CINA-PE

AI powered Solution for Pulmonary Embolism

Avicenna.ai
empowering radiology with AI

CE Marked

FDA Cleared

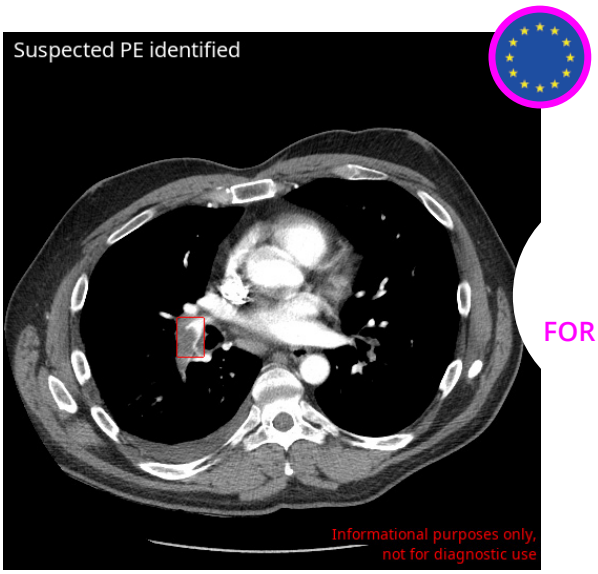
Designed with a focus on patient management, CINA is a medical device that uses a suite of advanced algoritms to accelerate and improve the therapeutic decision-making process. Fully automated and seamlessly integrated into the radiologist's existing workflow, CINA helps healthcare professionals to detect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

- Decrease time to treatment
- Improve patient outcomes
- Reduce error rate & misdiagnosis

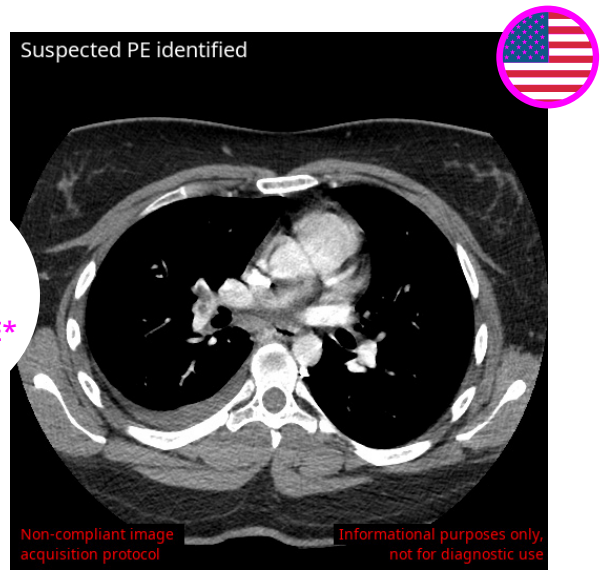
PULMONARY EMBOLISM

- **30% to 45% of patients** diagnosed before death
- **30% mortality** for untreated patients
- **66% patients** die within 2 hours

CINA-PE is a radiological computer aided triage and notification software indicated for use in the analysis of Chest and Thoraco-abdominal CT angiography. CINA-PE uses an artificial intelligence algorithm to analyze images, flags pulmonary embolism and notify the clinical team.



FOR TRIAGE*



*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

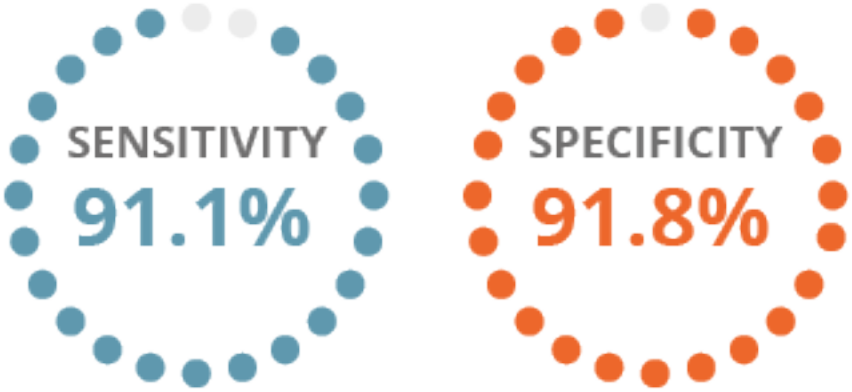
The training of the CINA-PE algorithm has been elaborated on more than 4,795 cases with a wide range of data (image, qualities, scanner makes, protocols, PE characteristics, etc.).

Robust Validation System

CINA-PE detection capability was validated using data from 396 cases conducted with datas coming from more than 230 US Cities across 43 US States.

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

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



CINA CHEST, medical images analysis software, is a medical device manufactured Avicenna.AI. This medical device is reserved for health professionals. This software has been designed and manufactured according to the EN ISO 13485 Quality Management System. Read the instructions in the notice carefully before any use.
Instructions for Use are available on https://avicenna.ai/
Manufacturer: Avicenna.AI (France).
Medical devices Class I following European Medical Device Directive 93/42/CEE.
Medical devices Class II following the Code of Federal Regulations of the United States of America 21CFR on Medical Devices.

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.

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

https://avicenna.ai