

UT Southwestern Department of Radiology

Protocol Name: CT Temporal Bone Without and With Contrast

Orderable Name: CT TEMPORAL BONE/EAR W AND WO IV CONTRAST

Adult Only

Epic Button: Temporal Bone W/O & W/

CTDIvol < 80 mGy

Indications: Mass, infection, mastoiditis

Acquisitions: 2

Active Protocol

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

Last Change: 1/24/2024

Last Review: 1/24/2024

Links:

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

