

UT Southwestern Department of Radiology

Protocol Name: CTA Upper Extremity

Epic Button: CTA Upper Extremity

Indications: Decreased pulses in upper extremity, vascular injury, discoloration, peripheral artery disease, dialysis access.

Orderable Name: CT ANGIOGRAM UPPER EXTREMITY LEFT W AND/OR WO IV CONTRAST

CT ANGIOGRAM UPPER EXTREMITY RIGHT W AND/OR WO IV CONTRAST

Adult Only

CTDIvol < 60 mGy

Acquisitions: 1

Active Protocol

Oral Contrast: None	IV Contrast: Link to Contrast Information Rate (ml/sec): 4 Volume (ml): 100 IV Access: Power injection: 20g or larger in large vein (prefer AC fossa or forearm) Notes: Place IV in opposite arm of interest	Other Contrast: None	Airway Other Notes Read by VIR division Consult body habitus kVp selection chart. Position with arms above head if possible. Use bolus tracking with the threshold set around 100 HU at the aortic arch (send bolus tracker to PACS)
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Last Change: 2/21/2025

Last Review: 2/21/2025

Links: [kVp Body Chart](#) [General Statements](#)

Special Instructions	Send volume to TeraRecon and Syngo Via
Acq # / Series Name	1 Early Arterial
Phase Timing	Bolus tracking
Acquisition Protocol	Vascular
Coverage	Bottom of aortic arch to fingertips
FOV	Whole body (both arms)
Algorithm	Soft Tissue
Axial Recons	2 mm, 0.5 mm
Other Planar Recons	2 mm coronal and sagittal
MIP Recons	7x2mm axial, sagittal and coronal
†DECT Philips	
†DECT Siemens	
†PC-CT Siemens	

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

