
6 Meta analysis/ or "systematic review"/ (436094)
7 (Medline or Pubmed or Embase or Cochrane or literature search or literature review).tw.
(601312)
8 random:.mp. or randomized controlled trial.pt. (3735179)
9 clinical trial:.mp. or controlled clinical trial.pt. (2954236)
10 double-blind:.mp. or placebo:.tw. or blind:.tw. (1327244)
11 (prospective* or retrospective*).tw. (3287823)
12 exp cohort analysis/ or exp Cohort Studies/ (2403790)
13 (groups or trial* or controlled).tw. (7798485)
14 (cohort or cohorts).tw. (1368872)
15 (followed or follow up).tw. or exp follow up/ or exp Follow-Up Studies/ (4963309)
16 exp longitudinal study/ or exp Longitudinal Studies/ or longitudinal.tw. (722739)
17 comparative study/ or controlled study/ or major clinical study/ (10561595)
18 ((evaluat* or multicenter or epidemiolog*) adj2 (studies or study)).tw. (802227)
19 (compared or comparative or comparison).tw. (9896044)
20 or/5-19 (26010205)
21 4 and 20 (904)
22 (Urethral swab or First void urine or Point-of-care or culture or Susceptibility or Polymerase
Chain Reaction or PCR or Nucleic-acid amplification).tw,kw. (3056841)
23 diagnostic accuracy.tw. (96373)
24 (sensitiv* or specific*).tw. (8453302)
25 exp diagnostic test accuracy study/ or exp diagnostic accuracy/ (294900)
26 (accuracy or performance or value*).tw. (6210465)
27 sensitivity/ or specificity/ (344412)
28 (AUC or AUCs or ROC or HSROC or HROC).tw. (254498)
29 exp "Predictive Value of Tests"/ or exp predictive value/ (337435)
30 False Negative Reactions/ or False Positive Reactions/ (70593)
31 (likelihood ratio* or positive test likelihood or negative test likelihood or post test probability or
posttest probability or post test likelihood or posttest likelihood or pre test likelihood or pretest
likelihood).tw. (35201)
32 or/22-31 (15619064)
33 4 and 32 (687)
34 21 or 33 (1112)
35 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/
or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or
sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine
or monkey or monkeys or trout or marmoset\$1 or basic research or cell lines or in vitro or animal
model or canine).tw.) not (humans/ or human/ or human experiment/ or (human* or men or
women or patients or subjects).tw.) (10360345)
36 case report/ or case reports/ or case report.ti. (4314927)
37 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment
or news).pt. (4298701)

- 38 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3531007)
- 39 or/35-38 (21330217)
- 40 34 not 39 (754)
- 41 limit 40 to english (704)
- 42 remove duplicates from 41 (503)
