

CTDI: 0-4yr: ≤ 15mGy 5-16: ≤30mGy

PT Positioning:

- Scan head first, supine
- Both arms should be *DOWN BY SIDE (per Dana)*.
- Patient must be completely straight and as flat as possible
- Can put knee cushion under knees

Scan Parameters:

• Start scan 2 levels above area of interest to 2 levels below area of interest. You do not need to scan the whole spine.

Setup: Supine, AP & LAT scout. Scan entire area of interest.

DFOV: Nominal- 200mm; max accepted 250mm, Cor and Sag can be coned in

PACS SERIES

1. SCOUT & DOSE REPORT
2. BONE AXL 0.6 X 0.6
3. ST AXL 1 x 1
4. BONE COR 1 x 1
5. BONE SAG 1 x 1
6. ST COR 1 x 1
7. ST SAG 1 x 1

3D Tumble and 360 (add 3D charge in centrality)

Notes:

If T & L SP, send Bone Axial to Thoracic study to be burned, and send everything to Lumbar study for rads.

*****Email or Voalte Morgan Wright or Dana Joyce in CT at DCMC to notify them when you have a study completed. They will coordinate having a CD burned and picked up by the referring at main campus.**

Acquisition Parameters

<u>40-110lb “pedi body type”</u>		110lb +/-Adult “adult body type”		BMI 35-40+/-Adult	
Scan Type	Spiral	Scan Type	Spiral	Scan Type	Spiral
Pitch	0.8	Pitch	0.8	Pitch	0.8
Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6
Slice Thickness	0.6	Slice Thickness	0.6	Slice Thickness	0.6
Rotation Time	0.5	Rotation Time	0.5	Rotation Time	0.5
Care Dose	OFF	Care Dose	OFF	Care Dose	OFF
Care kV	OFF	Care kV	OFF	Care kV	OFF
mAs	110	mAs	130	mAs	200
kV	120	kV	130	Ref kV	140

Reconstruction Parameters

Recon 1 Bone Axial	
Kernel	Bv58
ADMIRE	none
Window	Osteo 1500 450
Slice Thickness	0.6 x 0.6
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: 1 x 1	Slice Thickness: 1 x 1