References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.

**Search Strategy**

1. exp Diagnostic Imaging/ (2697492)
2. Transcatheter Aortic Valve Replacement/ (6662)
3. Aortic Valve/ (33418)
4. Heart Valve Prosthesis Implantation/ (23397)
5. Bioprosthesis/ (11969)
6. Aortic Valve Stenosis/ (26693)
7. (transcatheter aortic valve replacement or transcatheter aortic valve or "valve in valve").mp. (12795)
8. 2 and 3 and (4 or 5 or 6) (2715)
9. 7 and 8 (2715)
10. 2 and 3 and 6 and (Heart Valve Diseases/ or Heart Valve Prosthesis/) (1325)
11. 1 and (9 or 10) (846)
12. limit 11 to (abstracts and english language and humans and yr="2016 -Current") (617)
13. limit 12 to "all child (0 to 18 years)" (3)
14. 12 not 13 (614)
15. limit 14 to case reports (98)
16. 14 not 15 (516)
17. 16 or (pre-procedural imaging and transcatheter aortic valve replacement).mp. (526)
18. remove duplicates from 17 (525)

**Summary**

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