

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Cerebrovascular Diseases-Aneurysm, Vascular Malformation, and Subarachnoid Hemorrhage**

Literature Search Performed on: 06/24/2019

Beginning Date: January 2010

End Date: May 2019

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to June 21, 2019>

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**Search Strategy**

- 1 Intracranial Aneurysm/ and Polycystic Kidney, Autosomal Dominant/ (104)
- 2 exp Diagnostic Imaging/ (2535225)
- 3 1 and 2 (47)
- 4 \*Intracranial Aneurysm/di, ep, th [Diagnosis, Epidemiology, Therapy] (5742)
- 5 3 or 4 (5765)
- 6 limit 5 to (abstracts and english language and humans and yr="2010 -Current" and "all adult (19 plus years)") (1703)
- 7 limit 6 to case reports (508)
- 8 6 not 7 (1195)

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**Search Strategy**

- 1 Aneurysm, Ruptured/ and intracranial Aneurysm/ and Cerebral Angiography/ and Tomography, X-Ray Computed/ (531)
- 2 Intracranial Aneurysm/ and Subarachnoid Hemorrhage/ and Tomography, X-Ray Computed/ (1353)
- 3 (1 or 2) and exp diagnostic imaging/ (1599)
- 4 Aneurysm, Ruptured/ and intracranial Aneurysm/ and Subarachnoid Hemorrhage/ (1952)
- 5 1 or 3 or 4 (3103)
- 6 limit 5 to (abstracts and english language and humans and yr="2010 -Current" and "all adult (19 plus years)") (719)
- 7 limit 6 to case reports (298)
- 8 6 not 7 (421)
- 9 (Autosomal dominant polycystic kidney disease and Intracranial Aneurysm).tw. (47)
- 10 (Unruptured Intracranial Aneurysms and Cost-effectiveness Analysis).tw. (10)

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11 8 or 9 or 10 (477)

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- 1 Brain Ischemia/ and subarachnoid hemorrhage/ and vasospasm, intracranial/ (302)
- 2 exp Diagnostic Imaging/ and Diagnosis, Differential/ and Cerebral Hemorrhage/di, th [Diagnosis, Therapy] (488)
- 3 seizures/ and Hydrocephalus/ (300)
- 4 Mesencephalon/ and subarachnoid hemorrhage/ (143)
- 5 \*Intracranial Arteriovenous Malformations/co, di [Complications, Diagnosis] (1893)
- 6 \*Cerebral Hemorrhage/di, et [Diagnosis, Etiology] (6032)
- 7 5 and 6 (199)
- 8 Cerebral Angiography/ and Subarachnoid Hemorrhage/ and Spinal Puncture/ and Tomography, X-Ray Computed/ (46)
- 9 1 or 2 or 3 or 4 or 7 (1420)
- 10 limit 9 to (abstracts and english language and humans and yr="2010 -Current" and "all adult (19 plus years)") (217)
- 11 Cerebral Hemorrhage/ and American Heart Association/ (13)
- 12 8 or 10 or 11 (275)
- 13 limit 12 to case reports (71)
- 14 12 not 13 (204)
- 15 Subarachnoid Hemorrhage/ and Vasospasm, Intracranial/ and Seizures/ and Hydrocephalus/ (11)
- 16 14 or 15 (214)
- 17 remove duplicates from 16 (214)

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**Search Strategy**

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- 1 Vasculitis, Central Nervous System/ (1026)
  - 2 Vasospasm, Intracranial/ (3029)
  - 3 Intracranial Arteriosclerosis/ (5923)
  - 4 exp Diagnostic Imaging/ and Magnetic Resonance Angiography/ (22043)
  - 5 (1 or 2 or 3) and 4 (506)
  - 6 Cerebral Hemorrhage/ and cerebral Infarction/ and stroke/ and vasculitis, central Nervous system/ (1)
  - 7 Vasculitis, Central Nervous System/ and Constriction, Pathologic/ (13)
  - 8 5 or 6 or 7 (511)
  - 9 limit 8 to (abstracts and english language and humans and yr="2010 -Current" and "all adult (19 plus years)") (226)
  - 10 limit 9 to case reports (71)
  - 11 9 not 10 (155)
  - 12 Cerebral Angiography/ and Vasculitis, Central Nervous System/ and Image Processing, Computer-Assisted/ (7)
  - 13 11 or 12 (161)
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**Search Strategy**

- 1 Magnetic Resonance Imaging/ and Intracranial Arteriovenous Malformations/ and Cerebral Angiography/ (545)
- 2 Stroke/ and Intracranial Arteriovenous Malformations/ (96)
- 3 Intracranial Arteriovenous Malformations/ and Magnetic Resonance Angiography/ and Imaging, Three-Dimensional/ (80)
- 4 1 or 2 or 3 (713)
- 5 limit 4 to (abstracts and english language and humans and yr="2010 -Current" and "all adult (19 plus years)") (123)
- 6 limit 5 to case reports (46)
- 7 5 not 6 (77)
- 8 American Heart Association/ and Intracranial Arteriovenous Malformations/ (3)
- 9 7 or 8 (80)

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**Search Strategy**

- 1 Decision Support Systems, Management/ and Intracranial Aneurysm/ (1)
- 2 Embolization, Therapeutic/ and Intracranial Aneurysm/ and Magnetic Resonance Angiography/ (313)
- 3 Embolization, Therapeutic/ and Intracranial Aneurysm/ and Cerebral Angiography/ and France/ (6)
- 4 Cerebrovascular Circulation/ and Intracranial Aneurysm/ and Cerebral Angiography/ and Angiography, Digital Subtraction/ (52)
- 5 Endovascular Procedures/ and Embolization, Therapeutic/ and Intracranial Aneurysm/ and Magnetic Resonance Angiography/ (36)
- 6 1 or 2 or 3 or 4 (366)
- 7 limit 6 to (abstracts and english language and humans and yr="2010 -Current" and "all adult (19 plus years)") (180)
- 8 5 or 7 (184)
- 9 limit 8 to case reports (59)
- 10 8 not 9 (125)

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- 1 Brain ischemia/ and Subarachnoid Hemorrhage/ and Ultrasonography, Doppler, Transcranial/ (73)
- 2 Brain ischemia/ and Vasospasm, Intracranial/ (372)
- 3 Cerebral Arteries/ and Cerebral Infarction/ and Brain/ (234)
- 4 Vasospasm, Intracranial/ and Ultrasonography, Doppler, Transcranial/ and Brain Ischemia/ (47)
- 5 1 or 2 or 3 or 4 (638)

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- 6 limit 5 to (abstracts and english language and humans and yr="2010 -Current") (199)
- 7 limit 6 to case reports (14)
- 8 6 not 7 (185)
- 9 Dermoid Cyst/ and Cerebral Ventricle Neoplasms/ (48)
- 10 8 or 9 (233)

**Summary**

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<b>Source</b>	<b>#Unique Refs</b>	<b>#Retained Refs</b>
Old bibliography	146	21
Literature Search(es)	2036	62
Author Added	20	16
Supporting Docs	4	4
Total		103

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.

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