

INDICATION		Back pain						
POSITION / LANDMARK		Supine / Apex T1						
START/END LOCATIONS		Pedicle of C7 through the pedicle of L1						
CONTRAST PARAMETERS		50cc Isovue 300, hand inject						
RESPIRATORY PHASE		na						
SCAN DELAY		60 sec						
SCAN TYPE		Helical						
	KV	mA	Rot Time (sec)	Pitch	Speed (mm/rot)	Noise Index	ASiR	Dose Reduction
wo	120	Smart mA 100-560	0.8	0.984:1	39.37	15.7		
w	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	without		
3	Source data	T spine	21.5	2.5x2.5	Bone	with		
Recons								
Recon source Series #	Recon	Body Part	Thick / Space	Algorithm	W/L	Notes		
2	AX	T spine	2.5x2.5	STND	400/40	without		
2	AX	T spine	1.25x0.625	Bone		Do not send to PACS, use for recons		
2	SAG	T spine	2x2	Bone	3500/800	without		

*Please note, recons are displayed as thickness X spacing



CT THORACIC SPINE with and without

GE Revolution

Approval: E. Alvarez, MD

rev:1

8/2025

2	COR	T spine	2x2	Bone	3500/800	without
3	AX	T spine	2.5x2.5	STND	400/40	with
3	AX	T spine	1.25x0.625	Bone		Do not send to PACS, use for recons
3	SAG	T spine	2x2	Bone	3500/800	with
3	COR	T spine	2x2	Bone	3500/800	with
2D / 3D Processing						
Series required in PACS						
Loc, Dose Report, Source data, ALL recons except AX 1.25x0.625 series						

ADDITIONAL INSTRUCTIONS:

*Please note, recons are displayed as thickness X spacing