

HEAD W/					
Protocol to Use	1.10 Helical Head				
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:	Scan 4 min after contrast injection to allow contrast to cross blood-brain barrier				
Indication:	Tumor, infection, seizure, MRI contraindicated				
Notes:	PET/CT scanner cannot angle If Head WO has not been performed when Head W is ordered, route to radiologist for approval before proceeding				
CONTRAST:	Oral:	None			
	IV:	75mL *HDI - Omnipaque 350 + 20ml Saline Pre-Flush and 30ml Saline Post-Flush *VDI - Omnipaque 300 @ 2mL/sec			
 SERIES 1: Lateral Scout	120 kV/10 mA				
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER (1.2)	PET CT
	OM S150/I75	OM	OM S180/I50	OM S150/I75	OM S 150/I100
 SERIES 2: Scan caudocranial from base of skull through vertex of the head					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER	PET CT
Scan Type	Helical	Helical	Helical	Helical	Helical
Detector Config	20mm	20mm	20mm	40mm	20mm
Rotation	0.5	0.5	0.5	0.5	0.5
Pitch/Speed	0.5/10.62	.531/10.62	0.531/10.62	0.516/1	0.531/10.62
SFOV	Head	Head	Head	Head	Head
kV	120	120	120	120	120
mA Range	335	335	245	335	245
NI	N/A	N/A	N/A	N/A	N/A
Prep Group	Manual Start - 4 min	4 min	4 min	N/A	N/A
DFOV	24	24	24	24	24
% Dose Reduction	30	30	40	N/A	N/A
ASIR %	30	30	40	30	40
CTDI (mGy)	55.48	55.48	44.26	49.1	44.26
XR29 Dose Notification (mGy)	75	75	75	75	75

	RECON 1	RECON 2	RECON 3	REFORMAT 1	REFORMAT 2
Series Descripton	Axial Head w/4min delay	Axial Bone	Thins	Angled Head 5X5	Coronal Head
Type	Axial	Axial	Axial	Axial	Coronal
Start	Skull Base	Skull Base	Skull Base	Skull Base	Frontal Sinus
End	Skull Vertex	Skull Vertex	Skull Vertex	Skull Vertex	Posterior Skull
Angle	0	0	0	Angled to OM	Perpendicular to Planum Sphenoidale
Image Order	Caudocranial	Caudocranial	Caudocranial	Caudocranial	Anterior to Posterior
Filter	Standard	Bone	Standard	Standard	Standard
Windowing	C40/W80	C600/W3400	C40/W80	C40/W80	C40/W80
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	2.5	1.25	0.625	5	2.5
Increment (mm)	2.5	1.25	0.625	5	2.5
FOV in mm	24	24	24	24	24

	REFORMAT 3	RECON 9-If Needed	RECON 10-If Needed
Series Descripton	Sagittal Head	MAR ST	MAR Bone
Type	Sagittal	Axial	Axial
Start	Left	Skull Base	Skull Base
End	Right	Skull Vertex	Skull Vertex
Angle	90	0	0
Image Order	Left to Right	Caudocranial	Caudocranial
Filter	Standard	Standard	Bone
Windowing	C40/W80	C40/W400	C350/W2000
Render Mode	Average	Average	Average
Slice (mm)	2.5	2.5	2.5
Increment (mm)	2.5	2.5	2.5
FOV in mm	24	24	24

Send to PACs
Axial ST 2.5 x 2.5 Axial Bone 2.5 x 2.5 Reformat Angled Axial 5 x 5
Approving Radiologist / Review Date: Dr. Praveen Rao 3/28/2023