

IMAGING PROTOCOL – CT DCN PEDI LOW DOSE CRANIOFACIAL SIEMENS EDGE+128

(Exams ordered as Head and Face low dose “for craniosynostosis” or “Kelly Protocol”= CTFS)

Make sure to charge 28301545 CT 3D Rendering W Post Processing

CTDI: 0-4yr: ≤ 5 mGy 5-16: ≤ 10 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 & DOSE REPORT**
- 2. BONE AX 1X1**
- 3. ST AX 1X1**
- 4. BONE COR 1x1**
- 5. BONE SAG 1x1**
- 6. ST COR 1x1**
- 7. ST SAG 1x1**
- 8. 3D: 360 AND TUMBLE VRT**

Acquisition Parameters

Scan Type	Spiral
Pitch	1.0
Detector Configuration	128 x 0.6
Slice Thickness	1.0
Rotation Time	0.5
Care Dose	on
Care kV	on
Dose Optimization	5
Quality Ref mAs	50
Ref kVp under 6yr old	100
Ref kVp 7 yr old +	120
FOV	220

Reconstruction Parameters

Recon 1 Soft Tissue	
Kernel	Hr38
ADMIRE	2
Window	Soft tissue 400 40
Slice Thickness	1.0 x 1.0
Recon 2 Axial Bone	
Kernel	Hr56
ADMIRE	none
Window	Bone Dell 3000 500
Slice Thickness	1.0 x 1.0
Recon 3 Coronal Bone	
Kernel	Hr56
ADMIRE	none
Window	Coronal Bone Dell 3000 500
Slice Thickness	1.0 x 1.0
Recon 4 Sagittal Bone	
Kernel	Hr56
ADMIRE	none
Window	Coronal Bone Dell 3000 500
Slice Thickness	1.0 x 1.0
Recon 6 Reformat for 3D	
Kernel	Hr38
ADMIRE	3
Window	Soft tissue 400 40
Slice Thickness	0.6 x 0.3