

# UT Southwestern Department of Radiology

**Protocol Name:** CTA Abd/Pel/Lower Ext-AOLL

**Orderable Name:** CT ANGIOGRAM ABD PEL AND LWR EXT (RUNOFF) W AND/OR WO IV CONT

Adult Only

**Epic Button:** CTA Abd/Pel/Lower Ext-AOLL

CTDIvol < 60 mGy

**Indications:** Aneurysm, Poor Circulation, Vascular Abnormality, Free Flap, Pre-Op planning, lower extremity wounds/ulcers, clotification.

**# Acquisitions:** 2

Active Protocol

<p><b>Oral Contrast:</b> None</p>	<p><b>IV Contrast:</b> <a href="#">Link to Contrast Information</a></p> <p><b>Rate (mL/sec):</b> 4</p> <p><b>Volume (mL):</b> 100</p> <p><b>IV Access:</b> Power injection: 20g or larger in large vein (prefer AC fossa or forearm)</p> <p><b>Notes:</b> Bolus tracking: 150 HU in abdominal aorta @ supra-renal level, initiate scan 8 sec after trigger. (send bolus tracker to PACS).</p>	<p><b>Other Contrast:</b> None</p>	<p><b>Airway</b> Full inspiration</p> <hr/> <p><b>Other Notes</b> Read by VIR division Consult body habitus kVp selection chart. Place feet with heels together and toes pointing outward if possible-like a duck. (May tape them together if needed.) UTSW: Check attenuation of the suprarenal aorta (same location as bolus tracking) on the arterial phase at the time of scan. If HU&lt; 250 HU, call radiologist to determine next steps and document in tech note.</p>
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Last Change: 1/4/2024

Last Review: 1/4/2024

Links: [kVp Body Chart](#) [General Statements](#) [CTA aorta parameter table 8-22 update](#)

<b>Special Instructions</b>	Send volume to TeraRecon.	Send volume to TeraRecon.
<b>Acq # / Series Name</b>	<b>1</b> Early Arterial	<b>2</b> Delayed
<b>Phase Timing</b>	Bolus tracking	Immediate after arterial
<b>Acquisition Protocol</b>	<a href="#">Vascular</a>	<a href="#">Vascular</a>
<b>Coverage</b>	Top of diaphragm to toes	Mid thigh to toes
<b>FOV</b>	Skin to skin at widest portion of patient	Skin to skin at widest portion of patient
<b>Algorithm</b>	Soft Tissue	Soft Tissue
<b>Axial Recons</b>	2 mm, 1 mm	2 mm, 1 mm
<b>Other Planar Recons</b>	2 mm coronal and sagittal (A/P Only)	
<b>MIP Recons</b>		
<b>†DECT Philips</b>	mono E 40 2mm axial (legs only for all series)	mono E 40 2mm axial (legs only for all series)
<b>†DECT Siemens</b>	mono E 40 2mm axial, VNC, Iodine Map (legs only for all series)	mono E 40 2mm axial, VNC, Iodine Map (legs only for all series)
<b>†PC-CT Siemens</b>		

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

