

DETECT ABNORMALITIES FASTER THAN EVER

PE Assist: AI 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**
- AI marketplace or distribution platform**

DEPLOYMENT

- **On-Premise**
- **Cloud based**
- **Hybrid Solution**

Subspecialty: 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)



PE	Location	Area Number
Positive	Subsegmental	55-75, 76-80

Findings	RV/LV Ratio
Right Heart Strain	1.1



Detection

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



Suggestion

Adapting worklist order, flagging acute findings



Support

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

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