

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Nontraumatic Aortic Disease**

Literature Search Performed on: 10/22/2019

Beginning Date: January 2014

End Date: September 2019

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to October 03, 2019>

**Search Strategy**

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- 1 exp Diagnostic Imaging/ (2562838)
- 2 Aortic Diseases/ (16618)
- 3 Atherosclerosis/ (34003)
- 4 Peripheral Arterial Disease/ or Peripheral Vascular Diseases/ (18951)
- 5 Plaque, Atherosclerotic/ (8198)
- 6 Aortic Valve Insufficiency/ (14293)
- 7 Aorta, Abdominal/ or Aorta/ or Aorta, Thoracic/ (111531)
- 8 Aortic Valve/ (30492)
- 9 2 or 3 or 4 or 5 or 6 (87341)
- 10 9 and (7 or 8) (19135)
- 11 1 and 10 (7075)
- 12 atherosclerosis.mp. (121641)
- 13 atherosclerotic disease.mp. (6439)
- 14 aortic disease.mp. (1962)
- 15 occlusive disease.mp. (12240)
- 16 12 or 13 or 14 or 15 (138299)
- 17 11 and 16 (1509)
- 18 limit 17 to (abstracts and english language and humans and yr="2014 -Current") (272)
- 19 ("21508002" or "17342043" or "30322475" or "12486831" or "3586178" or "10749263" or "21862782" or "28401281" or "25300525" or "20823280").mp. (10)
- 20 18 or 19 (281)
- 21 limit 20 to "all child (0 to 18 years)" (22)
- 22 20 not 21 (259)
- 23 limit 22 to case reports (26)
- 24 22 not 23 (233)

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Literature Search Performed on: 09/19/2019

Beginning Date: January 2009

End Date: August 2019

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to September 17, 2019>

**Search Strategy**

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- 1 exp Diagnostic Imaging/ (2558819)
- 2 Ultrasonography/ (175170)
- 3 Angiography/ or Computed Tomography Angiography/ or Magnetic Resonance Angiography/ (88418)
- 4 1 and (2 or 3) (260240)
- 5 Peripheral Arterial Disease/ or Peripheral Vascular Diseases/ (18910)
- 6 Aortic Diseases/ (16588)
- 7 Atherosclerosis/ (33844)
- 8 4 and (5 or 6 or 7) (4931)
- 9 Atherosclerotic disease.mp. (6429)
- 10 Atherosclerotic occlusive disease.mp. (315)

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- 11 Atherosclerotic aortic disease.mp. (26)
- 12 8 and (9 or 10 or 11) (170)
- 13 limit 12 to (abstracts and english language and yr="2009 -Current") (86)
- 14 limit 13 to case reports (10)
- 15 13 not 14 (76)
- 16 remove duplicates from 15 (76)

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Literature Search Performed on: 12/13/2018

Beginning Date: January 2017

End Date: November 2018

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to December 06, 2018>

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**Search Strategy**

- 1 aneurysm/ or aneurysm, dissecting/ or aneurysm, infected/ or aneurysm, ruptured/ or aortic aneurysm/ or aortic aneurysm, abdominal/ or aortic aneurysm, thoracic/ or aortic rupture/ or loeys-dietz syndrome/ or endoleak/ (80687)
- 2 aortic coarctation/ or marfan syndrome/ or ehlers-danlos.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (18164)
- 3 Inherited aortopathies.tw. (7)
- 4 2 or 3 (18167)
- 5 aortitis/ or leriche syndrome/ (2037)
- 6 Mycotic aneurysm.tw. (1594)
- 7 Giant Cell Arteritis/ (6065)
- 8 behcet syndrome/ or mucocutaneous lymph node syndrome/ (14132)
- 9 takayasu arteritis/ or leriche syndrome/ (4244)
- 10 Aortic Diseases/ and Arteriosclerosis/ (2815)
- 11 Aortic Diseases/ and Aortic intramural hematoma.mp. (97)
- 12 Aortic transection.mp. (225)
- 13 Mural thrombus.tw. (899)
- 14 Intramural thrombus.tw. (57)
- 15 exp \*diagnostic imaging/ (806311)
- 16 1 or 2 or 3 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 (123022)
- 17 15 and 16 (10982)
- 18 limit 17 to (abstracts and english language and humans and yr="2017 -Current") (442)
- 19 limit 18 to "all child (0 to 18 years)" (56)
- 20 18 not 19 (386)
- 21 limit 20 to case reports (88)
- 22 20 not 21 (298)
- 23 remove duplicates from 22 (298)

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Literature Search Performed on: 07/24/2017

Beginning Date: January 2012

End Date: June 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>

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**Search Strategy**

**Literature Search**  
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**Nontraumatic Aortic Disease**

- 1 aneurysm/ or aneurysm, dissecting/ or aneurysm, infected/ or aneurysm, ruptured/ or aortic aneurysm/ or aortic aneurysm, abdominal/ or aortic aneurysm, thoracic/ or aortic rupture/ or loeys-dietz syndrome/ or endoleak/ (78849)
- 2 aortic coarctation/ or marfan syndrome/ or ehlers-danlos.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] (17925)
- 3 Inherited aortopathies.tw. (7)
- 4 2 or 3 (17930)
- 5 aortitis/ or leriche syndrome/ (2039)
- 6 Mycotic aneurysm.tw. (1573)
- 7 Giant Cell Arteritis/ (6137)
- 8 behcet syndrome/ or mucocutaneous lymph node syndrome/ (14167)
- 9 takayasu arteritis/ or leriche syndrome/ (4229)
- 10 Aortic Diseases/ and Arteriosclerosis/ (2933)
- 11 Aortic Diseases/ and Aortic intramural hematoma.mp. (96)
- 12 Aortic transection.mp. (225)
- 13 Mural thrombus.tw. (879)
- 14 Intramural thrombus.tw. (53)
- 15 exp \*diagnostic imaging/ (777887)
- 16 1 or 2 or 3 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 (121123)
- 17 15 and 16 (10660)
- 18 limit 17 to (abstracts and english language and humans and yr="2012 -Current") (1392)
- 19 limit 18 to "all child (0 to 18 years)" (209)
- 20 18 not 19 (1183)
- 21 limit 20 to case reports (287)
- 22 20 not 21 (896)
- 23 remove duplicates from 22 (843)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	63	16
Literature Search(es)	1400	26
Author Added	81	57
Supporting Docs	10	10
Total		109

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.

19 of the author added references were outside the search date range.