

 University Health™	Policy #: Rad Proc 13.13.3
SUBJECT: CT Routine Chest 5.3	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 head first.

Scope: All adult patients 18 years and older.

Clinical Indication: Mass; Trauma; Cancer/ Metastatic disease; Oncology Staging

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

Orientation: Head first

Breathing: Inspiration

Oral Contrast: One cup water on table

IV Contrast per Weight: 1ml/lb or 2ml/kg not to exceed 150ml injected @ 3ml/sec

Coverage: Lung apices through adrenal glands

Anatomic Reference: Sternal notch

Scan Delay: Smart prep or care bolus

Group 1:

Smart prep (GE) or care bolus liver: Monitoring delay 10 sec ISD 5 Threshold 50

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	5 27.50 1.375:1	5	Large	120	80-440 11.5	Smart Prep	Standard
VCT 0.8 sec Helical Full	5 55.00 1.375:1	5	Large	120	80-600 11.5	Smart Prep	Standard
AS 64 0.5 sec Helical	5 1	5	380	120	Ref MAS 250	Care Bolus	Standard

Algorithm: Recon 1 & 2 Standard

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

Network: Recon 1 (5mm) to PACS. Recon 2 (1.25) auto transmit to AWSE