

TEMPORAL BONES

Protocol to Use	2.8 Temporal Bones				
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:					
Indication:	Headache, trauma, inflammatory disease, cholesteatoma, tumor, hearing loss, congenital disease				
Notes:	VDI includes POSCHL view, HDI does not include POSCHL view				
CONTRAST:	Oral:	None			
	IV:	None			
 SERIES 1: Dual Scout	GE 120 kV/10 mA				
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER (2.6)	PET CT
	OM S100/I100	OM S100/I100	OM S80/I80	OM S100/I100	
 SERIES 2: Scan craniocaudal from sella through tip of mastoid					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER	PET CT
Scan Type	Helical	Helical	Helical	Helical	
Detector Config	20mm	20mm	20mm	40mm	
Rotation	0.6	0.6	0.6	0.6	
Pitch/Speed	0.5/10.62	0.531/10.62	0.531/10.62	0.5/5	
SFOV	Head	Head	Head	Head	
kV	140	140	140	140	
mA Range	150	125	125	125	
NI	N/A	N/A	N/A	N/A	
Prep Group	N/A	N/A	N/A	N/A	
DFOV	18	18	18	18	
% Dose Reduction	0	40	40	N/A	
ASIR %	0	40	40	40	
CTDI (mGy)	41.87	34.89	37.64	30.9	
XR29 Dose Notification (mGy)	75	75	75	75	

	RECON 1	RECON 2	REFORMAT 1	REFORMAT 2	REFORMAT 3 -VDI ONLY
Series Descripton	Axial ST	Thin Bone	Coronal Bone	Sagittal Bone	POSCHL
Type	Axial	Axial	Coronal	Sagittal	POSCHL
Start	Superior to Mastoids	Superior to Mastoids	Superior to Mastoids	Superior to Mastoids	Anterior/Medial to superior semicircular canal
End	Inferior to Mastoids	Inferior to Mastoids	Inferior to Mastoids	Inferior to Mastoids	Posterior/lateral of superior seimcircular canal
Angle	Patient Dependent	0	0	0	Perpendicular to long axis of temp
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Bone Plus	Bone Plus	Bone Plus	Bone Plus
Windowing	C40/W350	C300/W2000	C300/W2000	C300/W2000	C350/W2000
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	2.5	0.625	0.625	0.625	0.6
Increment (mm)	2.5	0.625	0.625	0.625	0.5

FOV in mm	18	18	18	18	10
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	REFORMAT 4	RECON 9-If Needed	RECON 10-If Needed
Series Descripton	True Axial	MAR BONE	MAR ST
Type	Axial	Axial	Axial
Start	Superior to Mastoids	Superior to Mastoids	Superior to Mastoids
End	Inferior to Mastoids	Inferior to Mastoids	Inferior to Mastoids
Angle	Patient Depndent	0	0
Image Order	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Bone Plus	Bone	Standard
Windowing	C300/W2000	C300/W2000	C40/W350
Render Mode	Average	Average	Average
Slice (mm)	0.625	2.5	2.5
Increment (mm)	0.625	2.5	2.5
FOV in mm	18	18	18

Send to PACs
Approving Radiologist / Review Date: Dr. Praveen Rao 3/28/2023