

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Imaging for Transcatheter Aortic Valve Replacement**

Literature Search Performed on: June 21, 2017

Beginning Date: January 2015

End Date: May 2017

Database: Ovid MEDLINE(R) 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 exp Diagnostic Imaging/ (2411806)
  - 2 transcatheter aortic valve replacement.mp. (3271)
  - 3 valve in valve.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (637)
  - 4 \*Heart Valve Prosthesis Implantation/ (13728)
  - 5 \*Aortic Valve/ra, ri, su, us [Radiography, Radionuclide Imaging, Surgery, Ultrasonography] (7466)
  - 6 \*Aortic Valve Stenosis/di, ra, ri, su, us [Diagnosis, Radiography, Radionuclide Imaging, Surgery, Ultrasonography] (7355)
  - 7 \*Bioprosthesis/ (7668)
  - 8 2 or 3 or 4 or 7 (22128)
  - 9 8 and (5 or 6) (6667)
  - 10 1 and 9 (2213)
  - 11 limit 10 to "all child (0 to 18 years)" (106)
  - 12 10 not 11 (2107)
  - 13 limit 12 to (abstracts and english language and humans and yr="2015 -Current") (394)
  - 14 limit 13 to case reports (92)
  - 15 13 not 14 (302)
  - 16 remove duplicates from 15 (267)

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Literature Search Performed on: March 30, 2015

Beginning Date: January 2015

End Date: March 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 exp Diagnostic Imaging/ (1773004)
  - 2 transcatheter aortic valve replacement.mp. (835)
  - 3 valve in valve.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (306)
  - 4 \*Heart Valve Prosthesis Implantation/ (10602)
  - 5 \*Aortic Valve/ra, ri, su, us [Radiography, Radionuclide Imaging, Surgery, Ultrasonography] (6998)
  - 6 \*Aortic Valve Stenosis/di, ra, ri, su, us [Diagnosis, Radiography, Radionuclide Imaging, Surgery, Ultrasonography] (6429)
  - 7 \*Bioprosthesis/ (6618)
  - 8 2 or 3 or 4 or 7 (16366)
  - 9 8 and (5 or 6) (4829)
  - 10 1 and 9 (1486)
  - 11 limit 10 to "all child (0 to 18 years)" (71)
  - 12 10 not 11 (1415)

- 13 limit 12 to (abstracts and english language and humans and yr="2012 -Current") (426)
  - 14 limit 13 to case reports (119)
  - 15 13 not 14 (307)
  - 16 remove duplicates from 15 (300)
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### **Literature Search Summary**

Of the 75 citations in the original bibliography, 26 were retained in the final document.

A literature search was conducted in March 2015 and June 2017 to identify additional evidence published since the *ACR Appropriateness Criteria® Imaging for Transcatheter Aortic Valve Replacement* topic was finalized. Using the search strategies described above, 578 articles were found. Four 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, or the results were unclear or biased.

The author added 16 citations from bibliographies, websites, or books that were not found in the literature searches.

Two citations are supporting documents that were added by staff.