

Imaging Protocol – CT Pedi Craniofacial GE

PROTOCOL REVIEW 2026 01/df
Approval Imaging Council January 2026

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

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

Imaging Protocol – CT Pedi Craniofacial GE

PROTOCOL REVIEW 2026 01/df
Approval Imaging Council January 2026

Reconstruction Parameters

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