

THORACIC SPINE					
Protocol to Use	7.5 Trauma T/S				
HDI/VDI					
Patient position:	Supine Feet First				
Exam specific instructions:	Add curved coronal if patient position is not in plane, tech to decide (1.25x1.25 Bone)				
Indication:	Trauma, back pain, known fracture, osteomyelitis				
Notes:	If contrast is requested, please ensure a mylogram is not intended. If contrast is needed, timing should be 70-90 seconds				
CONTRAST:	Oral:	None			
	IV:	None			
 SERIES 1: Dual Scout	GE kV/ mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	SN S60/I450	S60/I450			
 SERIES 2: Scan craniocaudal from above C7 through L1					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical			
Detector Config	40mm	40mm			
Rotation	0.5	0.5			
Pitch/Speed	0.984/39.37	0.984/39.37			
SFOV	Large Body	Large Body			
kV	120	120			
mA Range	100-560	100-560			
NI	21.45	34.65			
Prep Group	N/A	N/A			
DFOV (cm)	24	20			
% Dose Reduction	50	50			
ASIR %	50	50			
CTDI (mGy)	12.17	16.22			
XR29 Dose Notification (mGy)	50	50			

	RECON1	RECON 2	RECON 3	REFORMAT 1	REFORMAT 2
Series Descripton	Axial Bone	Axial ST	Thin Bone	Sagittal Bone	Coronal Bone
Type	Axial Bone	Axial	Axial	Sagittal	Coronal
Start	Above C7	Above C7	Above C7	Left	Anterior
End	L2	L2	L2	Right	Posterior
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Left to Right	Ant to Post
Filter	Standard	Standard	Bone Plus	Bone Plus	Bone Plus
Windowing	C300/W2000	C40/W350	C300/W2000	C300/W2000	C300/W2000
Render Mode	Bone Plus	Average	Average	Average	Average
Slice (mm)	1.25	2.5	0.625	1.25	1.25
Increment (mm)	1.25	2.5	0.625	1.25	1.25
FOV (mm)	20	20	20	20	20

	RECON 4	REFORMAT 3	REFORMAT 4	RECON 9 - If needed	RECON 10 - If needed
Series Descripton	Thin ST	Sagittal ST	Coronal ST	MAR ST	MAR Bone
Type	Axial	Sagittal	Coronal	Axial	Axial

Start	Above C7	Left	Anterior	Above C7	Above C7
End	L2	Right	Posterior	L2	L2
Image Order	Craniocaudal	Left to Right	Ant to Post	Craniocaudal	Craniocaudal
Filter	Standard	Standard	Standard	Standard	Bone
Windowing	C40/W350	C40/W350	C40/W350	C40/W400	C350/W2000
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	0.625	2.5	2.5	2.5	2.5
Increment (mm)	0.625	2.5	2.5	2.5	2.5
FOV (mm)	20	20	20	20	20

Send to PACs
Approving Radiologist / Review Date: Dr. Praveen Rao 10/26/2023