

**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

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

**DFOV: 25 cm**

**PACS SERIES**

1. SCOUT
2. BONE AX
3. ST AX
4. BRAIN AX
5. BONE COR 1x1
6. BONE SAG 1x1
7. ST COR 1x1
8. ST SAG 1x1
9. 6 view MIPS (under 6)
10. DOSE REPORT

**Acquisition Parameters**

<b>PT AGE</b>	0-5mo	6-18m	19m-6y	7y-14y	15+
<b>Scan Type</b>	HELICAL	HELICAL	HELICAL	HELICAL	HELICAL
<b>Scan FOV</b>	PED HEAD	PED HEAD	SM HEAD	SM HEAD	HEAD
<b>mA *Smart mA/ODM</b>	265	320	355	315	330
<b>kVp *kV assist</b>	120	120	120	120	120
<b>Pitch &amp; Speed (mm/rot)</b>	0.984:1 (140.63mm/s)	0.984:1 (112.50 mm/s)	0.984:1 (112.50 mm/s)	0.984:1 (78.75 mm/s)	0.984:1 (78.75 mm/s)
<b>Detector Coverage *Smart Coverage</b>	40mm	40mm	40mm	40mm	40mm
<b>Thick</b>	1.25mm	1.25mm	1.25mm	1.25mm	1.25mm
<b>Speed</b>	0.28	0.35	0.35	0.50	0.50

# Imaging Protocol – CT Pedi Craniofacial GE

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Approval Imaging Council January 2025

## Reconstruction Parameters

<b>RECON 1(ST AX)</b>	<b>400/40</b>
Algorithm	STND
ASIR	50%
Recon Type	HELICAL FULL
Slice Thickness	1.25
Increment	1.25
<b>RECON 2 (Bone AX)</b>	<b>3000/500</b>
Algorithm	BONE PLUS
ASIR	50%
Recon Type	HELICAL FULL
Slice Thickness	1.25
Increment	1.25
<b>RECON 3 (BONE REF)</b>	<b>3000/500</b>
Algorithm	BONE PLUS
ASIR	50%
Recon Type	PLUS
Slice Thickness	0.625
Increment	0.3125
<b>RECON 4 (ST REF)</b>	<b>400/40</b>
Algorithm	STND
ASIR	50%
Recon Type	HELICAL PLUS
Slice Thickness	0.625
Increment	0.3125