

## Literature Search

### ACR Appropriateness Criteria® Urinary Tract Infection-Child

Literature Search Performed on: 9/01/2016

Beginning Date: January 2011

End Date: December 2015

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

Search Strategy:

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- 1 Urinary Tract Infections/ (34642)
  - 2 Vesico-Ureteral Reflux/ (7749)
  - 3 1 and 2 (2063)
  - 4 limit 3 to (abstracts and english language and humans and yr="2011 - 2015") (208)
  - 5 Urinalysis/ (6356)
  - 6 2 and 5 (29)
  - 7 limit 1 to "newborn infant (birth to 1 month)" (2423)
  - 8 limit 7 to (abstracts and english language and humans and yr="2011 - 2015") (253)
  - 9 4 or 6 or 8 (444)
  - 10 remove duplicates from 9 (424)
  - 11 limit 10 to case reports (27)
  - 12 10 not 11 (397)

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Literature Search Performed on: 5/19/2015

Beginning Date: January 2011

End Date: April 2015

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

Search Strategy:

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- 1 Pyelonephritis/ (13348)
  - 2 urinary tract infections/ or bacteriuria/ or pyuria/ (37823)
  - 3 exp diagnostic imaging/ (1798880)
  - 4 Pyelonephritis/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (1281)
  - 5 Urinary Tract Infections/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (886)
  - 6 Bacteriuria/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (41)
  - 7 Pyuria/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (12)
  - 8 (1 or 2) and 3 (4485)
  - 9 4 or 5 or 6 or 7 or 8 (5340)
  - 10 Vesico-Ureteral Reflux/ (7459)
  - 11 9 not 10 (4422)
  - 12 limit 11 to "all child (0 to 18 years)" (1702)
  - 13 limit 11 to (guideline or meta analysis or practice guideline) (7)
  - 14 12 or 13 (1704)
  - 15 limit 14 to (abstracts and english language and humans and yr="2011 -Current") (77)
  - 16 limit 15 to case reports (16)
  - 17 15 not 16 (61)
  - 18 remove duplicates from 17 (59)
  - 19 Vesico-Ureteral Reflux/ (7459)
  - 20 exp diagnostic imaging/ (1798880)
  - 21 19 and 20 (1795)
  - 22 Vesico-Ureteral Reflux/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (1524)
  - 23 21 or 22 (2588)

- 24 limit 23 to "all child (0 to 18 years)" (2044)
- 25 limit 23 to (guideline or meta analysis or practice guideline) (16)
- 26 24 or 25 (2046)
- 27 limit 26 to (abstracts and english language and humans and yr="2011 -Current") (140)
- 28 limit 27 to case reports (16)
- 29 27 not 28 (124)
- 30 remove duplicates from 29 (123)

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**Notes:**

exp = explode (retrieves results using the selected term and all of its more specific terms)

\* = focus (limits search to those documents in which the subject heading is considered the major point of the article)

.mp = multi-purpose (retrieves results that have this keyword in several fields)

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**Literature Search Summary**

Of the 91 citations in the original bibliography, 70 were retained in the final document. Articles were removed from the original bibliography if they were more than 10 years old and did not contribute to the evidence or they were no longer cited in the revised narrative text.

A new literature search was conducted in May 2015 and updated in September 2016 to identify additional evidence published since the *ACR Appropriateness Criteria® Urinary Tract Infection – Child* topic was finalized. Using the search strategy described above, 520 articles were found. Seventeen articles were added to the bibliography. The remaining articles were not used due to either poor study design, the articles were not relevant or generalizable to the topic, the results were unclear, misinterpreted, or biased, or the articles were already cited in the original bibliography.

The author added 5 citations from bibliographies, websites, or books that were not found in the new literature search.