

Abdomen for Obscure GI Bleed

Siemens Flash

Application Examples: obscure GI bleed

Oral Contrast	3 bottles of Breeza
IV Contrast / Volume	125 ml Omnipaque 350
Injection Rate	5.0 ml/sec

Technical Factors

Care Bolus ROI Location / HU	Descending Aorta (2cm above diaphragm) / 150
Monitoring Delay	10 seconds
Cycle Time	1.5 seconds
Scan Delay	5 seconds
Breath Hold	Inspiration

Detector Collimator	Acq. 128 x 0.6 mm
Care kV	On / 120 kV
Care Dose 4D	On / 150 mAs
Rotation Time	0.5 seconds
Pitch (seconds)	0.6
Typical CTDIvol	10.14 mGy ± 50%

Topogram: Lateral & AP, 512 mm

Non-Contrast	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	2 x 1	I41f	2	Abdomen	AXIAL NON CONTRAST	PACS	None
Recon 2	Axial	0.6 x 0.6	I31f	2	Abdomen	AXIAL NON CON 0.6 STND	TeraRecon	None

Arterial	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	2 x 1	I41f	2	Abdomen	AXIAL ARTERIAL	PACS	None
Recon 2	Axial	0.6 x 0.6	I31f	2	Abdomen	AXIAL ARTERIAL 0.6 STND	TeraRecon	None

70 seconds	Recon Type	Width / Increment	Algorithm	Safire	Window	Series Description	Networking	Post Processing
Recon 1	Axial	2 x 1	I41f	2	Abdomen	AXIAL 70 SEC	PACS	None
Recon 2	3D:COR	2 x 1	I30f	2	Angio	COR MIP	PACS	Coronal MIP
Recon 3	3D:SAG	3 x 3	I30f	2	Angio	SAG MIP	PACS	Sagittal MIP
Recon 4	Axial	0.6 x 0.6	I31f	2	Abdomen	AXIAL 70 SEC 0.6 STND	TeraRecon	None

This protocol is particularly used for evaluating obscure GI bleed and uses three phases.

Patient Preparation: It is important to explain the drinking process to the patient before starting exam; patient education is of the utmost 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.

Oral Contrast: Have the patient change into a gown and place IV before beginning oral contrast. The patient will sip on three bottles of Breeza (continuously) for a period of 45 minutes. The patient must be scanned at the 45 minute mark after the start of oral contrast.

Patient Position: Patient lying supine with arms above head.

Scan Range: Scan diaphragm to the symphysis pubis for each acquisition.

Recons and Reformations: Adjust FoV to fit body contour.