

CTA Abdomen/Pelvis w/wo for GI Bleed

GE- 6000

Maximum CTDI __65__

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

PT Prep: No oral contrast
IV contrast – Yes (follow IV contrast administration guidelines)
20g to 18 g peripheral IV in AC or Injectable PICC for contrast administration.

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:

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
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. D. Samoilov MCR _____

Revised Date: 11-9-04, 1-11-10 12/8/10 08/15/2013 12/15/15

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Series 3: Inject 100cc of IV contrast with a 50cc bolus of saline solution.@ 4cc/sec. (Contrast dose may be adjusted based on CrCl) Use a Smart Prep on the proximal abdominal aorta.

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
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

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
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

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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

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

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