

PROTOCOL REVIEW 2025 02/df  
Approval Imaging Council February 2025

**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:**

- Scan inferior to the skull base and scan through mastoid air cells
- Scan delay 60 seconds after start of contrast.

**Setup: Supine, AP and LAT scout, no gantry tilt**

**DFOV: Preferred 15cm (range 14-22cm)**

**PACS SERIES**

1. SCOUT & DOSE REPORT
2. BONE AXL 0.6 x 0.6
3. ST AXL 1X1
4. BILAT BONE COR 0.6 x 0.6
5. RT MAG AXL BONE 0.6 x 0.6
6. LT MAG AXL BONE 0.6 x 0.6
7. RT MAG COR BONE 0.6 x 0.6
8. LT MAG COR BONE 0.6 x 0.6
9. BILAT ST COR 1 X 1

For hearing loss only:

10. RT COR OBL 0.6 x 0.6
11. RT SAG OBL 0.6 x 0.6
12. LT COR OBL 0.6 x 0.6
13. LT SAG OBL 0.6 x 0.6

(Reformat in 3D card or can delete sent boxes, and set up obliques in the scan. Presets set up in 3D card.)

**Acquisition Parameters**

<u>Pedi 0-6 yr old</u>		<u>Pedi 7-14 yrs</u>	
Scan Type	Spiral	Scan Type	Spiral
Pitch	0.8	Pitch	0.8
Detector Configuration	128 x 0.6	Detector Configuration	128 x 0.6
Slice Thickness	0.6	Slice Thickness	0.6
Rotation Time	1.0	Rotation Time	1.0
Care Dose	on	Care Dose	on
Care kV	on	Care kV	semi
Dose Optimization	5	Dose Optimization	5
Quality Ref mAs	180	Quality Ref mAs	180
Ref kV	120	Ref kV	120

**Reconstruction Parameters**

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<b>Recon 1 Bone Axial</b>	
<b>Kernel</b>	<b>Hr68</b>
<b>ADMIRE</b>	<b>1</b>
<b>Window</b>	<b>Inner Ear 4000 700</b>
<b>Slice Thickness</b>	<b>0.6 x 0.6</b>
<b>Recon 2 Soft Tissue Axial</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>1X1</b>
<b>Recon 3 BILAT BONE COR</b>	<b>Recon 4&amp;5 MAG BONE AXL</b>
<b>Kernel: Hr68</b>	<b>Kernel: Hr68</b>
<b>ADMIRE: 1</b>	<b>ADMIRE: 1</b>
<b>Window: Inner Ear 4000 700</b>	<b>Window: Inner Ear 4000 700</b>
<b>Slice Thickness: 0.6 x 0.6</b>	<b>Slice Thickness: 0.6 X 0.6</b>
<b>Recon 6&amp;7 MAG COR</b>	<b>Recon 8 BILAT ST COR</b>
<b>Kernel: Hr68</b>	<b>Kernel: Hr38</b>
<b>ADMIRE: 1</b>	<b>ADMIRE: 3</b>
<b>Window: Inner Ear 4000 700</b>	<b>Window: Soft Tissue 400 40</b>
<b>Slice Thickness 0.6 X 0.6</b>	<b>Slice Thickness 1X1</b>

**For COR and SAG OBL, reformat like MAG COR images**