

Guideline topic: Management of suspected bacterial lower urinary tract infection in adult women

General comments

Update of SIGN 88 **Management of suspected bacterial urinary tract infection in adults**

Search results (whole guideline topic)

Patient search

The patient search was conducted using the stem search strategy outlined below in conjunction with the patient search filter.

Databases searched: Medline, Embase Psychinfo, CINAHL, Psych and BS Coll 2008-2018, English only	Date searched: 5/6/18
Total Hits: 1566	Sifted results: 132

Economics Search

The economics search was conducted using the stem search strategy outlines below in conjunction with the SIGN economics filter, English only.

Databases searched :	Date searched:
Medline	4/9/18
Embase	4/9/18
NEED (not updated since 2014)	4/9/18
Total Hits:	Sifted results:
Medline (758)	4
Embase (181)	0
NEED (6)	2

Systematic review search

The systematic review search was conducted using the stem search strategy outlined below in conjunction with the SIGN systematic review filter.

Databases searched:	Date searched:
Cochrane	29/8/18
HTA via CRD	29/8/18

DARE via CRD	29/8/18
Medline and Embase	29/8/18
Dates covered: 2008-2018	
Total Hits:	Sifted results:
Cochrane (487)	7
HTA (via CRD) (2)	2
DARE (via CRD to 2014) (17)	8
Medline (816)	129
Embase (Medline journals excl) (190)	7
<p>RCT Search</p> <p>The systematic review search was conducted using the stem search strategy outlined below in conjunction with the Cochrane HSSS_SP filter or the SIGN Embase RCT filter. English Only.</p>	
Databases searched:	Date searched:
Medline	9/10/18
Embase	9/10/18
CENTRAL	10/10/18
Dates covered: 2003-2018	
Total Hits:	Sifted results:
Medline (2464)	
Embase (Medline journals excluded) (707)	
CENTRAL (5894)	Total 121
<p>Diagnostics Search</p> <p>The diagnostics search was conducted using the stem search outlined below in conjunction with the SIGN Diagnostics filter. English Only.</p>	
Databases searched	Date searched:
Medline	30/10/18
Embase	30/10/18
Dates covered: 2003-2018	
Total Hits:	Sifted results:
Medline (2416)	
Embase (Medline journals excluded) (626)	Total 136

Stem search strategies (Medline)

Patient stem search strategy

- 1 Urinary Tract Infections/ (36157)
- 2 Bacteriuria/ (7399)
- 3 Pyelonephritis/ (13778)
- 4 cystitis/ or cystitis, interstitial/ (8999)
- 5 urinary tract infection\$.tw. (35472)
- 6 uti.tw. (7897)
- 7 dysuria.tw. (3812)
- 8 cystitis.tw. (10309)
- 9 pyelonephriti\$.tw. (12245)
- 10 perinephric abscess.tw. (300)
- 11 or/1-10 (84723)
- 12 exp urinary tract/ (415049)
- 13 exp bacterial infections/ (836427)
- 14 12 and 13 (9309)
- 15 11 or 14 (92147)

Patient stem for SR search.

- 1 Urinary Tract Infections/ (36434)
- 2 Bacteriuria/ (7419)
- 3 cystitis/ or cystitis, interstitial/ (9053)
- 4 urinary tract infection\$.tw. (35933)
- 5 uti.tw. (8061)
- 6 dysuria.tw. (3873)
- 7 cystitis.tw. (10418)
- 8 exp urinary tract/ (417184)
- 9 exp bacterial infections/ (840896)
- 10 8 and 9 (9343)
- 11 or/1-7 (71943)
- 12 8 and 9 (9343)
- 13 11 or 12 (79937)

Patient stem for RCT search

- 1 Urinary Tract Infections/ (36570)
- 2 Bacteriuria/ (7435)
- 3 urinary tract infection\$.tw. (36144)
- 4 uti.tw. (8123)

- 5 dysuria.tw. (3895)
- 6 cystitis.tw. (10445)
- 7 Cystitis/ (7253)
- 8 or/1-7 (72033)
- 9 exp urinary tract/ (417967)
- 10 exp bacterial infections/ (843367)
- 11 9 and 10 (9356)
- 12 8 or 11 (80034)

Search results (specific key questions)

KQ	Date of search	Databases	Study type	Date range	Initial recall	Sifted results
2a	01/02/19	Medline and Embase	NoF	All	3499	100
4a	01/02/19	Medline and Embase	NoF	All	3499	41

Search strategies used for specific key questions

The following are the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesauri used in non-Medline databases. Search filters were added to identify studies of a particular type (systematic review, RCT, economics etc.) Listings of the search filters used by SIGN can be found on the SIGN Web site.

KQ2a and 4a

- 1 self care/ or self medication/ (35552)
- 2 (self-care or "self care").tw. (15437)
- 3 hydrat\$.tw. (55989)
- 4 (pain adj (relief or killer\$ or medication)).tw. (31950)
- 5 ibuprofen.tw. (12295)
- 6 aspirin.tw. (45347)
- 7 paracetamol.tw. (10570)
- 8 (heat\$ adj (pad or therapy)).tw. (413)
- 9 "hot water bottle".tw. (43)
- 10 (liquid\$ or water or fluid\$).tw. (1406245)
- 11 "over the counter".mp. or OTC.tw. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (10636)
- 12 Phenazopyridine/ (235)

- 13 (Phenazopyridine or Azo-standard).tw. (200)
- 14 "avoid sex".tw. (23)
- 15 or/1-14 (1580538)
- 16 Urinary Tract Infections/ (36950)
- 17 Bacteriuria/ (7466)
- 18 urinary tract infection\$.tw. (36785)
- 19 uti.tw. (8326)
- 20 dysuria.tw. (3962)
- 21 cystitis.tw. (10549)
- 22 Cystitis/ (7293)
- 23 or/16-22 (72924)
- 24 exp urinary tract/ (420935)
- 25 exp bacterial infections/ (851548)
- 26 24 and 25 (9407)
- 27 23 or 26 (80969)
- 28 15 and 27 (3020)