

Full Brain AI Solution

Redefining Neurovascular Care
Through AI-Driven Innovation

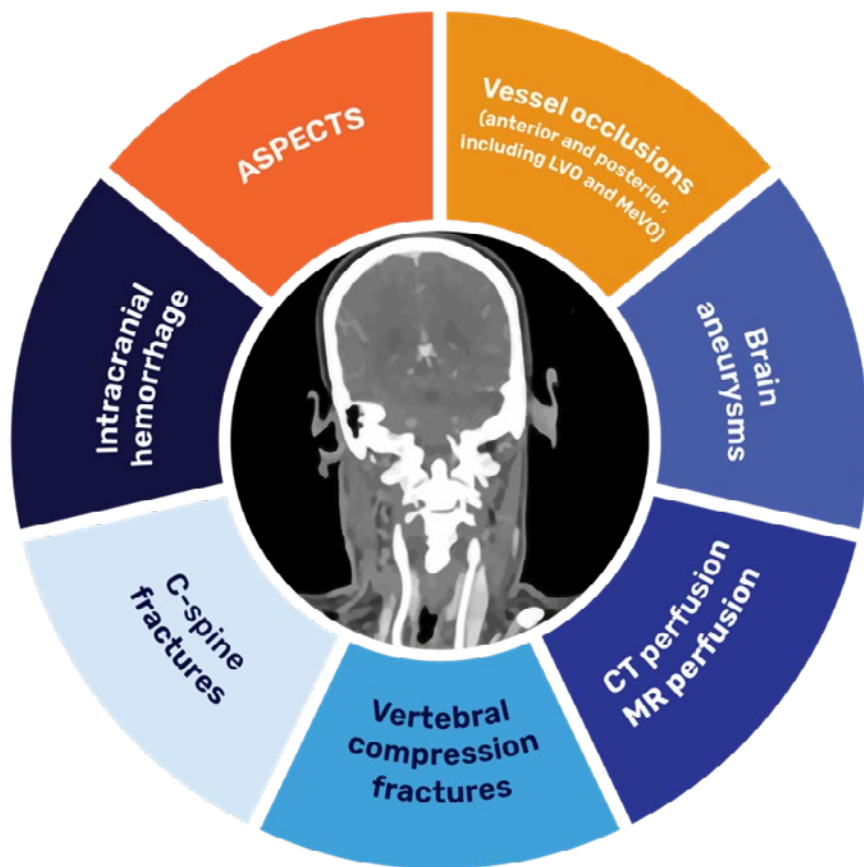


Aidoc's Full Brain AI Solution helps neurovascular teams move faster

- ✓ Continuous analysis of relevant imaging
- ✓ Flags suspected findings and surfaces urgent cases
- ✓ Connects imaging, clinical context and team communication in one workflow

aidoc

Comprehensive AI Solutions for Neurovascular Care



Vessel Occlusion algorithm offers unparalleled triage sensitivity^{1,2,3} that flags suspected LVOs, MeVOs and posterior stroke occlusions.

NEW

Fully automated, **ASPECTS**^{*} appears in the mobile app and can be injected into PACS when verified to support rapid clinical decision-making.

Brain aneurysm algorithm automatically analyzes relevant head CTA and CECT scans to flag suspected and unexpected brain aneurysms. *Now FDA-cleared down to 3mm.*

Best-in-class **intracranial hemorrhage** triage^{4,5} with suppression of ICH follow-up notifications, to keep clinicians focused on what matters most without alert fatigue.

NEW

MR Perfusion[†] with advanced metabolic perfusion imaging that can be viewed directly in mobile app. Leverages an exclusive Vascular Model for most parametric maps to enhance visualization of hypoperfused tissue, while maintaining the standard SVD model for Tmax.

Deep Clinical Review in PACS

While the mobile app displays key information[‡] to support rapid communication, the full comprehensive suite of outputs can be injected directly into PACS.

This includes exclusive advanced metabolic biomarkers like Oxygen Extraction Fraction (OEF) and Cerebral Metabolic Rate of Oxygen (CMRO2) to give neuro specialists deeper insights into tissue viability and metabolism.

* In partnership with Circle CVI's Stroke SENS solution

† In partnership with Cercare Medical

‡ Images are displayed in a non-diagnostic viewer within the mobile app

Seamless Care Coordination & Patient Management



Review suspected AI findings

Access all CT, MR, XR imaging

See real-time trending EHR data

Share patient cases in network

Communicate with care teams

Mobile Acute Care Coordination

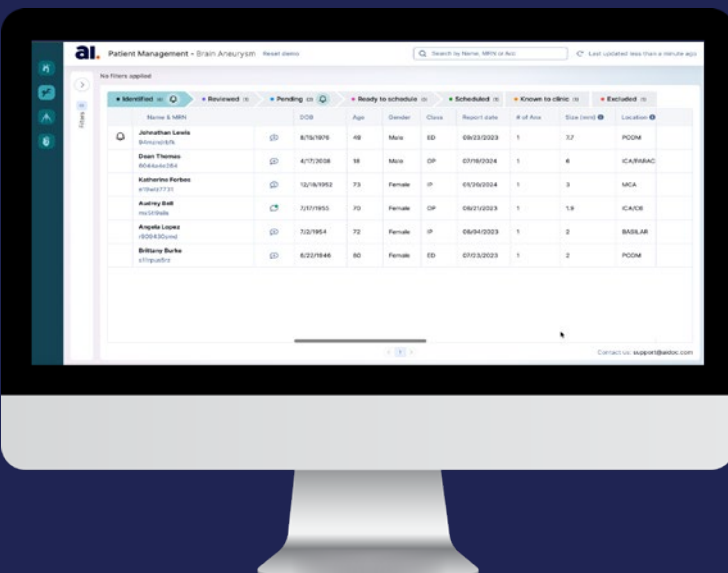
The mobile app shifts care from fragmented, sequential steps to parallel, real-time decision-making.

Teams receive:

- Simultaneous AI alerts
- Non-diagnostic mobile image viewing
- HIPAA-compliant chat and immediate access to real-time clinical EHR context – such as labs, vitals, NIHSS and Last Known Well

Hub & Spoke Sharing

Share patient info across your network so distance no longer dictates outcomes. Hub institutions get instant notifications for newly shared patients, allowing them to review imaging and initiate communication to accelerate transfer and treatment decisions.



Brain Aneurysm Patient Management

Reduce known brain aneurysm patient leakage with text-based AI that extracts brain aneurysm findings directly from radiology reports to automate outpatient follow-up and support follow-up workflows.

Proven Real-World Clinical Performance & Impact

Unrivaled Triage Accuracy

Vessel Occlusions

5x greater accuracy in identifying Medium Vessel Occlusions (92.3% vs. 17.3%)¹

57% more vessel occlusions flagged overall¹

Intracranial Hemorrhage

35% more ICH cases flagged⁴

99.2% Near-perfect triage sensitivity⁴

AI Powered Hub-and-Spoke Workflows



32-minute

reduction in door-in-door-out time⁶

~30%

faster LVO transfers⁶

Dramatic Time to Treatment Savings

34%

reduction in median door-to-puncture time⁷



38 minutes

saved on average⁷

Don't settle for conventional AI performance; choose the proven clinical advantage.

Visit aidoc.com or contact your Aidoc representative to schedule a demo of the Full Brain AI Solution.

1. Al Taweel, A MD, Al Jadiry H MD, McCaffrey P MD, Walser E MD. "Comparative Evaluation of Two Commercial AI Solutions for Vessel Occlusion Detection in a Real-World Clinical Setting." The University of Texas Medical Branch, TX, USA.
2. Zhong H MD, Ciasullo C DO, Pham K DO, Klein D MD. "Head-to-Head Comparison of Two AI Software Solutions for Detecting Vessel Occlusions in Stroke Code Patients Using Head and Neck CTA Scans." Overlook Medical Center, Summit, NJ, USA.
3. Vermette N, Kleinschmidt K, Barkhordar A, Fox J.D., Sudanagunta K MD. "Impact of an AI-Based Vessel Occlusion Detection Algorithm on Occlusion Identification in a Real-World Stroke Workflow." Department of Radiology, Saint Louis University School of Medicine, St. Louis, MO, USA.
4. "Performance Comparison of Two AI-Based ICH Detection Tools on Head CT in a Real-World Clinical Setting." Department of Radiology, Saint Louis University School of Medicine, St. Louis, MO, USA.
5. Garcia GM, Young P, Dawood L, Elshikh M. "Head-to-Head Comparison of Two AI Computer-Aided Triage Solutions for Detecting Intracranial Hemorrhage on Non-Contrast Head CT." American Journal of Neuroradiology September 2025, ajnr.A8986; DOI: <https://doi.org/10.3174/ajnr.A8986>.
6. Ravid, M. (2026, April 22). AI-powered hub-and-spoke stroke care at Renown Health & Carson Tahoe Health. Aidoc. <https://www.aidoc.com/learn/blog/ai-powered-stroke-care-at-renown-health-carson-tahoe-health/>
7. Abstract presented at SNIS 2024 Annual Meeting: Enhancing Stroke Care Efficiency Through AI Vendor Transition: A Comparative Study Of Workflow Metrics Before And After Implementation. H. Chokhawala,, H. Cuellar, R. Shah, A. Savardekar; Louisiana State University Health Sciences Center, Shreveport.