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# Brain Aneurysm

**Also called:** Berry aneurysm, Cerebral aneurysm, Intracranial aneurysm

A brain aneurysm [<https://medlineplus.gov/aneurysms.html>] is an abnormal bulge or "ballooning" in the wall of an artery in the brain. They are sometimes called berry aneurysms because they are often the size of a small berry. Most brain aneurysms produce no symptoms until they become large, begin to leak blood, or burst.


If a brain aneurysm presses on nerves in your brain, it can cause signs and symptoms. These can include:

- A droopy eyelid
- Double vision or other changes in vision
- Pain above or behind the eye
- A dilated pupil
- Numbness or weakness on one side of the face or body

Treatment depends on the size and location of the aneurysm, whether it is infected, and whether it has burst. If a brain aneurysm bursts, symptoms can include a sudden, severe headache, nausea and vomiting, stiff neck, loss of consciousness, and signs of a stroke [<https://medlineplus.gov/hemorrhagicstroke.html>]. Any of these symptoms requires immediate medical attention.

*NIH: National Heart, Lung, and Blood Institute*


## Start Here

- Brain Aneurysm [<https://www.mayoclinic.org/diseases-conditions/brain-aneurysm/symptoms-causes/syc-20361483?p=1>] (Mayo Foundation for Medical Education and Research)  
Also in Spanish [<https://www.mayoclinic.org/es/diseases-conditions/brain-aneurysm/symptoms-causes/syc-20361483?p=1>]
- Cerebral Aneurysms [<https://www.ninds.nih.gov/health-information/disorders/cerebral-aneurysms>]  (National Institute of Neurological Disorders and Stroke)
- What You Should Know about Cerebral Aneurysms [<https://www.stroke.org/en/about-stroke/types-of-stroke/hemorrhagic-strokes-bleeds/what-you-should-know-about-cerebral-aneurysms>] (American Stroke Association)

## Symptoms

- Brain Aneurysm: Warning Signs and Symptoms [<https://www.bafound.org/understanding-brain-aneurysms/warning-signs-symptoms/>] (Brain Aneurysm Foundation)

## Diagnosis and Tests

- Brain Aneurysm: Diagnosis and Screening [<https://www.bafound.org/understanding-brain-aneurysms/warning-signs-symptoms/diagnosis-and-screening/>] (Brain Aneurysm Foundation)
- Catheter Angiography [<https://www.radiologyinfo.org/en/info/angiocath>]  (American College of Radiology; Radiological Society of North America)  
Also in Spanish [<https://www.radiologyinfo.org/es/info/angiocath>]

**Cerebrospinal Fluid (CSF) Analysis** [<https://medlineplus.gov/lab-tests/cerebrospinal-fluid-csf-analysis/>]

 (National Library of Medicine)

Also in Spanish [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/analisis-del-liquido-cefalloarraquideo/>]

- **CT Angiography (CTA)** [<https://www.radiologyinfo.org/en/info/angiact>]

 (American College of Radiology; Radiological Society of North America)

Also in Spanish [<https://www.radiologyinfo.org/es/info/angiact>]

- **MR Angiography (MRA)** [<https://www.radiologyinfo.org/en/info/angiomr>]

 (American College of Radiology; Radiological Society of North America)

Also in Spanish [<https://www.radiologyinfo.org/es/info/angiomr>]

## Treatments and Therapies

- **Brain Aneurysm: Treatment Options** [<https://www.bafound.org/treatment-recovery/treatment-options/>]

(Brain Aneurysm Foundation)

- **Embolization of Brain Aneurysms and Arteriovenous Malformations/Fistulas** [<https://www.radiologyinfo.org/en/info/dc-embol>]

(American College of Radiology; Radiological Society of North America)

Also in Spanish [<https://www.radiologyinfo.org/es/info/dc-embol>]

- **Intracranial Vascular Treatments** [<https://www.radiologyinfo.org/en/info/IntracranialVasc>]

(American College of Radiology; Radiological Society of North America)

Also in Spanish [<https://www.radiologyinfo.org/es/info/IntracranialVasc>]

## Living With

- **Brain Aneurysm: Recovery** [<https://www.bafound.org/treatment-recovery/recovery/>] (Brain Aneurysm Foundation)

## Related Issues

- **Pseudoaneurysm: What Causes It?** [<https://www.mayoclinic.org/tests-procedures/cardiac-catheterization/expert-answers/pseudoaneurysm/FAQ-20058420?p=1>] (Mayo Foundation for Medical Education and Research)

Also in Spanish [<https://www.mayoclinic.org/es/tests-procedures/cardiac-catheterization/expert-answers/pseudoaneurysm/faq-20058420?p=1>]

- **Thunderclap Headaches** [<https://www.mayoclinic.org/diseases-conditions/thunderclap-headaches/symptoms-causes/syc-20378361?p=1>] (Mayo Foundation for Medical Education and Research)

Also in Spanish [<https://www.mayoclinic.org/es/diseases-conditions/thunderclap-headaches/symptoms-causes/syc-20378361?p=1>]

## Specifics

- **Subarachnoid Hemorrhage** [[https://www.merckmanuals.com/home/brain-spinal-cord-and-nerve-disorders/stroke/subarachnoid-hemorrhage?query=subarachnoid%20hemorrhage%20\(sah\)](https://www.merckmanuals.com/home/brain-spinal-cord-and-nerve-disorders/stroke/subarachnoid-hemorrhage?query=subarachnoid%20hemorrhage%20(sah))] (Merck & Co., Inc.)

Also in Spanish [<https://www.merckmanuals.com/es-us/hogar/enfermedades-cerebrales-medulares-y-nerviosas/accidente-cerebrovascular-ictus/hemorragia-subaracnoidea>]

## Images

- **Craniotomy - series** [[https://medlineplus.gov/ency/presentations/100048\\_1.htm](https://medlineplus.gov/ency/presentations/100048_1.htm)] (Medical Encyclopedia)

Also in Spanish [[https://medlineplus.gov/spanish/ency/esp\\_presentations/100048\\_1.htm](https://medlineplus.gov/spanish/ency/esp_presentations/100048_1.htm)]

## Videos and Tutorials


- **Cerebral aneurysm** [<https://medlineplus.gov/ency/anatomyvideos/000026.htm>]  (Medical Encyclopedia)

Also in Spanish [<https://medlineplus.gov/spanish/ency/anatomyvideos/000026.htm>]

## Statistics and Research

- **Brain Aneurysm: Statistics and Facts** [<https://www.bafound.org/statistics-and-facts/>] (Brain Aneurysm Foundation)

# Clinical Trials


- ClinicalTrials.gov: Intracranial Aneurysm [<https://clinicaltrials.gov/search?cond=%22Intracranial+Aneurysm%22&aggFilters=status:not%20rec>]  (National Institutes of Health)

# Journal Articles

References and abstracts from MEDLINE/PubMed (National Library of Medicine)

- Article: Constructing a nomogram for short-term prognosis in postoperative patients with aneurysmal... [<https://www.ncbi.nlm.nih.gov/pubmed/40750977>]
- Article: Inflammatory Biomarkers as Prognostic Indicators for Intracranial Aneurysm Recurrence After Stent-Assisted... [<https://www.ncbi.nlm.nih.gov/pubmed/40728112>]
- Article: Distal posterior inferior cerebellar artery dissecting aneurysms: a systematic review and... [<https://www.ncbi.nlm.nih.gov/pubmed/40715600>]
- Brain Aneurysm -- see more articles [<https://pubmed.ncbi.nlm.nih.gov/?term=%22Intracranial+Aneurysm%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+AND+%22last+2+Years%22+%5Bdat%5D+NOT+%28letter%5Bpt%5D+OR+case+reports%5Bpt%5D+OR+editorial%5Bpt%5D+OR+comment%5Bpt%5D%29+AND+free+full+text%5Bsb%5D+>]

# Find an Expert

- National Institute of Neurological Disorders and Stroke [<https://www.ninds.nih.gov/>] 

# Patient Handouts

- Aneurysm in the brain [<https://medlineplus.gov/ency/article/001414.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/001414.htm>]
- Brain aneurysm repair [<https://medlineplus.gov/ency/article/007372.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/007372.htm>]
- Brain aneurysm repair - discharge [<https://medlineplus.gov/ency/patientinstructions/000123.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/patientinstructions/000123.htm>]
- Brain surgery [<https://medlineplus.gov/ency/article/003018.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003018.htm>]
- Cerebral angiography [<https://medlineplus.gov/ency/article/003799.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003799.htm>]
- Subarachnoid hemorrhage [<https://medlineplus.gov/ency/article/000701.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000701.htm>]



Aneurysm in the brain [<https://medlineplus.gov/ency/article/001414.htm>]

Brain aneurysm repair [<https://medlineplus.gov/ency/article/007372.htm>]

Brain aneurysm repair - discharge [<https://medlineplus.gov/ency/patientinstructions/000123.htm>]

Brain surgery [<https://medlineplus.gov/ency/article/003018.htm>]

Brain surgery - discharge [<https://medlineplus.gov/ency/patientinstructions/000124.htm>]

Cerebral aneurysm [<https://medlineplus.gov/ency/anatomyvideos/000026.htm>]

Cerebral angiography [<https://medlineplus.gov/ency/article/003799.htm>]

Craniotomy - series [[https://medlineplus.gov/ency/presentations/100048\\_1.htm](https://medlineplus.gov/ency/presentations/100048_1.htm)]

Endovascular embolization [<https://medlineplus.gov/ency/article/007277.htm>]

Head MRI [<https://medlineplus.gov/ency/article/003791.htm>]

Magnetic resonance angiography [<https://medlineplus.gov/ency/article/007269.htm>]

Subarachnoid hemorrhage [<https://medlineplus.gov/ency/article/000701.htm>]

### Related Health Topics

Aneurysms [<https://medlineplus.gov/aneurysms.html>]

Hemorrhagic Stroke [<https://medlineplus.gov/hemorrhagicstroke.html>]

### National Institutes of Health

The primary NIH organization for research on *Brain Aneurysm* is the National Institute of Neurological Disorders and Stroke [<http://www.ninds.nih.gov/>]

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