

CT IAC/Temporal Bone WO (Helaical)

Technical Parameters

kVp:	100-120 (120kVp preferred due to the thick bone at the base of the skull)				
mAs:	Dose Modulation System (ex CAREdose 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:	Above sella through hard palate; HEAD SFOV Tilt Gantry if possible to avoid exposure to the lens of the eye Base of the skull to the Vertex (Entire Boney Cranium)				
Reconstruction Parameters:	Soft Tissue Ax	Bone Right Axial	Bone Left Axial	Bone Coronal (Right and Left)	Bone Sagittal (Right and Left)
Slice Thickness:	1.0mm	0.5mm	0.5mm	1.0mm	1.0mm
Reconstruction Interval:	1.0mm	0.3mm	0.3mm	1.0mm	1.0mm
Reconstruction FOV:	18cm	9cm	9cm	9cm	9cm
Window	Siemens (Cerebrum) GE (WW 80 WL 40)	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:	Above sella through hard palate			MPR reformat TMG through IAC	MPR reformat Anterior to TMJ through IAC parallel to IAC