

UT Southwestern Department of Radiology

Protocol Name: CTA Upper Extremity

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

Epic Button: CTA Upper Extremity

CTDIvol < 60 mGy

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

Acquisitions: 1

Active Protocol

<p>Oral Contrast: None</p>	<p>IV Contrast: Link to Contrast Information</p> <p>Rate (mL/sec): 4</p> <p>Volume (mL): 100</p> <p>IV Access: Power injection: 20g or larger in large vein (prefer AC fossa or forearm)</p> <p>Notes: Place IV in opposite arm of interest</p>	<p>Other Contrast: None</p>	<p>Airway</p> <hr/> <p>Other Notes Read by VIR division</p> <p>Consult body habitus kVp selection chart.</p> <p>Position with arms above head if possible.</p> <p>Use bolus tracking with the threshold set around 100 HU at the aortic arch (send bolus tracker to PACS)</p>
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Last Change: 1/9/2023

Last Review: 1/4/2024

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

Special Instructions	Send volume to TeraRecon
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
†DECT Philips	
†DECT Siemens	
†PC-CT Siemens	

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

