

## PEDIATRIC CRANIOFACIAL GE REVOLUTION 256

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 6y)
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 and 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)	0.994:1 (78.75 mm/s)
Detector Coverage *Smart Coverage	40mm	40mm	40mm	40mm	40mm
Thick	1.25	1.25mm	1.25mm	1.25mm	1.25mm
Speed	0.28	0.35	0.35	0.50	0.50

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### 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

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