



## **DETECT ABNORMALITIES FASTER THAN EVER**

# PE Assist: Al Device for Pulmonary Embolism Detection

PE Assist is a deep-learning-based software device that analyzes CT Pulmonary Angiography scans for signs of pulmonary embolism (PE) with high accuracy. It is capable of detecting PE with an overall accuracy upto 85%. Additionally, it can measure the RV LV ratio to detect Right Heart Strain, aiding physicians in assessing the severity and planning treatment. It generates a preliminary report, ready for refinement by the radiologist, streamlining the reporting process for maximum efficiency.

#### **INTEGRATION**

RIS

**PACS** 

Al marketplace or distribution platform

#### **DEPLOYMENT**

- On-Premise
- Cloud based
- Hybrid Solution

**Subspeciality:** Chest

**Modality:** Computed Tomography (CT)

Pathology targeted: Pulmonary Embolism &

Right Heart Strain

Input: CT Pulmonary Angiography (CTPA)

**Input format: DICOM** 

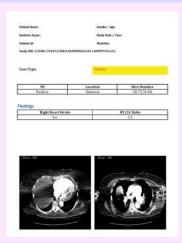
**Processing time:** 1 - 10mins

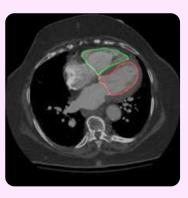
Output: Triage notification, worklist highlight,

binary assessment of presence or absence, segmentation overlay, draft radiology report.

Output format: DOC,PDF, DICOM secondary capture,

JSON, HL7, DICOM Structured Report (SR)







#### **Detection**

Pulmonary Embolism detection, Right Heart Strain detection worklist prioritization, report generation.



Adapting worklist order, flagging acute findings



### Support

Interactive decision support (shows abnormalities/results only on demand), report suggestion

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