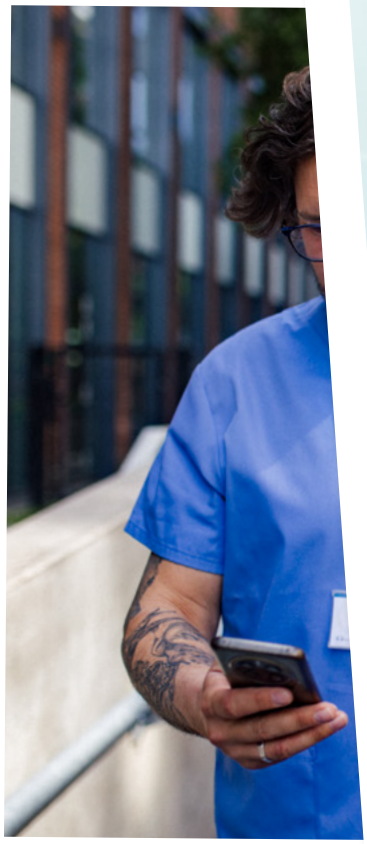
Moments That Matter



Real Stories of AI Transforming Healthcare

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In every hospital, there are moments when a single decision changes everything. When time is running out, uncertainty is high and lives hang in the balance.

Moments That Matter

shares real accounts from the front lines of care, where clinicians and Aidoc's AI work side by side to spot the unseen, act faster, and give patients a fighting chance. These are stories of lives saved, crises averted, and care teams empowered to do what they do best. Deliver extraordinary care when it matters most.

This isn't the future of medicine. It's happening now. ***And it's deeply human.***

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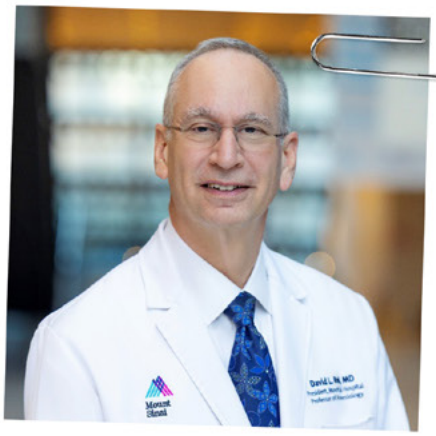
Instant Notification, Instant Response: Coordinating Care with AI

A patient last night underwent a CT scan, and we diagnosed an aortic dissection – a condition that is very, very life threatening with a mortality rate of 1% per hour. Our surgeons are getting a text and notification from the AI algorithm that identifies this immediately, so they can save more lives.



David Reich, MD

Chief Clinical Officer: Mount Sinai Health System
President: Mount Sinai Hospital

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Acting in the Moment: Decisions at the Scanner

We didn't know at the time of the activation that this patient was literally not even out of the scanner. Aidoc has enabled us to have a conversation or a chat with an interventionist and the ER doctor caring for the patient, and have all of it done and a solution on what we're going to do for that patient before they even get back to their room in the ER.

Chirag Shah, MD, MSCE
Chairman of Medicine & Pulmonary Critical Care Specialist
Morristown Hospital part of Atlantic Health System

Putting Patients First with Point-of-Care AI Insights

Jean Jose, DO
Associate Vice Chair of Radiology
University of Miami Health System

Imagine you're a cancer patient with shortness of breath, sent for a CT to evaluate metastatic disease. At a typical imaging center, you're scanned and sent home, only to later receive a frightening call telling you to rush to the ER for a critical finding. Now imagine a different scenario with AI: before you even leave the center, a nurse practitioner is there to explain the results, answer your questions and get you the urgent care you need right away. Patients have shared with us, "Thank you so much for the amazing attention and for deploying technologies to potentially save my life, my mother's life or my father's life, in a humane way."

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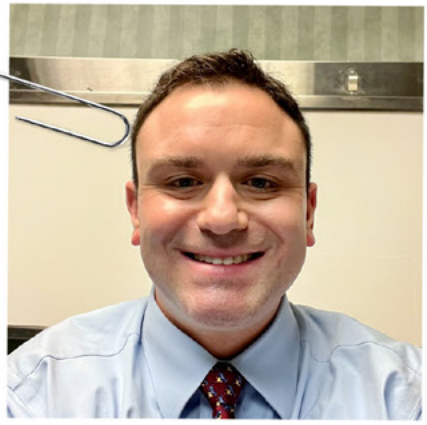
Early Notification, Better Outcomes for the Unexpected



Jonathan Joshi, MD
Associate Professor, Department of Radiology,
University of Louisville Hospital

A patient came in with nonspecific abdominal pain and had a CT of the abdomen and pelvis. Aidoc flagged an incidental pulmonary embolism – potentially deadly clots in the lungs –indicating a small portion of lung visible on the scan. I couldn't say for sure, but I ordered a dedicated chest CT. Sure enough, it confirmed a clinically significant pulmonary embolism. The patient, who hadn't mentioned shortness of breath, received a critical diagnosis that might have otherwise been overlooked. Thanks to the AI, they got the timely care they needed.

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Clinical Value from Day 1

I have no doubt that hours were saved between diagnosis & treatment for 2 intermediate high-risk patients on day 1 of implementation. Intervened when the sun was up decreasing OT & hospital LOS. Both patients were discharged within 48 hours of diagnosis.

Carin Gonsalves, MD, FSIR

Professor of Radiology, Co-Director Interventional Radiology, Co-Founder and Co-Director Pulmonary Embolism Response Team
Jefferson Health

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Expediting Care During a Busy ED Shift

I was on call recently when a patient came in with chest pain, shortness of breath, and tachycardia – classic signs of a pulmonary embolism. At that point, no one in the busy ER knew the diagnosis. The patient got a chest X-ray, then a CT, and was still sitting in the waiting room when I received an AI alert on my phone.

The alert flagged a significant pulmonary embolism, with a severe RV/LV ratio close to 2 and a high clot burden. I pulled up the images immediately and saw it clearly. Normally, the workflow starts with the radiologist and ER doctor calling me. But this time, it flowed from IR. I contacted the care team and had the patient brought back right away.

This was a high-risk case, what we call a "death spiral" PE. The patient began to decompensate before the intervention. We performed a pulmonary artery thrombectomy, and they went home a day or two later.

If I hadn't received that alert when I did—30 to 60 minutes earlier than usual—the outcome might've been different. But thanks to the AI integration and real-time access, that patient is alive. Now imagine it's your family member – wouldn't you want them at a hospital with that kind of capability?

Alexander Misono, MD
Chief of Interventional Radiology
Hoag Hospital Irvine

Connected Care Across the Enterprise

Avishkar Sharma, MD, CIIP
Director and Associate Chair of AI
Jefferson Health

The care coordination mobile app has revolutionized our workflow, enabling interventional radiologists to act faster – sometimes even before the ED is aware. This reduced exam-to-needle time by 20–30 minutes and doubled our intervention volume, with improved coordination across radiology, ED and ICU.

We've also applied AI to incidental findings like coronary artery calcifications. Instead of letting these high-risk indicators fall through the cracks, we now route actionable cases to cardiology using AI, NLP and EMR data. This has already led to life-saving interventions – and gives us clear, measurable outcomes to share with the C-suite.

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Identifying an IVC Filter Placed Over Two Decades Ago

At Mt. Sinai, we've had a number of incidental IVC filters identified with the help of Aidoc.

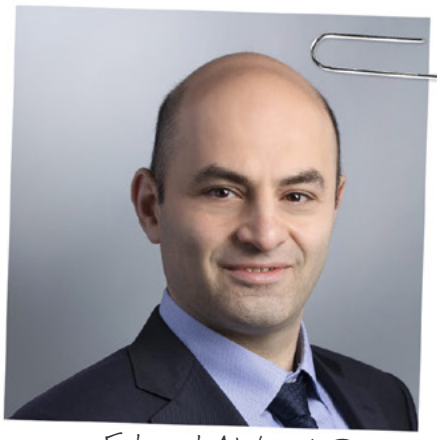
Jenanan Vairavamurthy, MD
Interventional Radiologist, Mount Sinai Health System

A patient came to Mt. Sinai experiencing abdominal pain. We ran an X-ray and Aidoc flagged the IVC filter as an incidental finding based on report content. Come to find out, she unknowingly had a filter placed in 2000 (over 20 years ago!) at another facility due to post op DVT. Since she wasn't aware of it and did not have a follow-up, she never knew she needed to get it removed.

After weighing options and discussing risks, the patient agreed to have the filter removed and we were able to safely do so in one sitting.

Beyond Scheduled Care: Capturing Critical Change Before It Escalates

A patient diagnosed with a 4.5 cm Abdominal Aortic Aneurysm (AAA) who was under surveillance and follow-up, presented at our hospital months before his scheduled follow-up with evidence of fever and shortness of breath. A CT scan demonstrated a significant increase in AAA. Aidoc's AI enabled the vascular surgery team to immediately identify the patient with an accelerated growth rate outside the typical follow-up window, and the patient was brought back for urgent repair.



Edouard Aboian, MD
Vascular and Endovascular Surgeon
Yale New Haven Health

Averted Complications: Early Intervention in a Posterior and MeVo Case

We have seen the impact of a full-brain AI solution here at Care Foundation Hospital, enabling us to coordinate care promptly for patients with more subtle stroke findings.

Medical history is visual disturbance with r ve paresthesias/ numbness. The patient was then given TNKase with resolution of symptoms The findings prompted a central source of embolism and patient was later found to have cardiac arrhythmias on an event monitor requiring long term oral anticoagulation.

Aidoc AI flagged the suspected left PCA occlusion on the CTA exam and immediately alerted the stroke team of the radiologist-confirmed findings.

The ability to notify on suspected large and medium vessel occlusions in posterior and anterior circulation is a level-up in improving disease awareness and care delivery.

Brian Mason, MD
Senior NeuroEndovascular Surgeon/Associate Professor
Carle Foundation Hospital

Real-Time AI.
Real Human Impact.

These stories reveal the moments that define care because in healthcare, every second counts.

Aidoc equips clinicians to act before delays turn dangerous. It's not just about speed. It's about giving every patient the best possible shot at recovery, dignity and life.

Because the right decision, made in time, can change everything.

Ready to explore the impact of real-time AI in your institution?

Learn more about Aidoc's full suite of AI solutions.
Join the conversation and stay up-to-date:

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