

UT Southwestern Department of Radiology

Protocol Name: Routine Chest W Contrast

Orderable Name: CT CHEST W IV CONTRAST

Adult Only

Epic Button: Routine Chest W Contrast

CTDIvol < 60 mGy

Indications: Masses, pneumonia, cough, abnormal chest x-ray

DLP < 5000 mGycm

Acquisitions: 1

Active Protocol

Oral Contrast: None	IV Contrast: Link to Contrast Information Rate (ml/sec): 3.7 Volume (ml): 75 IV Access: Power injection: 18-20g Notes: Bolus tracking: Trigger at 80 HU (90 HU if dual-source scanner) in descending aorta at the diaphragm, initiate scan 40 seconds after trigger.	Other Contrast: None	Airway Acquire on inspiration Other Notes Consult body habitus kVp selection chart. If pt>280 lbs: don't use dual energy mode on Force/Flash scanners
----------------------------	---	-----------------------------	---

Last Change: 1/16/2024

Last Review: 1/13/2024

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

Special Instructions		Do not repeat CT scan, recon lung from 1st acquisition
Acq # / Series Name	1 Venous	N/A Venous
Phase Timing	Bolus tracking in descending aorta	N/A
Acquisition Protocol	Chest Standard	Recon Only
Coverage	Base of neck thru L1	Same
FOV	Match prior study FOV, if available	Same
Algorithm	Soft Tissue	Lung
Axial Recons	2 mm	2 mm
Other Planar Recons	2 mm coronal and sagittal	
MIP Recons	7x2mm axial	
†DECT Philips		
†DECT Siemens	1mm SPP	
†PC-CT Siemens	1mm SPP, 70keV monoE for all recons	

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

