

CT Orbits WO

Technical Parameters					
kVp:	100-120 (120kVp preferred due to the thick bone at the base of the skull)				
mAs:	Dose Modulation System (ex CARE Dose 4D, smart mA) (reference mAs 332)				
Pitch:	<1 preferred				
Collimation:	Siemens (128x0.6) GE (40mm or 80mm)				
Scan Direction:	Caudocranial				
Rotation Time:	0.5-1.0s				
Anatomic Coverage:	Adjust head so that it is straight in the head holder Scan range should cover from below the zygomatic arch through the mid forehead in the z direction				
Reconstruction Parameters:	Soft Tissue Ax	Bone Ax	Coronal	Sagittal	Thins
Slice Thickness:	2mm	2mm	3mm	3mm	1mm
Reconstruction Interval:	2mm	2mm	3mm	3mm	1mm
Reconstruction FOV:	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy	Smallest area to include relevant anatomy
Window	Siemens (Mediastinum) GE (WW 350 WL 50)	Siemens (Bone) GE (WW 1500 WL 400)	Siemens (Bone) GE (WW 1500 WL 400)	Siemens (Bone) GE (WW 1500 WL 400)	Siemens (Bone) GE (WW 1500 WL 400)
Kernel/Algorithm:	Siemens (Hr 40) GE (Standard)	Siemens (Hr 69) GE (Sharp)	Siemens (Hr 69) GE (Sharp)	Siemens (Hr 69) GE (Sharp)	Siemens (Hr 69) GE (Sharp)
Notes:	Plan the coronal localizer perpendicular to the right and left optic nerve, as shown in the image. Finally, plan the axial localizer in the coronal image and make it parallel to the right and left optic nerve.				