

CTDI: 0-4yr: ≤ 15mGy 5-16: ≤30mGy Adult:15-30mGy

PT Positioning:

- If no trauma, tilt the patient’s head so that a line connecting the lateral canthus of the eye and the EAC is perpendicular to the CT tabletop.
- Do not flex or extend the neck if there has been trauma or if the patient is in a C-collar.
- Retract shoulders as much as possible.

Scan Parameters:

- Start scan just below T1 through the entire cervical spine.

Setup: Supine, LAT scout from T3 through the sella

DFOV: Appropriate for the patient’s body habitus. (ACR states range 9-14cm)

PACS SERIES

1. SCOUT & DOSE REPORT
2. BONE AXL 1 x 1
3. ST AXL 1 x 1
4. BONE COR 1 X 1
5. BONE SAG 1 X 1
6. ST COR 2 X 1
7. ST SAG 2 X 1

Acquisition Parameters

<u>0-40 lbs</u>		<u>40-110lb</u>		110lb +/-Adult	
Scan Type	Spiral	Scan Type	Spiral	Scan Type	Spiral
Pitch	1.2	Pitch	1.2	Pitch	0.8
Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6
Slice Thickness	1.0	Slice Thickness	1.0	Slice Thickness	1.0
Rotation Time	0.33	Rotation Time	0.33	Rotation Time	0.5/1.0
Care Dose	on	Care Dose	on	Care Dose	on
Care kV	off	Care kV	on	Care kV	on
Dose Optimization	5	Dose Optimization	5	Dose Optimization	5
Quality Ref mAs	100	Quality Ref mAs	165	Quality Ref mAs	231
Ref kV	120	Ref kV	120	Ref kV	120

Reconstruction Parameters

Recon 1 Bone Axial	
Kernel	Br57
ADMIRE	none
Window	Osteo 1500 450
Slice Thickness	1 x 1
Recon 2 ST Axial	
Kernel	Br38
ADMIRE	2
Window	Spine 350 40
Slice Thickness	1 x 1
Recon 3 Coronal Bone	Recon 4 Sagittal Bone
Kernel: Br57	Kernel: Br57
ADMIRE: none	ADMIRE: none
Window: Osteo 1500 450	Window: Osteo 1500 450
Slice Thickness 1 x 1	Slice Thickness 1 x 1
Recon 5 Coronal ST	Recon 6 Sagittal ST
Kernel: Br38	Kernel: Br38
ADMIRE: 3	ADMIRE: 3
Window: Spine 350 40	Window: Spine 350 40
Slice Thickness: 2 x 1	Slice Thickness: 2 x 1