

MAXILLOFACIAL W/					
Protocol to Use	2.5 Facial Bones				
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:	All Maxillofacial W/ include the Frontal Sinus through the Mandible				
Indication:	Infection, tumor, swelling				
Notes:	Scan after 40 second delay post contrast injection				
CONTRAST:	Oral:	None			
	IV:	75mL *HDI - Omnipaque 350 + 20ml Saline Pre-Flush and 30ml Saline Post-Flush *VDI - Omnipaque 300 @ 2mL/sec			
 SERIES 1: Dual Scout	GE 120 kV/10 mA				
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CT ES ER (2.2)	PET CT
	OM S150/I150	OM S150/I150	OM S150/I150	OM S150/I150	
 SERIES 2: Scan craniocaudal from above frontal sinus through mandible					
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	0.4	0.4	0.4	0.5	
Pitch/Speed	0.5/10.62	0.531/10.62	0.531/10.62	0.516/1	
SFOV	Head	Head	Head	Head	
kV	120	120	120	120	
mA Range	145	85	70	120	
NI	N/A	N/A	N/A	N/A	
Prep Group	N/A	40 Sec	40 Sec	40 Sec	
DFOV	18	18	18	18	
% Dose Reduction	N/A	N/A	N/A	N/A	
ASIR %	0	30	50	40	
CTDI (mGy)	19.09	11.19	10.1	17.59	
XR29 Dose Notification (mGy)	30	80	80	80	

	RECON 1	RECON 2	RECON 3	REFORMAT 1	RECON 4
Series Descripton	Axial ST	Axial Bone	Thin ST	Coronal ST	Thin Bone
Type	Axial	Axial	Axial	Coronal	Axial
Start	Above Frontal Sinus	Above Frontal Sinus	Above Frontal Sinus	Tip of Nose	Above Frontal Sinus
End	Through mandible	Through mandible	Through mandible	Though Mastoid Air Cells	Through mandible
Angle	0	0	0	Perpendicular to Hard Palate	0
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Anterior to Posterior	Craniocaudal
Filter	Standard	Bone Plus	Standard	Standard	Bone Plus
Windowing	C40/W350	C300/W2000	C40/W350	C40/W350	C300/W2500
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	2.5	1.25	0.625	2.5	0.625
Increment (mm)	2.5	1.25	0.625	2.5	0.625
FOV in mm	18	18	18	18	18

	REFORMAT 2	REFORMAT 3	REFORMAT 4- If needed	RECON 9-If Needed	RECON 10-If Needed
Series Descripton	Sagittal Bone	Coronal Bone	Obliques	MAR ST	MAR Bone
Type	Sagittal	Coronal	Obliques	Axial	Axial
Start	Left	Tip of Nose	Anterior to Mandible	Above Frontal Sinus	Above Frontal Sinus
End	Right	Though Mastoid Air Cells	Medial to body of Mandible	Through mandible	Through mandible
Angle	90	Perpendicular to Hard Palate		0	0
Image Order	Left to Right	Anterior to Posterior	Anterior to Posterior	Craniocaudal	Craniocaudal
Filter	Bone	Bone	Bone	Standard	Bone
Windowing	C300/W2000	C300/W2000	C350/W2000	C40/W350	C350/W2000
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	1.25	1.25	1.25	2.5	2.5
Increment (mm)	1.25	1.25	1.25	2.5	2.5
FOV in mm	18	18	16	18	18

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