

# UT Southwestern Department of Radiology

**Protocol Name:** CT Temporal Bone Without

**Orderable Name:** CT TEMPORAL BONE/EAR WO IV CONTRAST

Adult Only

**Epic Button:** Temporal Bone Without

CTDIvol < 80 mGy

**Indications:** Cholesteatoma, implants, hearing loss. Refer to semicircular dehiscence protocol (Temporal Bone Dehiscence) if applicable.

**# Acquisitions:** 1

Active Protocol

<b>Oral Contrast:</b> None	<b>IV Contrast:</b> None	<b>Other Contrast:</b> None	<b>Airway</b>
			<p><b>Other Notes</b>                  No habitus specific kVp adjustment.</p> <p>Gantry tilt: angle axials parallel to supra orbital rim and the skull base.</p> <p>UT: Alpha preferred</p>

Last Change: 1/24/2024

Last Review: 1/24/2024

Links:

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

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

