

# UT Southwestern Department of Radiology

**Protocol Name:** CTA Head and Neck

**Orderable Name:** CT ANGIOGRAM BRAIN AND NECK W AND/OR WO IV CONTRAST

Adult Only

**Epic Button:** CTA Head&Neck

CTDIvol < 120 mGy

**Indications:** Stroke, AVM, aneurysm, intracranial hemorrhage

**# Acquisitions:** 1

Active Protocol

<b>Oral Contrast:</b> None	<b>IV Contrast:</b> <a href="#">Link to Contrast Information</a> <b>Rate (ml/sec):</b> 4 <b>Volume (ml):</b> 70 <b>IV Access:</b> Inject on the right when feasible. Power injection: 20g or larger in large vein (prefer AC fossa or forearm) <b>Notes:</b> Test injection 20mL saline, bolus 70mL and saline flush 40mL	<b>Other Contrast:</b> None	<b>Airway</b>  <b>Other Notes</b> No habitus specific kVp adjustment. Bolus tracking @ top of arch, ROI in posterior descending aorta Threshold: 120 HU
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Last Change: 1/24/2024

Last Review: 1/8/2025

Links:

[Bolus Tracking ROI](#)

<b>Special Instructions</b>	Send volume to TeraRecon Send hi/low kVp to SyngoVia		
<b>Acq # / Series Name</b>	<table border="1"> <tr> <td><b>1</b></td><td>Arterial</td></tr> </table>	<b>1</b>	Arterial
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<b>Phase Timing</b>	Bolus tracking (See Other Notes)		
<b>Acquisition Protocol</b>			
<b>Coverage</b>	Bottom of aortic arch thru vertex		
<b>FOV</b>	Whole head and neck		
<b>Algorithm</b>	Soft Tissue		
<b>Axial Recons</b>	Volume		
<b>Other Planar Recons</b>	1 mm sagittal and coronal		
<b>MIP Recons</b>	24x4mm Axial, 5x3mm coronal, 5x3mm sagittal		
<b>†DECT Philips</b>			
<b>†DECT Siemens</b>	Bone removal		
<b>†PC-CT Siemens</b>			

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

