UT Southwestern Department of Radiology

Protocol Name: CTA Head and Neck
Epic Button: CTA Head&Neck
Indications: Stroke, AVM, aneurysm, intracranial hemorrhage

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

Adult Only

CTDIvol < 120 mGy

 # Acquisitions: 1

Active Protocol

Oral Contrast: None

IV Contrast: Link to Contrast Information
Rate (ml/sec): 4
Volume (ml): 70
IV Access:
Inject on the right when feasible.
Power injection: 20g or larger in large vein (prefer AC fossa or forearm)
Notes:
Saline test injection: 10 sec @ injection rate.
Saline chase: 40mL

Other Contrast: None

Airway

Other Notes
No habitus specific kVp adjustment.
Bolus tracking @ top of arch, ROI in posterior descending aorta
Threshold: 120 HU

Last Change: 10/14/2025 **Last Review:** 10/23/2025 **Links:** Bolus Tracking ROI

Special Instructions	Send volume to TeraRecon Send hi/low kVp to SyngoVia	
Acq # / Series Name	1	Arterial
Phase Timing	Bolus tracking (See Other Notes)	
Acquisition Protocol		
Coverage	Bottom of aortic arch thru vertex	
FOV	Whole head and neck	
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	
†PC-CT Siemens		

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