



CT THORACIC SPINE without GE Revolution

Approval: E. Alvarez, MD

rev:1

8/2025

INDICATION		Back pain						
POSITION / LANDMARK		Supine / Chin						
START/END LOCATIONS		Pedicle of C7 through the pedicle of L1						
CONTRAST PARAMETERS		na						
RESPIRATORY PHASE		na						
SCAN DELAY		na						
SCAN TYPE		Helical						
	KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
	120	Smart mA 100-560	0.8	0.984:1	39.37	15.7		
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	T spine	21.5	2.5x2.5	Bone	FOV can be adjusted to only include spine		
Recons								
Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes		
2	AX	T spine	2.5x2.5	STND	400/40			
2	AX	T spine	1.25x0.625	Bone		Do not send to PACS, use for recons		
2	SAG	T spine	2x2	Bone	3500/800			
2	COR	T spine	2x2	Bone	3500/800			

*Please note, recons are displayed as thickness X spacing



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2D / 3D Processing						
Series required in PACS						
Loc, Dose Report, Source data, ALL recons except 1.25x0.625 AX						

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing