CINA-AD

AI powered Solution for Aortic Dissection

Avicenna.
empowering radiology with AI

CE Marked

FDA Cleared

Designed with a focus on patient management, CINA is a medical device that uses a suite of advanced algoritms to accelerate and improve the therapeutic decision-making process. Fully automated and seamlessly integrated into the radiologist's existing workflow, CINA helps healthcare professionals to detect and prioritize life-threatening pathologies from CT scan.
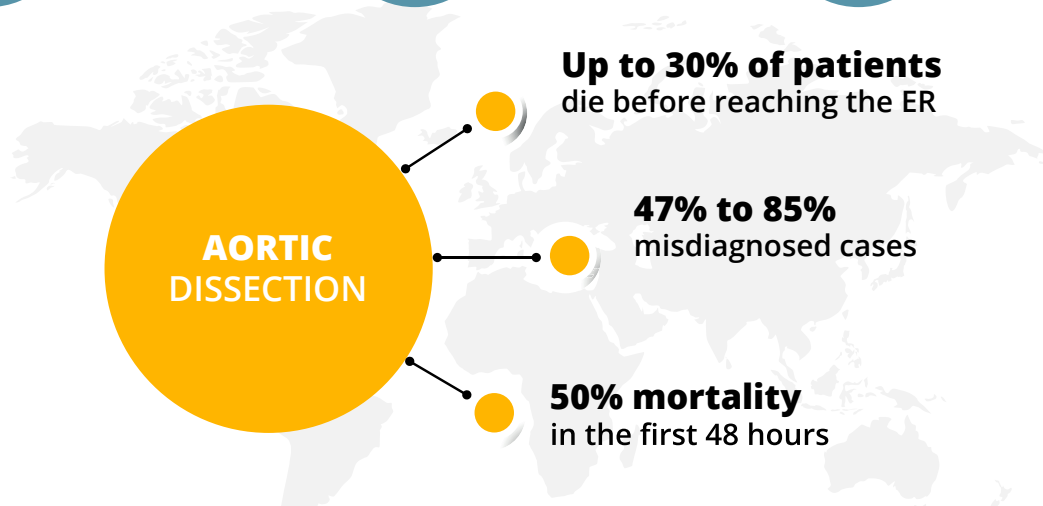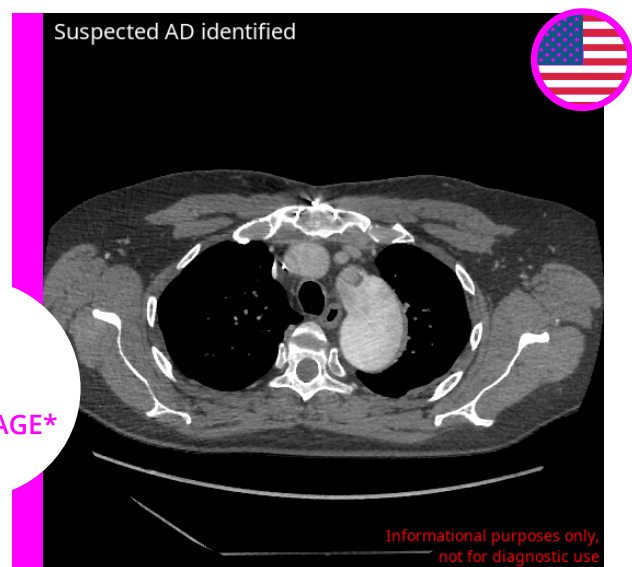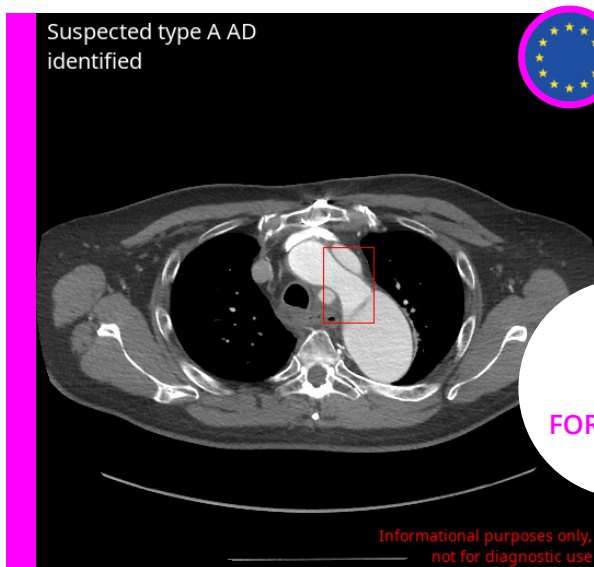
Decrease time to treatment

Improve patient outcomes

Reduce error rate & misdiagnosis

AORTIC DISSECTION

Up to 30% of patients die before reaching the ER

47% to 85% misdiagnosed cases

50% mortality in the first 48 hours

CINA-AD application was designed to identify acute Type A and B aortic dissection that requires urgent intervention on Chest CT Angiography. This solution meets clinicians' needs to flag and triage urgent AD cases by providing accurate and fast real-time alerts.

Suspected type A AD identified

Informational purposes only, not for diagnostic use

FOR TRIAGE*

Suspected AD identified

Informational purposes only, not for diagnostic use

*The time informed is based on application processing time. The overall time to deliver the information will depend on the vendor, hospital network, and ultimately equipment used.
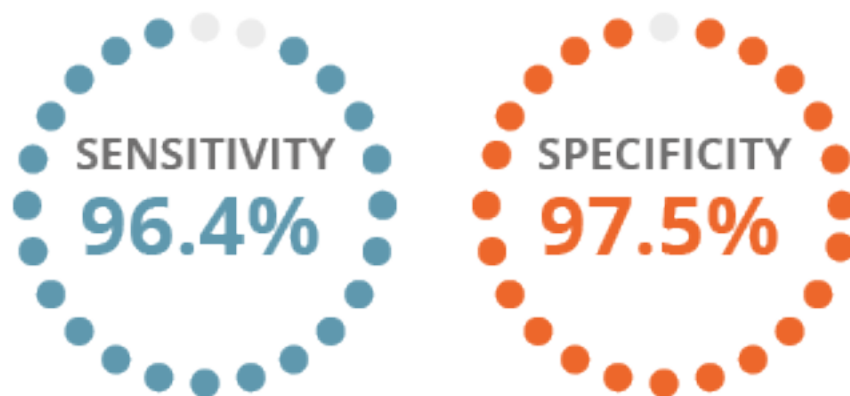
Extensive Training Process

The training of the CINA-AD algorithm has been elaborated with a wide range of data (image, qualities, scanner makes, protocols, AD types - type A and B, etc.).

Robust Validation System

CINA-AD detection capability was validated using data from 298 cases conducted across 44 US States.

The tested dataset contained a sufficient numbers of cases from important cohorts in terms of imaging acquisitions, patient groups, and AD characteristics.

Three US board-certified expert neuroradiologists proceeded to the visual assessment of all datasets.

SENSITIVITY 96.4%

SPECIFICITY 97.5%

Avicenna.AI is leading the way to the next generation of healthcare with its medical diagnostic AI solutions focused on medical imaging and life-threatening diseases. Designed around patient management, automatic and plug-n-play, our applications provide solutions to global clinical challenges.

For further information, please contact us: **contact@avicenna.ai**

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https://avicenna.ai