

 University Health™	Policy #: Rad Proc 13.13.7
SUBJECT: CT Routine Chest Angio 5.7	Effective: 10/2013 Reviewed: 03/07/2017
APPROVED BY: Body Imaging Medical Director	Page 1 of 1

Purpose: To provide computed tomography staff with the required protocol for performing CT Chest Angio.

Scope: All adult patients 18 years and older.

Clinical Indication: Thoracic aneurysm, Vascular Abnormalities

Patient Preparation: Clear liquid diet (6 hours prior to exam)

Orientation: Feet first

Breathing: Inspiration

Oral Contrast: None

IV Contrast per Weight: 1ml/lb or 2ml/kg not to exceed 150ml injected @ 4ml/sec

Coverage: Lung apices through renal arteries (L2)

Anatomic Reference: Sternal notch

Scan Delay: Smart prep or care bolus

Group 1: Arterial Phase – Lung apices through renal arteries

Smart prep (GE) or care bolus liver: Monitoring delay 0 sec ISD 1 Threshold 100

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
LS 16 0.8 sec Helical Full	2.5 27.50 1.375:1	2.5	Large	120	80-440 11.5	Smart Prep	Standard
VCT 0.8 sec Helical Full	2.5 55.00 1.375:1	2.5	Large	120	80-600 11.5	Smart Prep	Standard
AS 64 0.5 sec Helical	2 1	2.0	380	120	Ref MAS 250	Care Bolus	Standard

Algorithm: Standard Show recon 1= 2.5mm Recon 2= 0.625mm

Reformation: 2.0mm Sagittal and Coronal reformations of the entire exam

Network: Recon 1 (2.5mm) to PACS. Recon 2 (0.625) auto transmit to AWSERV

**** Include non-contrast images when requested by Radiologist. ****