 University Health™	Policy #: Rad Proc 13.14.24
SUBJECT: Pediatric body 14.5-18kg (31.5-40lbs) 16.5.1	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 Pediatric body 14.5-18kg (31.5-40lbs)

Scope: All pediatric body 14.5-18kg (31.5-40lbs)

Clinical Indication: Abdominal pain, trauma

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

Orientation: Feet first

Breathing: Inspiration

Oral Contrast: See Rad Proc 13.8

IV Contrast per Weight: 1ml/lb or 2ml/kg not to exceed 150ml injected per Rad Proc 13.8

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 13.75 1.375:1	5	Large	80	150 12.00	Smart Prep	Standard
VCT 0.8 sec Helical Full	5 13.75 1.375:1	5	Large	80	150 12.00	Smart Prep	Standard
AS 64 0.5 sec Helical	4.8 1	4.8	380	80	Ref MAS 250	Care Bolus	Standard

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Algorithm: Recon 1 & 2 Standard

Reformation: 1.25 Sagittal and Coronal reformations of venous phase.

Network: Recon 1 (3.75mm) to PACS. Recon 2 (1.25) auto transmit to AWSERV

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