

 University Health™	Policy #: Rad Proc 13.14.8
SUBJECT: CT Abdomen/Pelvis Oncology 6.8	Effective: 10/2013 Reviewed: 03/07/2017
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Purpose: To provide computed tomography staff with the required protocol for performing CT Abdomen/Pelvis for Oncology Head First Protocol

Scope: All adult patients 18 years and older.

Clinical Indication: Neoplasm

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

Orientation: Head 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: Non-contrast – Dome of diaphragm to iliac crest

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	N	Standard
VCT 0.8 sec Helical Full	5 55.00 1.375:1	5	Large	120	80-600 11.5	N	Standard
AS 64 0.5 sec Helical	5 1	5	360	120	Ref MAS 250	N	Standard

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Group 2: Venous Abdomen and pelvis– Dome of diaphragm through ischial tuberosities.

Smart prep(GE) or care bolus(Siemens) liver: Monitoring delay 45 sec; ISD 5 sec: 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 Liver	Standard
VCT 0.8 sec Helical Full	5 55.00 1.375:1	5	Large	120	80-600 11.5	Smart Prep Liver	Standard
AS 64 0.5 sec Helical	5 1	5	360	120	Ref MAS 250	Care Bolus Liver	Standard

Group 3 Five minute delays- through kidneys only

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	5 min	Standard
VCT 0.8 sec Helical Full	5 55.00 1.375:1	5	Large	120	80-600 11.5	5 min	Standard

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AS 64 0.5 sec Helical	5 1	5	360	120	Ref MAS 250	5 min	Standard
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Algorithm: Recon 1 & 2 Standard

Reformation: 2.0 Sagittal and Coronal reformations of the 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.