

PEDIATRIC HEAD (AGE 14-18)

Protocol Title					
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:	See general pediatric imaging guidelines Job Aide for questions/guidance If W Contrast ordered, refer to pediatric contrast guidelines posted on SharePoint				
Indication:	Trauma, congenital abnormality, hydrocephalus, tumor, seizure, infection, change in mental status, concussion, headaches, vision changes, fainting, subdural hematoma, speech changes				
Notes:					
CONTRAST:	Oral:	None			
	IV:	None			
SERIES 1: Lateral Scout	GE 120kV/10mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
		OM S120/I50			
SERIES 2: Scan caudalcranal from base of skull through vertex of the head					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical			
Detector Config	20mm	20mm			
Rotation	0.5	0.5			
Pitch/Speed	0.531/10.62	0.562/10.62			
SFOV	Ped Head	Ped Head			
kV	120	120			
mA Range	100-220	100-220			
NI	8	8			
Prep Group	N/A	N/A			
DFOV	22cm	22cm			
% Dose Reduction	30	30			
ASIR %	40	40			
CTDI Range (mGy)					
XR29 Dose Notification (mGy)	30	30			

	SERIES 1	SERIES 2	SERIES 3	SERIES 3	SERIES 4
Series Descripton	Axial STD	Axial Thins	Axial Bone	Coronal	Sagittal
Type	Axial	Axial	Axial	Coronal	Sagittal
Start	Skull Base	Skull Base	Skull Base		
End	Skull Vertex	Skull Vertex	Skull Vertex		
Angle	0	0	0		
Image Order	Caudocranial	Caudocranial	Caudocranial		
Filter	Standard	Standard	Bone	Standard	Standard
Windowing	C40/W80	C40/W80	C600/W3400		
Render Mode	Average	Average	Average	Average	Average
Slice	2.5	1.25	1.25	2.5	2.5
Increment	2.5	1.25	1.25	2.5	2.5
FOV in mm	200	200	200	200	200

Send to PACs

Approving Radiologist / Review Date