

LANDMARX SINUS					
Protocol to Use	1.9 Landmarx Sinus				
HDI/VDI					
Patient position:	Supine Head First				
Exam specific instructions:	Must include entire nose and both ears				
Indication:	Pre-op for virtual surgery planning, radiation therapy planning				
Notes:					
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 CTS ER	PET CT
	OM S150/I150	OM	OM		
 SERIES 2: Scan craniocaudal from above frontal sinuses to below maxillary sinuses					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical		
Detector Config	20mm	20mm	20mm		
Rotation	0.5	0.5	0.5		
Pitch/Speed	0.5/10.62	0.531/10.62	0.531/10.62		
SFOV	Head	Head	Head		
kV	120	120	120		
mA	30	30	30		
NI	N/A	N/A	N/A		
Prep Group	N/A	N/A	N/A		
DFOV (cm)	12	12	12		
% Dose Reduction	40	40	40		
ASIR %	40	40	40		
CTDI (mGy)	4.94	5.4	5.4		
XR29 Dose Notification (mGy)	30	30	30		

	RECON 1	RECON 2	RECON 3	RECON 4	REFORMAT 1
Series Descripton	Axial Sinus	Landmarx	Axial ST	Thin	Coronal Bone
Type	Axial	Axial	Axial	Axial	Coronal
Start	Above Frontal Sinuses	Above Frontal Sinuses	Above Frontal Sinuses	Above Frontal Sinuses	Anterior
End	Through Maxillary Sinus	Through Maxillary Sinus	Through Maxillary Sinus	Through Maxillary Sinus	Posterior
Angle	0	0	0	0	0
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Ant to Post
Filter	Bone	Bone	Standard	Bone	Bone
Windowing	C500/W2500	C500/W2500	C40/W350	C500/W2500	C500/W2500
Render Mode	Average	Average	Average	Average	Average
Slice (mm)	1.25	1.25	2.5	0.625	1.25
Increment (mm)	1.25	1.25	2.5	0.625	1.25
FOV in mm	25	25	25	25	25

	REFORMAT 2	REFORMAT 3
Series Descripton	Sagittal Bone	Coronal ST

Type	Sagittal	Coronal
Start	Left	Anterior
End	Right	Posterior
Angle	0	0
Image Order	Left to Right	Ant to Post
Filter	Bone	Standard
Windowing	C500/W2500	C40/W350
Render Mode	Average	Average
Slice (mm)	1.25	2.5
Increment (mm)	1.25	2.5
FOV in mm	25	25

Send to PACs
Approving Radiologist / Review Date: Dr. Praveen Rao 4/19/2024