How **Aidoc AI** Turns Incidental Findings Into Life-Saving Insights

A missed critical finding can be life-altering. But what if there was a way to automatically flag all relevant findings from a single exam and alert the key stakeholders, both for suspected and unexpected conditions? It's possible with Aidoc's intelligent AI orchestration — powered by the aiOS™ platform.

Most AI tools stop at the primary task. The aiOS™ goes further, combining imaging and clinical data to surface both suspected and incidental findings in real time. Its anatomy-aware orchestration selects the right algorithm(s) for each scan and automatically applies them for the given workflow.

One unified infrastructure powers dozens of use cases across sites, departments and service lines, expanding diagnostic awareness and driving more timely interventions to enable fewer missed findings and greater impact from every area.

Here's how our Radiology Solution flags an incidental brain aneurysm for a motor vehicle trauma patient that presents to the Emergency Department (ED).

Health System **Without Aidoc AI**

Patient scanned

Head CT and CTA ordered — looking for concussion/skull fracture and brain bleed

Radiology interpretation + brain aneurysm identified

17% miss rate for incidental brain aneurysm[1]

Radiology checks to see who's on call and consults with neurosurgery/ neurointerventionalists

Neurosurgeon/neurointerventionalist accesses images on PACS once available

Patient discharge

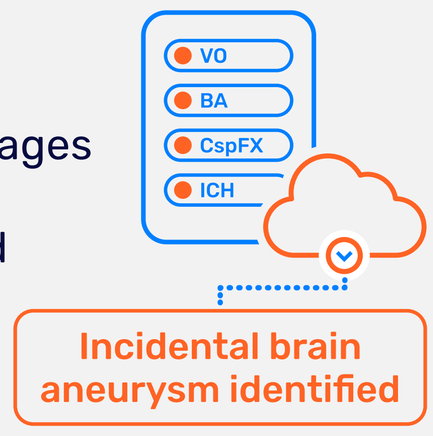
Treatment options and/or imaging follow-up recommendations given to patient

25% of patients lost to follow-up[2]

Health System **With Aidoc AI**

Patient scanned

Aidoc's intelligent orchestration leverages computer vision to detect the skull and cervical spine



Radiology interpretation

Brain aneurysm confirmed and documented in radiology report

On-call neurosurgeon/ neurointerventionalist notified for consult + accesses images via mobile app

Patient discharge

Treatment options and/or imaging follow-up recommendations given to patient

Patient captured for brain aneurysm follow-up in clinic

Interested in learning how **Aidoc can help your health system identify incidental findings** and so much more?

Visit aidoc.com

1. Colen TW, Wang LC, Ghodke BV, Cohen WA, Hollingworth W, Anzai Y. Effectiveness of MDCT angiography for the detection of intracranial aneurysms in patients with nontraumatic subarachnoid hemorrhage. American Journal of Roentgenology. 189(4), 898–903 (2007). https://ajronline.org/doi/10.2214/AJR.07.2491

2. Aidoc data on file.