PROVEN CLINICAL PERFORMANCE IN INTRACRANIAL HEMORRHAGE CASES

TWO ABSTRACTS REVEAL AIDOC'S REAL-WORLD IMPACT COMPARED TO CONVENTIONAL AI

In acute stroke and neurovascular workflows, one way to measure algorithm accuracy is in unflagged cases. In time-sensitive neurovascular triage, algorithm sensitivity should be non-negotiable. We've found that when algorithms are put to the test — both in real-world clinical settings and external studies — Aidoc's neuro AI solutions are unmatched.

Two abstracts from different health systems, SSM Health Saint Louis University Hospital (SLU) and University of Texas Medical Branch (UTMB), reveal Aidoc's superior performance in intracranial hemorrhage (ICH) cases.

HEAD-TO-HEAD: THE CRITICAL SENSITIVITY DEFICIT

When comparing algorithm sensitivity, Aidoc showed decisive superiority. The hypersensitive triage in time-sensitive critical cases, directly results in supporting fast, timely decision-making when every minute counts.

STUDY 1: SLU Reports Aidoc's Near-Perfect Triage Sensitivity[1]

Metric	Aidoc (Vendor A)	Conventional AI (Vendor B)	Significance
Sensitivity (ICH Triage)	**99.2%**	68.7%	Aidoc demonstrated near-perfect triage sensitivity in this real-world cohort.
Specificity	96.8%	**99.6%**	Aidoc prioritizes high sensitivity while maintaining high specificity.

N=1,192 scans

STUDY 2: UTMB Finds Aidoc Flags Significantly More Critical Cases[2]

Metric	Aidoc (Vendor A)	Conventional AI (Vendor B)	Significance
Sensitivity (ICH Triage)	**94.4%**	59.5%	Aidoc **flagged 35% more ICH cases**, drastically reducing the risk of a critical unflagged bleed.
Negative Predictive Value (NPV)	**99.1%**	92.6%	Aidoc showed an NPV that was **6.5% higher** than conventional AI.

N=4,081 consecutive scans

AIDOC'S ICH SOLUTION HAS THE PROVEN CLINICAL ADVANTAGE

This compelling evidence from major academic centers confirms that not all AI solutions for neurovascular triage are created equal. And when it comes to time-sensitive critical care, settling for conventional AI performance is a risk that could make the difference between life-altering complications and positive patient outcomes.

Don't settle for conventional AI performance; choose the proven clinical advantage. Connect with our team to learn how Aidoc's AI solutions for neurosciences can elevate your workflows and enable faster, more confident clinical decisions.

CITATIONS

1. "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.
2. 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.