

CTA Abdomen/Pelvis w/wo for GI Bleed

GE- 6000

Maximum CTDI 65

Indication: acute lower intestinal bleeding, acute bleeding, Lower GI tract bleeding, anemia

PT Prep: No oral contrast
IV contrast – Yes (follow MCR IV contrast dosing guidelines)

Series 1: Scouts AP & LAT – Supine “O”at Xiphoid Process S20 to I500

Series 2: Scan from diaphragm to inferior pubic ramus **without** IV contrast.

Technique: Unenhanced

	750 HD (128) CT2	Optima 660 (32) OVIC	Optima 660 CT1	VCT (64) CT3
Noise Level	18.23	14.00	11.60	14.00
Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
Pitch	0.984:1	0.984:1	0.984:1	0.984:1
Speed mm/rotation	39.37	39.37	39.37	39.37
Detector Rows	64	32	64	64
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
KV/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8 sec	Helical Full 0.5 sec	Helical Full 0.5 sec	Helical Full 0.5sec

Original Date: 4-8-04

Approved by: Dr. Songmen, MCR _____

Revised Date: 11/9/04, 1/11/10, 12/8/10, 08/15/2013, 12/15/15, 07/29/20, 4/11/24

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Series 3: Arterial Phase. Inject IV contrast per MCR contrast dosing guidelines @ 4cc/sec. Use a Smart Prep on the proximal abdominal aorta.

	750 HD (128) CT2	Optima 660 (32) OVIC	Optima 660 CT1	VCT (64) CT3
Noise Level	18.23	15.86	15.86	15.86
Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
Pitch	0.984:1	0.984:1	0.984:1	0.984:1
Speed mm/rotation	39.37	39.37	39.37	39.37
Detector Rows	64	32	64	64
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
KV/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec

Series 4: 75 second delay for portal venous phase

	750 HD (128) CT2	Optima 660 (32) OVIC	Optima 660 CT1	VCT (64) CT3
Noise Level	18.23	15.86	15.86	15.86
Interval	2.5mm	2.5mm	2.5mm	2.5mm
Axial/Helical Thickness	2.5mm	2.5mm	2.5mm	2.5mm
Pitch	0.984:1	0.984:1	0.984:1	0.984:1
Speed mm/rotation	39.37	39.37	39.37	39.37
Detector Rows	64	32	64	64
Detector Configuration				
Beam Collimation	40mm	40mm	40mm	40mm
KV/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec

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Networking/ PACs: Send scouts
 Send series 2 Standard Soft Tissue Algorithm
 Recon and send axial lung images in lung algorithm series 2
 Recon and send axial images in bone algorithm series 2
 Recon and send MPR images in standard algorithm for series 2, 3, 4
 Recon and send MIP images in standard algorithm for series 3,4
 Send thins to 3D only if requested by Radiologist

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