

PEDIATRIC HEAD GE REVOLUTION 256

CTDI: 0-4yr: $\leq 15\text{mGy}$ 5-16: $\leq 25\text{mGy}$

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

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Acquisition Parameters

PT AGE	0-5mo	6-18m	19m-6y	7y-14y	15+
Scan Type	HELICAL	HELICAL	HELICAL	HELICAL	HELICAL
Scan FOV	PED HEAD	SM HEAD	SM HEAD	HEAD	HEAD
mA *Smart mA/ODM	265	425	390	275	325
kVp *kV assist	120	120	120	120	120
Pitch and Speed (mm/rot)	0.984:1 (140.63 mm/s)	N/A	N/A	0.994:1 (78.75 mm/s)	0.994:1 (78.75 mm/s)
Detector Coverage *Smart Coverage	40mm	160mm*	160mm	40mm	40mm
Thick	1.25	2.5mm	2.5mm	2.5mm	2.5mm
Speed	0.28	0.28	0.35	0.50	0.50

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Reconstruction Parameters

RECON 1(ST AX)	400/40
Algorithm	STND
ASIR	50%
Recon Type	STND
Slice Thickness	1.25
Increment	1.25
RECON 2 (Bone AX)	3000/500
Algorithm	BONE PLUS
ASIR	50%
Recon Type	BONE PLUS
Slice Thickness	1.25
Increment	1.25
RECON 3 (Brain AX)	120/30
Algorithm	STND#
ASIR	20%
Recon Type	STND#
Slice Thickness	2.5
Increment	2.5
RECON 5 (ST REF)	400/40
Algorithm	STND
ASIR	50%
Recon Type	STND
Slice Thickness	1.25

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RECON 6 (BONE REF)	3000/500
Algorithm	Bone Plus
ASIR	50%
Recon Type	PLUS
Slice Thickness	0.625z
Increment	1.25