

CTDI: 0-4yr: ≤ 20mGy 5-14: ≤35mGy 15+ ≤ 65mGy

PT Positioning:

- If possible, 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.

Scan Parameters:

- Start scan from below the mandible through the top of the head
- Scan from C2 through top of head for trauma head scans
 - 5 minute delay for W contrast

Setup: LAT scout from below the mandible through the top of the head

DFOV: Appropriate for patient’s body habitus. ≤ 25 cm

PACS SERIES

1. SCOUT & DOSE REPORT
2. BRAIN AX 3x3
3. BONE AX 1.5 X1.5
4. BONE COR 1.5 x1.5
5. BONE SAG 1.5 x1.5
6. BRAIN COR 3x3
7. BRAIN SAG 3x3
8. MIPS FOR REFORMAT: 6 VIEW MIPS (6yr old and under)

Acquisition Parameters

<u>Pedi 0-6 yr old</u>		<u>Pedi 7-14 yrs</u>	
Scan Type	Spiral	Scan Type	Spiral
Pitch	0.95	Pitch	0.95
Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6
Slice Thickness	3.0	Slice Thickness	3.0
Rotation Time	0.33	Rotation Time	0.5
Care Dose	on	Care Dose	on
Care kV	on	Care kV	on
Dose Optimization	3	Dose Optimization	3
Quality Ref mAs	300	Quality Ref mAs	225
Ref kV	100	Ref kV	120

Reconstruction Parameters

Recon 1 Brain Axial	
Kernel	Hp38 (0-18mon)/ Hf38
ADMIRE	2
Window	Baby Brain 120 30
Slice Thickness	3.0 x 3.0
Recon 2 Axial Bone	
Kernel	Hr56
ADMIRE	none
Window	Bone Dell 3000 500
Slice Thickness	1.5 x 1.5
Recon 3 Coronal Bone	Recon 4 Sagittal Bone
Kernel: Hr56	Kernel: Hr56
ADMIRE: none	ADMIRE: none
Window: Coronal Bone Dell 3000 500	Window: Coronal Bone Dell 3000 500
Slice Thickness: 1.5 x 1.5	Slice Thickness: 1.5 x 1.5
Recon 3 Coronal Brain	Recon 4 Sagittal Brain
Kernel: Hp38 (0-18mon)/ Hf38	Kernel: Hp38 (0-18mon)/ Hf38
ADMIRE: 2	ADMIRE: 2
Window: Baby Brain 120 30	Window: Baby Brain 120 30
Slice Thickness 3 x 3	Slice Thickness 3 x 3
Recon 6 Reformat for MIPS	
Kernel	Hp38 (0-18mon)/ Hr38
ADMIRE	3
Window	Soft tissue 400 40
Slice Thickness	0.6 x 0.3