

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

Oral Contrast: None	IV Contrast: Link to Contrast Information Rate (ml/sec): 5 Volume (ml): 70 IV Access: Power injection: 20g or larger in large vein (prefer AC fossa or forearm) Notes: Saline Test Injection: 10 sec @ injection rate	Other Contrast: None	Airway 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)
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Last Change: 8/23/2023

Last Review: 1/8/2025

Links:

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

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

