CT PULMONARY EMBOLISM

GE Revolution

SELECT RADIOLOGY SOLUTIONS
A Division of Radiology Imaging Associates

Approval: E. Alvarez, MD rev:1 8/2025

INDICATION	R/O pulmonary embolism
POSITION / LANDMARK	Supine / Chin
START/END LOCATIONS	Lung apex through lungs
CONTRAST PARAMETERS	100cc, 4cc per sec
RESPIRATORY PHASE	Inspiration
SCAN DELAY	SMART prep track in pulmonary artery
SCAN TYPE	Helical

KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
120	Smart mA 100-560	0.5	0.984:1	39.37	27		

TECHNIQUE	Using automated exposure control and adjustment of the mA and/or kV according to patient size, radiation dose to be kept as low as reasonably achievable to obtain optimal diagnostic quality images.

Scans

Series #	Series	Body Part	DFOV	Thick/Space	Algorithm	Notes
1	Loc					AP/Lat
2	Source data	Chest	See note	2.5x2.5	STND	FOV to cover bilateral axilla area

Recons

Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes
2	AX	Chest	1.25x0.625	STND		
2	AX	Chest	5x5	Lung	2000/400	

*Please note, recons are displayed as thickness X spacing

AX STND 1.25x0.625	COR	Chest	2x2	STND		
AX STND 1.25x0.625	SAG	Chest	2x2	STND		

2D / 3D Processing

Source: Axial with 2x2 standard window and Axial with 5x5 Lung window to make:

1. Coronal 2x2
2. Sagittal 2x2
3. PE FAN - MIP rotation from AX STND 1.25x0.625 – rotate 360 with 36 images

Series required in PACS

Loc, Dose Report, Source data, ALL recons, ALL 3D recons

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing