

LUMBAR SPINE					
Protocol to Use	7.1 LUMBAR NRB				
HDI/VDI					
Patient position:	Supine Feet First				
Exam specific instructions:	Scan mid-T11 through S2 Angled axials each disc for Oly only - not necessary for fracture follow up or trauma				
Indication:	Trauma, back pain, known fracture, osteomyelitis				
Notes:	Include soft tissue MAR if infection is indicated and hardware is present 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
					S200/I150
 SERIES 2: Scan craniocaudal from above T1 through S2					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical			Helical
Detector Config	40mm	40mm			40mm
Rotation	0.5	0.5			20
Pitch/Speed	0.984/39.37	0.984/39.37			20
SFOV	Large Body	Large Body			
kV	120	120			120
mA Range	100-560	100-560			
NI	22.43	34.65			20
Prep Group	N/A	N/A			
DFOV (cm)	36	20			16
% Dose Reduction	40	50			40
ASIR %	20	50			40
CTDI (mGy)	33.37	16.22			14.82
XR29 Dose Notification (mGy)	30	50			

	RECON 1	RECON 2	RECON 3	RECON 4	RECON 9 - If needed
Series Descripton	Axial NRB	Axial ST	Axial Bone	Thin ST	MAR ST
Type	Axial	Axial	Axial	Axial	Axial
Start	Above C7	Above C7	Above C7	Above C7	Above C7
End	L2	L2	L2	L2	L2
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Standard	Bone Plus	Standard	Standard
Windowing	C40/W400	C40/W350	C300/W2000	C40/W350	C40/W400
Render Mode	Standard	Average	Average	Average	Average
Slice (mm)	2.5	2.5	1.25	0.625	2.5
Increment (mm)	2.5	2.5	1.25	0.625	2.5
FOV (mm)	20	20	20	20	Axial

	RECON 10 - If needed
Series Descripton	MAR Bone
Type	Axial

Start	Above C7
End	L2
Image Order	Craniocaudal
Filter	Bone
Windowing	C350/W2000
Render Mode	Average
Slice (mm)	2.5
Increment (mm)	2.5
FOV (mm)	30

Send to PACs
Approving Radiologist / Review Date