

 University Health™	Policy #: Rad Proc 13.14.2
SUBJECT: CT Abdomen 6.2	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 Abdomen.

Scope: All adult patients 18 years and older.

Clinical Indication: Abdominal pain

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

Orientation: Feet first

Breathing: Inspiration

Oral Contrast: 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 @ 3ml/sec

Coverage: Dome of diaphragm through iliac crest; for pelvis continue through ischial tuberosities

Anatomic Reference: Xiphoid process;

Scan Delay: Smart prep or care bolus

Group 1: Venous Abdomen – Dome of diaphragm through iliac crests

Smart prep (GE) or care bolus liver: Monitoring delay 45 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

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Group 2 Five minute delays- through kidneys only

Scan Mode	Thickness Speed Pitch	Table Interval	SFOV	kVp	Auto mA/ Noise Index	Prep Time (sec)	Recon Type
0.8 sec Helical Full	5 27.50 1.375:1	5	Large	120	80-440 11.5	5 min.	Standard
VCT 0.8 sec Helical Full	5 55.00 1.375:1	5	Large	120	80-440 11.5	5 min.	Standard
AS 64 0.5 sec Helical Full	5 1	5	380	120	Ref mAs 250	5 min	Standard

Algorithm: Recon 1 & 2 Standard

Reformation: 2.0 Sagittal and Coronal reformations of venous phase.

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

Notes: Auto mA must be on and mA table checked prior to scanning.