

CTDI: 0-4yr: ≤ 15mGy 5-16: ≤25mGy

**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
- If W contrast- 60 second delay from start of injection of contrast

Setup: LAT scout from below the mandible through the top of the head  
DFOV: 25 cm

**PACS SERIES**

1. SCOUT & DOSE REPORT
2. BRAIN AX 3X3
3. BONE AX 1.5 X1.5
4. ST AX 1.5 X1.5
5. BONE COR 1 X 1
6. BONE SAG 1 X 1
7. ST COR 1 X 1
8. ST SAG 1 X 1

MIPS FOR REFORMAT: 6 VIEW MIPS OF HEAD only (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	0.85	Pitch	0.85
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	5	Dose Optimization	5
Quality Ref mAs	595	Quality Ref mAs	225
Ref kV	100	Ref kV	120

## Reconstruction Parameters

<b>Recon 1 ST Axial</b>	
<b>Kernel</b>	<b>Hr38</b>
<b>ADMIRE</b>	<b>2</b>
<b>Window</b>	<b>Soft Tissue 400 40</b>
<b>Slice Thickness</b>	<b>1.5 x 1.5</b>
<b>Recon 2 Bone Axial</b>	
<b>Kernel</b>	<b>Hr56</b>
<b>ADMIRE</b>	<b>none</b>
<b>Window</b>	<b>Bone Dell 3000 500</b>
<b>Slice Thickness</b>	<b>1.5 x 1.5</b>
<b>Recon 3 Brain Axial</b>	
<b>Kernel</b>	<b>Hr40</b>
<b>ADMIRE</b>	<b>2</b>
<b>Window</b>	<b>Baby Brain 120 x 30</b>
<b>Slice Thickness</b>	<b>3 x 3</b>
<b>Recon 4 Coronal ST</b>	<b>Recon 5 Sagittal ST</b>
<b>Kernel: Hr38</b>	<b>Kernel: Hr38</b>
<b>ADMIRE: 3</b>	<b>ADMIRE: 3</b>
<b>Window: Soft Tissue 400 40</b>	<b>Window: Soft Tissue 400 40</b>
<b>Slice Thickness: 1.0 x 1.0</b>	<b>Slice Thickness: 1.0 x 1.0</b>
<b>Recon 6 Coronal Bone</b>	<b>Recon 7 Sagittal Bone</b>
<b>Kernel: Hr56</b>	<b>Kernel: Hr56</b>
<b>ADMIRE: none</b>	<b>ADMIRE: none</b>
<b>Window: Bone Dell 3000 500</b>	<b>Window: Bone Dell 3000 500</b>
<b>Slice Thickness 1 x 1</b>	<b>Slice Thickness 1 x 1</b>
<b>Recon 8 Reformat for MIPS</b>	
<b>Kernel</b>	<b>Hr38</b>
<b>ADMIRE</b>	<b>3</b>
<b>Window</b>	<b>Soft tissue 400 40</b>
<b>Slice Thickness</b>	<b>0.6 x 0.3</b>