Transform with confidence: navigate AI with Merge and Aidoc

Merative and Aidoc

Aidoc and Merge by Merative™ have partnered to offer Merge clients an integrated suite of AI-based tools that work seamlessly with Merge solutions to help impact cost and quality of care.
By combining their industry-leading systems, knowledge, and capabilities, both companies offer extensive insights and proven solutions to help you effectively leverage AI technologies in your clinical workflows.

– The Aidoc aiOS™ is an always-on platform that automatically monitors and analyzes images, structures, and organizes data based on anatomy present, and flags both suspected and unsuspected findings for clinicians.

– Aidoc offers the most FDA-cleared, clinically proven algorithms in clinical AI, vetted to meet Merge technical, security, and privacy standards.

– With seamless integration into Merge systems, Aidoc's innovations are accessible to clinicians without disruption to existing workflows.

– More than 1,000 medical systems worldwide are using Aidoc.

– Aidoc is proven to help health systems reduce patient length of stay (LOS), increase quality improvement measurements, and reduce image study turnaround time[1].

About Aidoc

Since 2016, Aidoc has delivered clinically validated results for a broad spectrum of institutions varying in size and population diversity. Aidoc solutions empower clinical teams to triage imaging studies and respond more effectively to abnormalities relevant to cardiology, neurology, vascular surgery, trauma, and radiology. Aidoc's sophisticated AI-enabled decision support software examines medical images, aiding radiologists in focusing on critical cases and identifying incidental findings. The result helps expedite patient care once a suspected finding is detected and helps ensure patients receive the necessary follow-up they require.

The Aidoc suite includes the aiOS™, an always on clinical AI operating system that ensures seamless integration into existing systems and tools – including EHR, PACS, scheduling, reports, desktop, and mobile workflows with a single user interface. The aiOS™ provides a platform to structure and organize both image and EHR data for a comprehensive view of the patient. It centralizes and coordinates AI algorithms based on anatomy, monitors, and measures data, and facilitates cross-department collaboration, ensuring stable AI performance over time.

Benefits to Merge clients and users

Merge is your transformation partner. From the experts we hire to the business partnerships we form; we are committed to providing practical and innovative medical imaging solutions. With a deep understanding of the imaging industry, its technology landscape, and its wide ecosystem of players, gained from over 30 years of experience, we aim to help you chart the best path forward on your technology decisions.

Together with Aidoc, we can help you navigate the opportunities to bring benefits to your physicians, care teams and patients with imaging AI. There are many benefits of working with Merge and Aidoc together as we focus on:

1. Enabling your care teams to operationalize the unexpected and then work seamlessly with a continued focus on the patient.

2. Reducing your risks and costs - both to patients and health systems[2].

3. Accelerating your selection, procurement, and adoption of AI by leveraging your existing Merge systems, relationships, and business agreements.

ALGORITHIMS

The following algorithms from Aidoc are all regulatory-cleared and available to clients through Merge by Merative. Additional algorithms will be added over time and vetted for technical compatibility with Merge solutions, so that you can confidently procure and deploy these innovations in your environments.

- Brain Aneurysm
- Intracranial Hemorrhage
- Midline Shift Measurement
- Vessel Occlusion (VO, MeVO)
- C-Spine Fractures
- Vertebral Compression Fractures
- Rib Fractures
- Intra-Abdominal Free Gas

- Pulmonary Embolism
- Incidental Pulmonary Embolism
- Coronary Artery Calcification
- Aortic Dissection
- Abdominal Aortic Measurement
- Pneumothorax
- Malpositioned Endotracheal Tubes

Contact your Merge representative or let us know how to contact you here. To learn more about Aidoc, click below or visit aidoc.com.

Learn more →

About Merative

Merative provides data, analytics, and software for healthcare and government social services. With focused innovation and deep expertise, Merative works with providers, employers, health plans, governments, and life sciences companies to drive real progress. Merative helps clients orient information and insights around the people they serve to improve decision-making and performance.

Learn more at www.merative.com

References

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[2]Risks: Yale New Haven Hospital – Bader et al. (2020) Use of a Machine Learning Algorithm to Detect Incidental Pulmonary Embolism. SIIM 2020. Region Halland – Wiklund et al. (2022) Incidental pulmonary embolism in patients with cancer: prevalence, underdiagnosis and evaluation of an AI algorithm for automatic detection of pulmonary embolism. European Journal of Radiology. doi: 10.1007/s00330-022-09071-0

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