

PEDIATRIC HEAD WO (AGE 0-15)					
Protocol Title	Pediatric Head CT WO (Routine)				
HDI/VDI	All				
Patient position:	Supine Head First				
Exam specific instructions:	See general pediatric imaging guidelines Job Aide for questions/guidance First time scan <2 years old or trauma, do 3D skull reformats				
Indication:	Trauma, congenital abnormality, hydrocephalus, tumor, seizure, infection				
Notes:					
CONTRAST:	Oral:	None			
	IV:	None (unless indicated, then refer to pediatric contrast guidelines on SharePoint)			
 SERIES 1: Lateral Scout	GE 80kV/10mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	OM S120/I50	OM S120/I50	OM S120/I50		
 SERIES 2: Scan caudocranial 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	Helical	Helical	
Detector Config	20mm	20mm	20mm	40mm	
Rotation	0.5	0.5	0.5	0.5	
Pitch/Speed	0.531/10.62	0.531/10.62	0.531/10.62	0.531/10.62	
SFOV	Ped head	Ped Head	Ped Head	Ped Head	
kV	120	120	120	120	
mA Range	100-200	100-200	100-200		
NI	6	6	6	6	
Prep Group	NA	N/A	N/A	N/A	
DFOV	22	22	22	22	
% Dose Reduction	30	30	30		
ASIR %	40	40	40		
CTDI Range (mGy)		12.55 (fixed)			
XR29 Dose Notification (mGy)	30	30	30	30	

	Recon1 - 0.625	SERIES 2	RECON 1	SERIES 3	SERIES 4
Series Descripton	Axial Brain	Axial Bone	Angled Axial	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	Bone	Standard	Standard	Standard
Windowing	C40/W80	C600/W3400	C40/W80		
Render Mode	Average	Average	Average	Average	Average
Slice	0.625mm	1.25	3	2.5	2.5
Increment	0.625mm	1.25	3	2.5	2.5
FOV in mm	200	200	200	200	200

Send to PACs

Approving Radiologist / Review Date