

CERVICAL SPINE					
Protocol to Use	C Spine				
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:	OLY: only add obliques if MR contraindicated or if indication is for degenerative disease or one sided impact Add curved coronal if patient position is not in plane, tech to decide (1.25x1.25 Bone).				
Indication:	Trauma, neck pain, arm pain, radiculopathy, myelopathy				
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
	OM S50/I200	S50/I200			S270/I100
 SERIES 2: Scan craniocaudal from above skull base to mid T2					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical			Helical
Detector Config	40mm	40mm			40mm
Rotation	0.5	0.5			0.5
Pitch/Speed	.984/39.37	0.984/39.37			0.984/39.6
SFOV	Small Body	Small Body			SY
kV	120	120			12
mA Range	50-560	50-560			100-560
NI	12.22	17.28			12.6
Prep Group	N/A	N/A			N/A
DFOV (cm)	20	20			12
% Dose Reduction	40	40			40
ASIR %	40	40			40
CTDI (mGy)	12.58	11.61			12.96
XR29 Dose Notification (mGy)	30	30			30

	RECON 1	RECON 2	RECON 3	RECON 3	RECON 4
Series Descripton	Axial ST	Axial Bone	Angled Axial Bone	Lung	Thin ST
Type	Axial	Axial	Angled Axial	Axial	Axial
Start	Above Skull Base	Above Skull Base	Above Skull Base	Apicies	Above Skull Base
End	Mid T2	Mid T2	Mid T2	Mid T2	Mid T2
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Bone Plus	Bone Plus	Lung	Standard
Windowing	C40/W350	C350/W2000	C350/W2000	C-500/W2000	C40/W350
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	2.5	1.25	1.25	2.5	0.625
Increment (mm)	2.5	1.25	1.25	2.5	0.625
FOV (mm)	20	20	20	30	20

	REFORMAT 1	RECON 5	REFORMAT 2	REFORMAT 3
Series Descripton	Sagittal ST	Thin Bone	Sagittal Bone	Coronal Bone
Type	Sagittal	Axial	Sagittal	Coronal

Start	Left	Above Skull Base	Left	Anterior
End	Right	Mid T2	Right	Posterior
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Bone Plus	Bone Plus	Bone Plus
Windowing	C40/W350	C350/W2000	C350/W2000	C350/W2000
Render Mode	Average	Average	Average	Average
Slice (mm)	2.5	0.625	1.25	1.25
Increment (mm)	2.5	0.625	1.25	1.25
FOV (mm)	20	20	20	20

	RECON 9 - If needed	RECON 10 - If needed
Series Descripton	MAR Bone	MAR
Type	Axial	Axial
Start	Above Skull Base	Above Skull Base
End	Mid T2	Mid T2
Image Order	Craniocaudal	Craniocaudal
Filter	Bone Plus	Standard
Windowing	C350/W2000	C40/W350
Render Mode	Average	Average
Slice (mm)	1.25	2.5
Increment (mm)	1.25	2.5
FOV (mm)	20	20

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