CTA CHEST

GE Revolution

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

INDICATION	TAA
POSITION / LANDMARK	Supine / Chin
START/END LOCATIONS	Above apex through lungs
CONTRAST PARAMETERS	50cc, 4cc per sec
RESPIRATORY PHASE	Inspiration
SCAN DELAY	SMART PREP tracker @ aortic arch – ascending aorta
SCAN TYPE	Helical

KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
120	Smart mA 50-560	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	2x2	STND	Adjust FOV to include bilateral axilla region

Recons

Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes
2	AX	Chest	5x5	Lung	2000/400	Adjust FOV to include bilateral axilla region
2	COR	Chest	2x2	STND		
2	SAG	Chest	2x2	STND		Oblique to aorta

*Please note, recons are displayed as thickness X spacing

2D / 3D Processing

Source: Axial with 2x2 standard window

1. MIP and VR rotation – 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