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. Aortic Aneurysm, Abdominal/ (20994)
2. Asymptomatic Diseases/ (7175)
3. Aortic Diseases/ (17818)
4. Aorta, Abdominal/ (21863)
5. Smoking/ (145798)
6. Genetic Predisposition to Disease/ (151097)
7. Monitoring, Physiologic/ (57576)
8. family history.mp. (65052)
9. surveillance.mp. (261529)
10. asymptomatic.mp. (177015)
11. (screening or AAA screening).mp. (686895)
12. abdominal aortic aneurysm.mp. (16038)
13. exp Diagnostic Imaging/ (2814390)
14. 1 and (2 or 3 or 4 or 5 or 6 or 7) (3739)
15. 14 and (8 or 9 or 10 or 11 or 12) (2272)
16. 13 and 15 (976)
17. limit 16 to (abstracts and english language and humans and yr="2012 -Current") (415)
18. limit 17 to "all child (0 to 18 years)" (3)
19. 17 not 18 (412)
20. limit 19 to case reports (62)
21. 19 not 20 (350)
22. remove duplicates from 21 (350)

**Summary**

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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.