

UT Southwestern Department of Radiology

Protocol Name: CTA Head

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

Adult Only

Epic Button: CTA Head

CTDIvol < 120 mGy

Indications: Aneurysm, AVM

Acquisitions: 1

Active Protocol

<p>Oral Contrast: None</p>	<p>IV Contrast: Link to Contrast Information</p> <p>Rate (mL/sec): 5</p> <p>Volume (mL): 70</p> <p>IV Access: Power injection: 20g or larger in large vein (prefer AC fossa or forearm)</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. Bolus tracking @ top of arch; ROI in posterior descending aorta Threshold: 120 HU (send bolus tracker to PACS)</p>
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Last Change: 8/23/2023

Last Review: 1/24/2024

Links:

<p>Special Instructions</p>	<p>Send to volumes to TeraRecon and SyngoVia</p>
<p>Acq # / Series Name</p>	<p>1 Arterial</p>
<p>Phase Timing</p>	<p>Bolus tracking</p>
<p>Acquisition Protocol</p>	
<p>Coverage</p>	<p>Base of skull to vertex</p>
<p>FOV</p>	<p>200 mm</p>
<p>Algorithm</p>	<p>Soft Tissue</p>
<p>Axial Recons</p>	<p>Volume</p>
<p>Other Planar Recons</p>	<p>1 mm sagittal and coronal</p>
<p>MIP Recons</p>	<p>24x4mm Axial, 5x3mm coronal, 5x3mm sagittal</p>
<p>†DECT Philips</p>	
<p>†DECT Siemens</p>	<p>Bone removal, hi/low kVp</p>
<p>†PC-CT Siemens</p>	

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

