

UT Southwestern Department of Radiology

Protocol Name: CTA Lower Extremity

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

Adult Only

Epic Button: CTA Lower Extremity

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

CTDIvol < 60 mGy

Indications: Trauma, peripheral arterial disease, claudication, lower extremity wound/ulcer, poor wound healing, pre-op evaluation (intervention or fibular free flap), post-op evaluation, arterial access.

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: Bolus tracking: 150 HU in abdominal aorta @ supra-renal level, initiate scan 8 sec after trigger. Send bolus tracker to PACS.	Other Contrast: None	Airway Other Notes Read by VIR division. Consult body habitus kVp selection chart. Scout from diaphragm to toe.
----------------------------	--	-----------------------------	---

Last Change: 4/12/2024

Last Review: 5/22/2024

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

Special Instructions	Send volume to TeraRecon	Send volume to TeraRecon
Acq # / Series Name	1 Early Arterial	2 Delayed
Phase Timing	Bolus tracking	Immediately after arterial
Acquisition Protocol	Vascular	Vascular
Coverage	Above acetabulum thru toes	Mid thigh to toes
FOV	Skin to skin at widest portion of the patient	Skin to skin at widest portion of the patient
Algorithm	Soft Tissue	Soft Tissue
Axial Recons	2 mm, 1 mm	2 mm, 1 mm
Other Planar Recons	2 mm coronal and sagittal	
MIP Recons		
†DECT Philips	MonoE 40 2mm axial	MonoE 40 2mm axial
†DECT Siemens	MonoE 40 2mm axial, VNC, Iodine map	MonoE 40 2mm axial, VNC, Iodine map
†PC-CT Siemens		

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

