

Imaging Protocol – CT Pedi Low Dose Craniofacial GE

REVOLUTION 256

CTDI: 0-4yr: ≤ 2 mGy 5-16: ≤ 4 mGy 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: Appropriate for patient’s body habitus. ≤ 25 cm

PACS SERIES

1. SCOUT
2. BONE AX
3. ST AX
4. BONE COR 1x1
5. BONE SAG 1x1
6. ST COR 1x1
7. ST SAG 1x1
8. 3D - 360 AND TUMBLE VRT
9. DOSE REPORT

Acquisition Parameters

PT AGE	0-18mo	19m-6y	7y-14y	15+
Scan Type	HELICAL	HELICAL	HELICAL	HELICAL
Scan FOV	PED HEAD	SM HEAD	SM HEAD	HEAD
mA *Smart mA/ODM	35	40	60	55
kVp *kV assist	100	120	120	120
Pitch & Speed (mm/s)	0.984:1 (140.63mm/s)	0.984:1 (140.63 mm/s)	0.984:1 (112.50 mm/s)	0.984:1 (112.50 mm/s)
Detector Coverage *Smart Coverage	40mm	40mm	40mm	40mm
Thick	1.25	1.25mm	1.25mm	1.25mm
Speed	0.28	0.28	0.35	0.35

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Reconstruction Parameters

RECON 1 (ST AX)	400/40
Algorithm	STND#
ASIR	70%
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	70%
Recon Type	HELICAL PLUS
Slice Thickness	0.625
Increment	0.3125