University Health™	Policy #: Rad Proc 13.13.13
SUBJECT: CT Trauma Chest/Abdomen/Pelvis W T/L Spine Recon 5.13	Effective: 10/2013 Reviewed: 03/07/2017
APPROVED BY: Body Imaging Medical Director	Page 1 of 2

Purpose: To provide computed tomography staff with the required protocol for performing CT Trauma Chest/Abdomen/Pelvis W TL Spine Recons Urinary System delay.

Scope: All adult patients 18 years and older.

Clinical Indication: Thoracic trauma, abdominal trauma, Pelvic trauma
Patient Preparation: *arms bolstered on abdomen* (make sure arms are elevated above plane of T-spine, use towels or blankets under arms when possible) if injury prevents bolstering elevate one arm above head
Orientation: Head first
Breathing: Inspiration
Oral Contrast: Per Trauma Service 800-1000ml 90-120 minute drinking period (see proc. 6.12.1)
IV Contrast per Weight: 1ml/lb or 2ml/kg not to exceed 150ml injected @ 2.5ml/sec
Coverage: Lung apices through ischial tuberosities
Anatomic Reference: Sternal notch
Scan Delay: 60 second delay

Group 1: Lung apices through ischial tuberosities

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	60 sec	Standard
VCT 0.8 sec Helical Full	5 55.00 1.375:1	5	Large	120	80-600 11.5	60 sec	Standard
AS 64 0.5 sec Helical	5 1	5	380	120	Ref MAS 250	60 sec	Standard

Group 2: 5 minute delays - top of kidneys through ischial tuberosities

Scan Mode	Thick Speed	Interval (mm)	SFOV	kVp	Auto mA/ Noise Index	Prep Group	Recon Type
LS 16 Helical Full 0.8 sec	**5 27.50 1.375:1**	**5**	**Large**	**120**	**80-440 11.5**	**5 min**	**Standard**
VCT Helical Full 0.8 sec	**5 55.00 1.375:1**	**5**	**Large**	**120**	**80-600 11.5**	**5 min**	**Standard**
AS 64 Helical 0.5sec	**5 0.8**	**5**	**360**	**240**	**Ref mAs 250**	**5 min**	**Standard**

Algorithm: Recon 1= 5mm & 2 1.25mm in Standard Recon 3 - Bone
Network: Recon 1 and 2 to PACS; Recon 3 (1.25) auto transmit AWBR, AWFW. AWSERV
Reformat: Sagittal and Coronal reformations through Chest, Abdomen, and Pelvis.
Retro Recon - *Series 2:* thoracic and lumbar spine per neuroradiology
Notes: Auto mA and Care Dose must be on and mA table checked prior to scanning.