

Online supplemental appendix 2: Search strategies

PubMed, OVID EMBASE and Cochrane libraries

1. Cerebral cavernous malformation OR Cerebral cavernous malformations OR intracranial cavernous malformations OR familial hemangioma OR cerebral cavernomas OR cavernomas OR congenital vascular malformation OR familial cerebral cavernomas OR congenital vascular malformations
2. Cavernous angioma AND (brain OR cerebral OR intracranial OR seizure OR intracerebral hemorrhage)
3. 1 OR 2

OVID MEDLINE

1. Hemangioma, Cavernous, Central Nervous System/
2. Hemangioma, Cavernous/
3. (cavernous adj5 (angioma\$ or hemangioma\$ or malformation\$)).tw.
4. cavernoma\$.tw.
5. 2 or 3 or 4
6. exp brain/ or central nervous system/ or exp cerebral arteries/
7. exp brain neoplasms/
8. (brain\$ or cerebral or intracerebral or central nervous system or intracranial or cerebellar or intraventricular or supratentorial).tw.
9. 6 or 7 or 8
10. 5 and 9
11. 1 or 10

OVID EMBASE

1. Brain Hemangioma/
2. brain ventricle cavernoma/
3. cavernous hemangioma/
4. (cavernous adj5 (angioma\$ or hemangioma\$ or malformation\$)).tw.
5. cavernoma\$.tw.
6. 3 or 4 or 5
7. central nervous system/ or exp brain/ or exp brain ventricle/ or exp brain artery/
8. exp brain tumor/
9. (brain\$ or cerebral or intracerebral or central nervous system or intracranial or cerebellar or intraventricular or supratentorial).tw.
10. 7 or 8 or 9
11. 6 and 10
12. 1 or 2 or 11