Enterography

Siemens 16 Slice

Application Examples: evaluate small bowel

Oral Contrast	2 Bottles Volumen & 450ml H20
IV Contrast / Volume	125 ml Omnipaque 350
Injection Rate	5.0 ml /sec

Technical Factors

Care Bolus ROI Location / HU	N/A
Monitoring Delay	N/A
Cycle Time	N/A
Scan Delay	55 seconds
Breath Hold	Inspiration

Scan Type	Spiral
Detector Collimator	Acq 16 x 1.2 mm
kV / mAs / Rotation Time	130 kV / 155mAs / 0.6 sec
Care Dose 4D	On
Pitch	0.8
Typical CTDIvol	17.26 mGy

Topogram: AP, 512 mm

Abdomen	Width / Increment	Kernel	Window	Series Description	Networking
Recon 1	5 x 5	B30s	Abdomen	AXIAL	PACS
Recon 2	1.5 x 0.7	B20s	Angio	AXIAL 1.5 x 0.7 SMOOTH	MIP Thin / TeraRecon

This protocol is particularly used for evaluating small bowel.

Patient Preparation / Bowel Preparation: See Patient Education / Tests and Procedures / Imaging / Small Bowel Study with Prep. If patient arrives without taking oral preparation, still proceed with exam.

It is important to explain the drinking process to the patient before starting exam. Patient education is of the upmost importance because if they cannot comply with the oral contrast protocol, the bowel may not fill and distend adequately and result in an incomplete exam; the patient may need to be rescheduled—check with the Radiologist if unable to complete oral contrast requirement before starting exam.

Oral Contrast: Have the patient change into a gown and place IV before beginning oral contrast. The patient will continuously sip on two 450 ml bottles of Volumen for a period of 45 minutes. Then, give patient 450ml of water to drink just before getting on table. The patient must be scanned at the 45 minute mark after the start of Volumen.

Patient Position: Patient lying supine with arms above head.

Scan Range: Scan just above diaphragm through ischial tuberosities.

Recons: Adjust FoV to fit body contour.

Reformations: Post processing done in 3D card.

Series: Abdomen	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 2	Coronal MIP	3 x 3	Angio	COR MIP	PACS
Recon 2	Sagittal MIP	3 x 3	Angio	SAG MIP	PACS