UT Southwestern Department of Radiology

Protocol Name: CTA Chest/Abd/Pel-Endograft (single source)

Orderable Name: CT ANGIOGRAM AORTA ENTIRE W AND/OR WO IV CONTRAST

Adult Only

CTDIvol < 60 mGy

Epic Button: CTA Chest/Abd/Pel-Endograft (single source)

Acquisitions: 4

Indications: Post-op for Thoracic and/or Abdominal aortic aneurysm (EVAR, TEVAR,

FEVAR, or surgical graft) repaired or unrepaired, chronic aortic dissection.

Active Protocol

Oral Contrast: None	IV Contrast: Link to Contrast Information	Other Contrast: None	Airway
	Rate (ml/sec): 4		Full inspiration
	Volume (ml): 100		
	IV Access: Power injection: 20g or larger in large vein (prefer AC fossa or forearm)		Other Notes Read by VIR division Consult body habitus kVp selection chart.
	Notes: Bolus tracking: 150 HU in abdominal aorta @ supra-renal level, initiate scan 8 sec after trigger. (send bolus tracker to PACS).		UTSW: Check attenuation of the suprarenal aorta (same location as bolus tracking) on the arterial phase at the time of scan. If HU< 250 HU, call radiologist to determine next steps and document in tech note.

Last Change: 2/21	L/2025 Last Review: 2/21/2025 Links	s: <u>kVp B</u>	Body Chart General Statements	CTA aorta pa	rameter table 8-22 update	
Special Instructions	Send volume to TeraRecon and Syngo Via	Send v	olume to TeraRecon and Syngo Via	Send v	olume to TeraRecon and Syngo Via	
Acq # / Series Name	1 Noncontrast	2	Early Arterial	3	Delayed	
Phase Timing			Bolus tracking		40 sec after arterial phase	
Acquisition Protocol	Abdominal Standard 5mm		Vascular		Vascular	
Coverage	Base of neck to lesser trochanters		Base of neck to lesser trochanters		Base of neck to lesser trochanters	
FOV	Skin to skin at widest portion of patient		Skin to skin at widest portion of patient		Skin to skin at widest portion of patient	
Algorithm	m Soft Tissue		Soft Tissue		Soft Tissue	
Axial Recons	2 mm, 0.5 mm		2 mm, 0.5 mm		2 mm, 0.5 mm	
Other Planar Recons	2 mm coronal and sagittal		2 mm coronal and sagittal		2 mm coronal and sagittal	
MIP Recons			7x2mm axial, sagittal and coronal		7x2mm axial, sagittal and coronal	
†DECT Philips		mono I	E 40 1mm axial, SBI	mono I	E 40 1mm axial, SBI	
†DECT Siemens						
†PC-CT Siemens						

