

UT Southwestern Department of Radiology

Protocol Name: CT Temporal Bone With Contrast

Orderable Name: CT TEMPORAL BONE/EAR W IV CONTRAST

Adult Only

Epic Button: Temporal Bone With

CTDIvol < 80 mGy

Indications: Mass/infection, pulsatile tinnitus

Acquisitions: 1

Active Protocol

Oral Contrast: None	IV Contrast: Link to Contrast Information	Other Contrast: None	Airway
	Rate (ml/sec): 3		
	Volume (ml): 70		
	IV Access:		
	Power injection: 20g or larger strongly preferred (if 22g use reduce rate to 2.5 mL/sec)		
	Notes:		
	Saline Test Injection: 10 sec @ injection rate		
			Other Notes No habitus specific kVp adjustment.
			Gantry tilt: angle axials parallel to supra orbital rim and the skull base.
			UT: Alpha preferred

Last Change: 1/24/2024

Last Review: 1/8/2025

Links:

Special Instructions		Do not repeat CT scan, recon soft tissue from 1st acquisition
Acq # / Series Name	1 Contrast	N/A Contrast
Phase Timing	45 seconds	N/A
Acquisition Protocol		Recon Only
Coverage	Above posterior fossa thru mastoids (all of semicircular canals)	Same
FOV	Whole head, include all ST (ears)	Same
Algorithm	Bone	Soft Tissue
Axial Recons	Volume, 0.5 mm coned down (100 mm FOV) each	2 mm, volume
Other Planar Recons	0.5 mm cor coned down (100 mm FOV) each side	2mm cor coned down (100 mm FOV) each side
MIP Recons		
†DECT Philips		
†DECT Siemens		
†PC-CT Siemens		

† When dual energy (DE) or photon counting (PC) CT is used

