



Who is brain aneurysm screening recommended for?

Brain aneurysms can run in families. Screening for brain aneurysms is recommended if you have a first-degree relative diagnosed with a brain aneurysm.

First-degree relatives consist of:

- Parents
- Siblings
- Children

Neurointerventional Surgery

Jason Carroll, MD

Josser Delgado, MD

Yasha Kayan, MD

Collin Torok, MD

Abbott Northwestern Hospital

800 East 28th St.,
Minneapolis, MN 55407

Phone: 612-863-4808

United Hospital

333 Smith Ave N

St. Paul, MN 55102

Phone:: 651-241-6550



allinahealth.org

S418017 1478640 0925 ©2025 ALLINA HEALTH SYSTEM.
TM – A TRADEMARK OF ALLINA HEALTH SYSTEM.

¹Bor A. et al. Long-term, serial screening for intracranial aneurysms with family history of aneurysmal subarachnoid hemorrhage: a cohort study. The Lancet Neurology. April 2014; Vol. 13.

ALLINA HEALTH

Family screening for brain aneurysms



Neurointerventional Surgery Program

allinahealth.org/neurointerventional



How is brain aneurysm screening performed?

- Formal screening is completed with an **magnetic resonance angiogram (MRA) of the head without contrast**, preferably on a 3 Tesla scanner.
- Baseline screening can start at age 20 or older. Screening may begin earlier if there is a family member with a brain aneurysm diagnosed at a younger age.
- Screening can stop once the patient is in their 70s.



A large study showed **10%** of individuals with a strong family history have a brain aneurysm identified on their first screening.

Even after prior negative screens, the study also showed that in each serial screening new brain aneurysms were discovered in approximately 5% of individuals.¹

One first-degree relative with a brain aneurysm

- Serial screening MRAs should be completed every **10 years** beginning at the next 10th interval birthday (i.e., 20th, 30th, etc).
- If family history changes to more than 1 first-degree relative, then screening should be increased to every **5 years**.

Two or more first-degree relatives with a brain aneurysm

- Serial screening MRAs should be completed every **5 years** beginning at the next 5th interval birthday (i.e., 25th, 30th, 35th, etc).

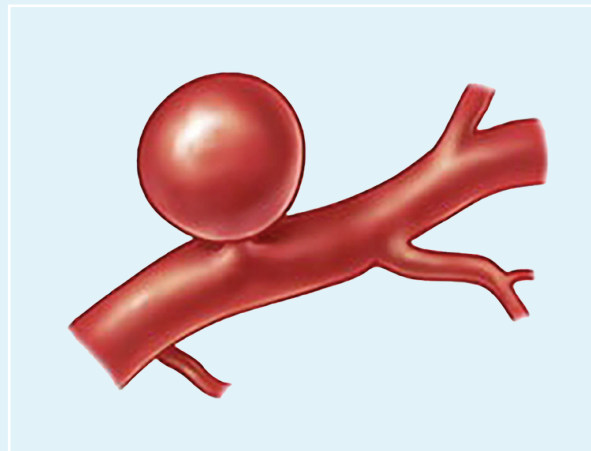
Risk factors for brain aneurysms

Factors you **can** control:

- Smoking
- High blood pressure

Factors you **cannot** control:

- Family history
- Age over 40
- Female sex



Schedule a brain aneurysm screening

To schedule or review your screening MRA, call:

Abbott Northwestern: 612-863-4808

United Hospital: 651-241-6550

A neurointerventional surgeon will review your MRA. We will contact you with the results and make appropriate recommendations. Additional imaging and/or formal consultation may be advised.

Please provide the following information:

- Your name
- Date of birth
- Telephone number
- Address
- Name/relationship of relative with an aneurysm
- If MRA was completed, the date and name of the facility (we will obtain the imaging)

If you have questions, please call:
Abbott Northwestern: 612-863-4808
United Hospital: 651-241-6550