

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
DLP < 5000 mGycm

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

Acquisitions: 1

Active Protocol

<p>Oral Contrast: None</p>	<p>IV Contrast: Link to Contrast Information</p> <p>Rate (mL/sec): See Notes</p> <p>Volume (mL):</p> <p>IV Access: Power injection: 18-20g</p> <p>Notes:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Rate (ml/sec)</th> <th>Volume (ml)</th> </tr> </thead> <tbody> <tr> <td>Single Energy</td> <td>3.7</td> <td>75</td> </tr> <tr> <td>Dual Energy</td> <td>2.5</td> <td>50</td> </tr> </tbody> </table>		Rate (ml/sec)	Volume (ml)	Single Energy	3.7	75	Dual Energy	2.5	50	<p>Other Contrast: None</p>	<p>Airway Acquire on inspiration</p> <hr/> <p>Other Notes Consult body habitus kVp selection chart.</p> <p>If pt>280 lb: don't use dual energy mode on Force/Flash scanners</p> <p>Bolus tracking: Trigger at 80 HU (90 HU if dual-source scanner) in descending aorta, add 15 seconds</p>
	Rate (ml/sec)	Volume (ml)										
Single Energy	3.7	75										
Dual Energy	2.5	50										

Last Change: 8/3/2022

Last Review: 1/28/2022

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

Special Instructions	Send to TeraRecon (volume)	Do not repeat CT scan, recon lung from 1st acquisition
Acq # / Series Name	1 Late Arterial	N/A Late Arterial
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
Primary Axial Recon	2 mm	2 mm
Other Recons	2 mm coronal and sagittal	
MIP Recons	7x2mm axial	
*Dual Energy Philips		
*Dual Energy Siemens		



* When dual energy or spectral CT is used