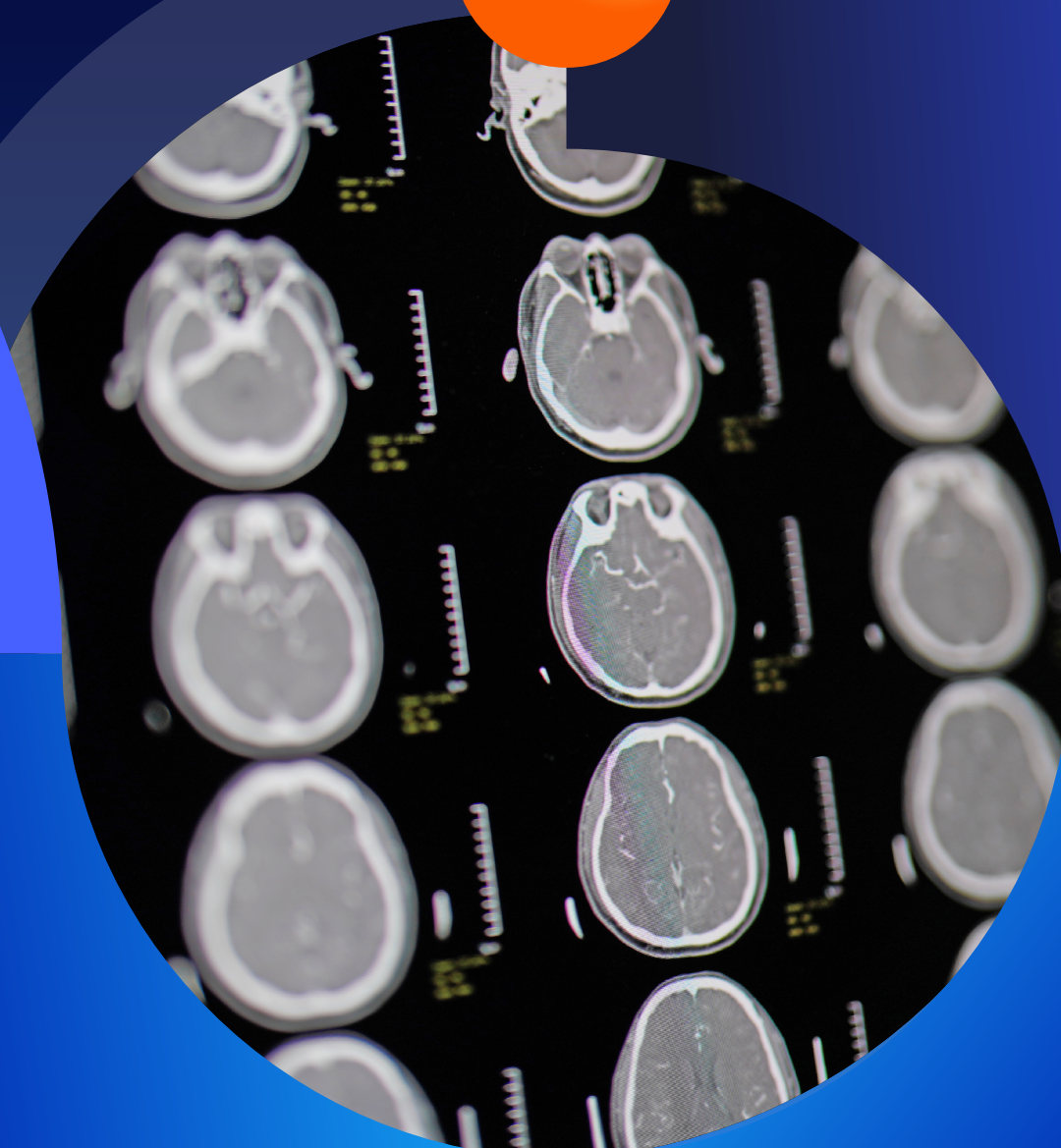




BRAIN ANEURYSM AI SOLUTION

A Comprehensive Approach
to Brain Aneurysm Patient Management



A New Standard for Brain Aneurysm Care

Unruptured brain aneurysms are often asymptomatic and found incidentally, during imaging tests performed for other reasons.



17%¹

Miss rate for incidental brain aneurysms on CTA scan



25-50%²

Patients do not receive necessary follow-up



50%³

Mortality rate of subarachnoid hemorrhage due to brain aneurysm rupture

Aidoc's Brain Aneurysm Solution employs diverse artificial intelligence technologies such as image-based identification for triage and text-based AI insights for patient management to identify and orchestrate care for patients in need.

Aidoc's solution helps neurointerventionalists, radiologists and care teams **identify incidental brain aneurysms and ensure continuation of long-term care** through our innovative patient management dashboard.

Using AI Along the Patient Journey



Find Suspected Brain Aneurysms

Enhance triage with image-based AI that runs on all CTA scans regardless of protocol.



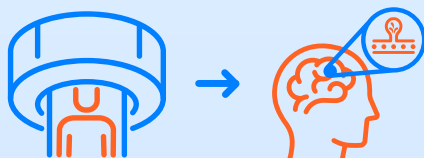
Capture Only True Positives

Text-based AI reviews radiology reports and extracts only positive aneurysm cases for follow-up

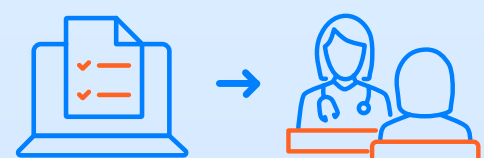


Automate Brain Aneurysm Patient Follow-up

Reduce known aneurysm patient leakage, resulting in better long term patient care and clinic volume retention



Radiology Report



Aidoc Patient Management Solution

Patient management is the safety net, making sure patients requiring follow-up for **incidental brain aneurysms** are **identified, captured** and **followed**.

The solution uses text-based AI to mine the radiology report searching for confirmed findings. For each confirmed finding, we review the EHR, assess risk by analyzing relevant clinical factors, and facilitate follow-up. Notifications are sent to nurses and schedulers in specialty clinics, prompting them to connect with primary care providers or patients directly to schedule office visits effortlessly.

The screenshot shows the 'Patient Management' interface for 'Brain Aneurysm'. It features a search bar, a filter overlay, and a table of patient records. The filter overlay is titled 'Filter patients by:' and lists various criteria with checkboxes. The table has columns for Name & MRN, DOB, Age, Gender, Class, Study date, # of Anx, Size mm, Location, Status, and Type. The table contains four rows of patient data.

Name & MRN	DOB	Age	Gender	Class	Study date	# of Anx	Size mm	Location	Status	Type
Jonathan Lewis 664e8e3028	8/15/1976	47	Male	ED	08/24/2023	1	7.7	PCOM	New	Saccular
Jeffrey Avila 6524b1a51a	6/30/1943	80	Male	IP	07/30/2023	1	2	ACOM	New	Saccular
Brittany Burke 887054e0b2	6/22/1946	77	Female	ED	07/24/2023	1	2	PCOM	New	Fusiform
Lori Thompson 763090a597	6/11/1939	84	Female	IP	07/11/2023	1	12	ICA/ICA	New	Irregular sac...

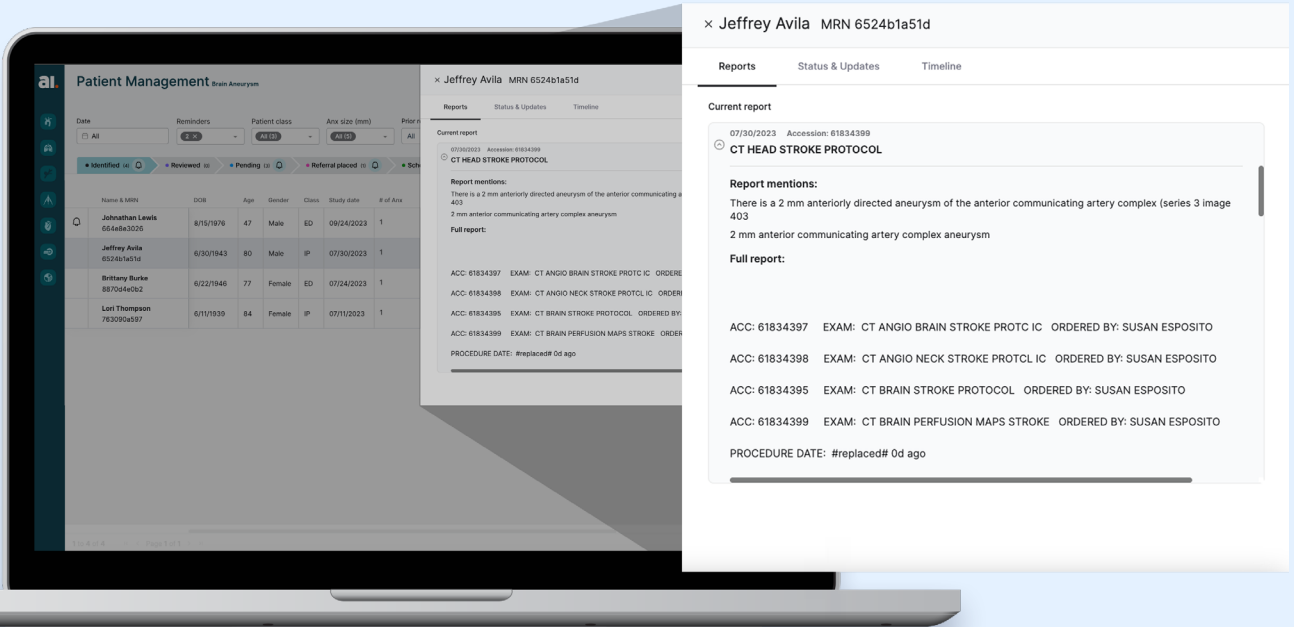
Filter patients by:

You have selected the maximum number of filters

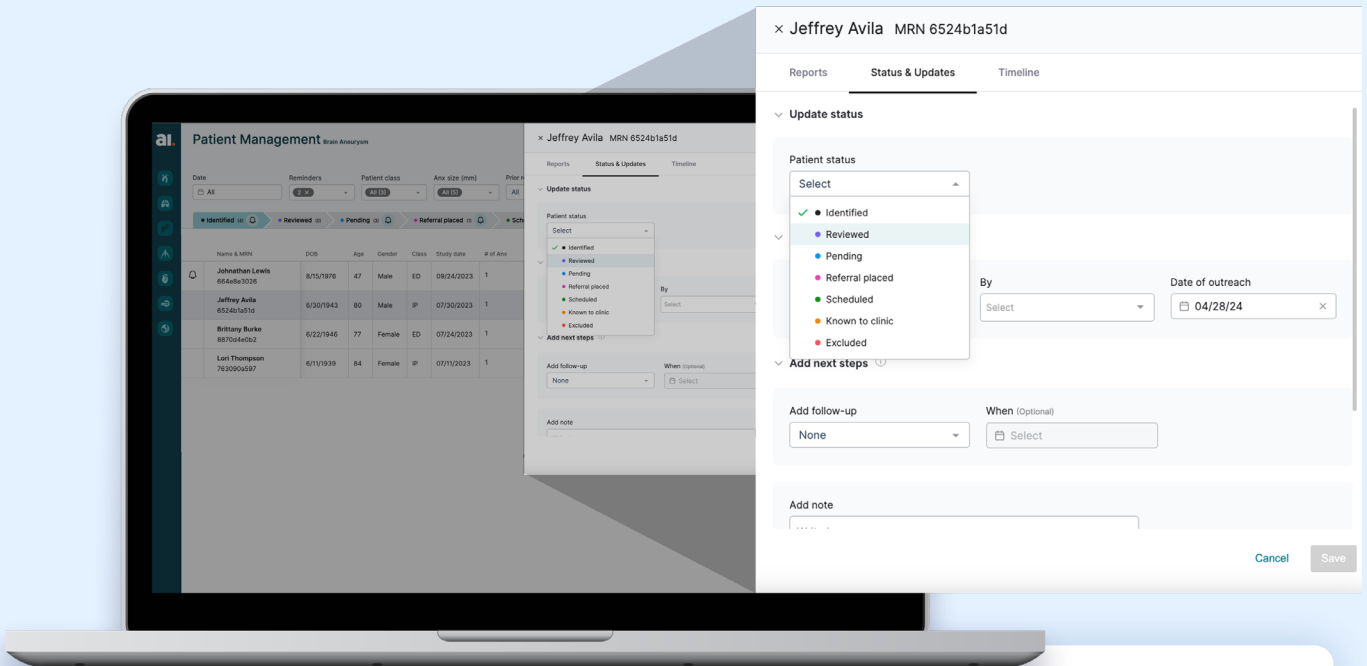
- Date
- # of anx
- Patient age
- Prior reports
- Anx location
- Anx type
- Reminders
- Patient class
- Anx size (mm)
- Institution
- Referring provider
- Anx status

The number of enabled filters is limited if exceeding screen width

- View patients in a sortable and filterable list with confirmed brain aneurysms.
- Work efficiently with EHR clinical context using Aidoc's FHIR integration.



- Access patient radiology reports within dashboard.
- Review clinical information and radiologist impression.



- Move patients along care path to ensure continuation of care and follow-up.

Enhancing Brain Aneurysm Triage With Aidoc



Aidoc uses **image-based AI** to identify suspected brain aneurysms on CTA scans and empower care teams and physicians to improve aneurysm triage.

Image-Based AI Orchestrator

aiOS™ automatically deploys all appropriate algorithms based on anatomy present to capture both the expected and unexpected.

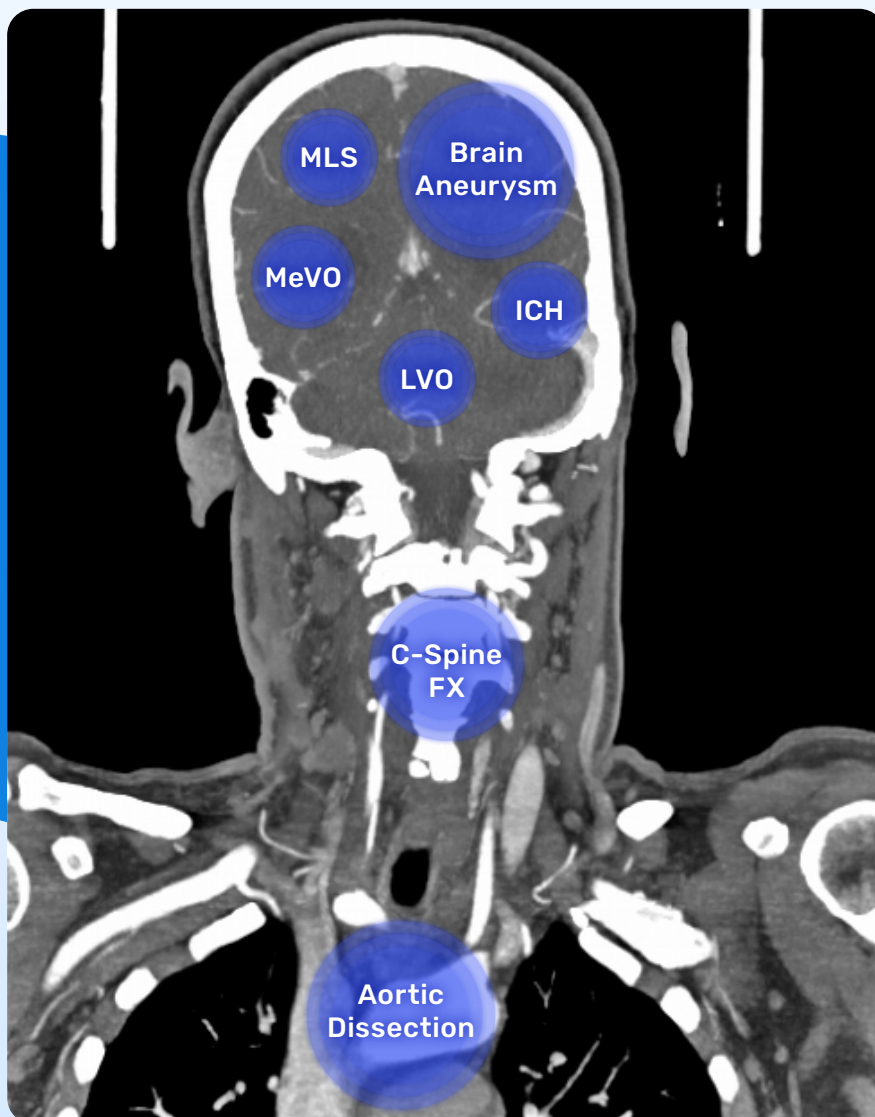


Image is for illustrative purposes only. Protocol may vary in accordance with algorithm Indications for Use.



Aidoc is a pioneering force in clinical AI.

We focus on aiding and empowering healthcare teams to optimize patient treatment, which results in improved economic value and clinical outcomes.

Since 2016, Aidoc's clinically proven AI solutions have eliminated silos, increased efficiencies and improved outcomes by delivering critical information when and where care teams need it -- leading to immediate collective action.

Powered by Aidoc's exclusive aiOS™, we analyze and aggregate medical data to enable care teams to operationalize the unexpected and work seamlessly with a continued focus on the patient.

Used in more than 1,000 medical centers worldwide, Aidoc has the most FDA clearances (17) in clinical AI and its AI-based solutions cover 75 percent of patient populations, enabling physicians to make informed decisions based on real-time data.

Aidoc AI is always on, running in the background to change the foreground.

References:

1. American Journal of Roentgenology. Volume 189, Issue 4. October 2007. Pages: 898 - 903. <https://doi.org/10.2214/AJR.07.2491>. **2.** AJNR Am J Neuroradiol. 2007 Oct; 28(9): 1755-1761. doi: 10.3174/ajnr.A0649. **3.** Subarachnoid hemorrhage: who dies, and why? Crit Care. 2015 Aug 31;19(1):309. doi: 10.1186/s13054-015-1036-0. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4556224/> **4.** Case courtesy of Ahmed Abdrabou, <https://radiopaedia.org/>. From the case <https://radiopaedia.org/cases/57592>.