CT LOW DOSE LUNG

GE Revolution

SELECT RADIOLOGY SOLUTIONS
A Division of Radiology Imaging Associates

Approval: M. Gange, DO rev:2 2/12/2026

INDICATION	Lung cancer screening
POSITION / LANDMARK	Supine / Chin
START/END LOCATIONS	Above apex through lungs, Caudal cranial
CONTRAST PARAMETERS	na
RESPIRATORY PHASE	Inspiration
SCAN DELAY	na
SCAN TYPE	Helical

	KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
	120	**110-155 lbs 40** **155-200 LBS 70** **200-255 LBS 100**	0.5	0.984:1	39.37			

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 wo	Chest	See note	5x5	STND	FOV open to cover bilateral axilla for all series

Recons

Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes
2	AX	Chest	5x5	Mediastinum		
2	AX	Chest	1x1	Lung	2000/ -400	

*Please note, recons are displayed as thickness X spacing

2	SAG	Chest	3x3	Mediastinum		
2	COR	Chest	3x3	Mediastinum		
2	AX	Chest	10x2	Lung	2000/ -400	MIP
2D / 3D Processing						
Series required in PACS						
Loc, Dose Report, Source data, ALL recons						

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing