

Next Generation AI for Pulmonary Embolism Care Teams

Aidoc PE Care Coordination

AI-POWERED NOTIFICATION AND COMMUNICATION TOOLS FOR PE RESPONSE TEAMS

In order to coordinate and expedite multidisciplinary Pulmonary Embolism (PE) care, Aidoc has developed a end-to-end workflow solution for PE Response Team (PERT) Activation. PE is associated with high morbidity and mortality. Right heart strain and time from triage to diagnosis have both shown to be independent predictors of mortality in cases of acute PE.^{1,2,3*}

Up to 78% of intermediate to high-risk PE patients did not receive a PERT consultation.⁴



Aidoc's PE Care Coordination solution facilitates multidisciplinary PERT activation, which leads to faster diagnosis and increased advanced treatment versus standard of care alone. Implementation of this Al-driven solution has been proven to decrease time to intervention while also reducing length of stay ⁵.

*Mobile platform application is not intended to diagnose.



FASTER TIME TO TREATMENT

PE Response Teams use Aidoc AI-powered Care Coordination solutions to improve awareness and communication, enhancing the discovery of patients needing PERT consultation, resulting in expedited clinical decision making.



Time to treatment is an important factor of PERT success. Aidoc triage solutions are able to reprioritize suspected PE cases within the imaging workflow to expedite interpretation. Additionally, access to key clinical data from the EHR, image viewing, and cross departmental chat further expedite the clinician decision making. Cedars-Sinai was able to reduce their time to treatment by seven hours with Aidoc AI-powered PERT Activation.⁵

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WHY AIDOC PE CARE COORDINATION?

PE Response Teams require robust AI results that are actionable and seamlessly available in the mobile PERT workflow.

Actionable Consults

Al alerts the right clinician based on customizable alert settings. Al alerts are sent when the exam screens suspected positive for PE in the main, left or right pulmonary arteries and is accompanied by an elevated RV/LV ratio. Al alerts are only valuable if they are accurate and actionable*.



*Based on Al suspected findings of PE (BriefCase-Triage) and RV/LV ratio (Imbio RV/LV Software).

Automatic

Aidoc's AI is always on, constantly running in the background to opportunistically identify potential cases which may require PERT activation. Featuring both dedicated PE and incidental PE (iPE) algorithm coverage, PE response teams can be activated on from potential findings on more than dedicated CTPAs. The automatic application of AI to all relevant exams has resulted in an increased prioritization awareness of PE*.



Expanded PE and iPE Disease Awareness^{78,9,10}

Seamlessly Connected

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The multidisciplinary PERT needs tools that connect and expedite the existing workflow. The Aidoc AI-powered PERT workflow enables users to view suspected PE finding studies on mobile, while connecting the PERT to the patient's EHR data for labs and vitals to aid clinicians in reaching informed clinical decision making. This integration gives providers access to live and automated clinical data, in addition to AI imaging results, from anywhere on mobile.

"We were extremely excited to see how the relevant labs and clinical data were seamlessly integrated from EPIC to our Aidoc mobile application, giving us the additional clinical layer we need to make informed decisions with AI. The technical integration went smoothly, with various systems coming together into one feed. We knew there would be challenges of integrating disparate systems, particularly labs, but we were able to do so with minimal lift. This is a level-up for our care coordination and ultimately for our patients at Mount Sinai."

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Dr. David Mendelson, Associate CMIO and Vice Chair Radiology IT at The Mount Sinai Health System

*Based on AI suspected findings of PE (BriefCase-Triage) and RV/LV ratio (Imbio RV/LV Software).

A COMPREHENSIVE SOLUTION FOR MULTIDISCIPLINARY PERT

Access to Imaging, Vitals, and Labs from Anywhere

Access to suspected PE findings on imaging, image window panning/adjusting, and different anatomic views in a seamless mobile workflow. The mobile workflow also provides a secure chat function, with a scheduling integration that enables care team members to understand who is available to consult and perform interventions when necessary. EHR data is automatically populated to speed the review of clinical information.



PERT Alert Expand awareness of suspected PE anywhere, 24/7 Mobile Image View View/access studies with suspected PE findings RV/LV Ratio Remove variability and automate risk stratification EHR Connectivity Supplement images with vital clinical information PERT Cross Department Chat Consult and make clinical decisions, together

WHAT ARE OUR PARTNERS SAYING?

Dr. Akhil Khosla PERT Director **Yale New Haven Health** The PE Response Team (PERT) was established to provide rapid risk assessment along with the execution of the patient management strategy. One of the challenges of establishing a PERT program is making sure the right information is in the hands of the right clinician. In Aidoc, we have a partner with the ability to bring deep integration of AI into these native workflows. The outcome leads to enhanced patient eligibility for novel therapies and makes a significant change to patient management.

ABOUT AIDOC

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 (13) 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 Al is always on, running in the background to change the foreground.



Learn how the power of AI can impact your facility Aidoc.com

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