CTA PULMONARY EMBOLISM

GE Revolution

Approval: M. Gange, MD rev:2 6/12/2026

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	30%	

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	2.0x2.0	STND	FOV to cover bilateral axilla area

Recons

Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes
2	AX	Chest	2x2	Lung	2000/-400	FOV to cover bilateral axilla area
2	COR	Chest	2x2	STND	400/40	
2	SAG	Chest	2x2	STND	400/40	

*Please note, recons are displayed as thickness X spacing

2	AX MIP	Chest	10x2	Lung	2000/-400	
2	PE FAN	Chest	2 degree angle/40mm thickness	Lung	2000/-400	

2D / 3D Processing

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