

CTA GI BLEED					
Protocol Title	6.9 CTA GI Bleed				
HDI/VDI					
Patient position:	Supine feet first				
Exam specific instructions:					
Indication:	Acute GI bleed				
Notes:					
CONTRAST:	Oral:	None			
	IV:	100mL Omnipaque 350 / 30ml saline flush @ 5mL/s			
 SERIES 1: Dual Scout	GE 120kV/10mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	XY S60/I500	XY S60/I500		XY S60/I500	
 SERIES 2: *A/P W/O* Above diaphragm to lesser trochanters					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical		Helical	
Detector Config	40mm	40mm		80mm	
Rotation	0.5	0.5		0.5	
Pitch/Speed	0.9/39.37	39.37		0.992/1	
SFOV	Large Body	Large Body		Large Body	
kV	120	120		120	
mA Range	125-550	125-550		125-550	
NI	15.86	15.86		12.3	
Prep Group	NA	NA		NA	
DFOV (cm)	36	36		36	
% Dose Reduction	40	40		40	
ASIR	40	40		40	
CTDI Range (mGy)	14.35	14.35		25.18	
XR29 Dose Notification	50	50		50	

	RECON 1
Series Descripton	Axial WO ST
Type	Axial
Start	Above Diaphragm
End	Lesser Trochanters
Image Order	Craniocaudal
Filter	Standard
Windowing	C40/W350
Render Mode	Average
Slice (mm)	2.5
Increment (mm)	2.5
FOV (mm)	36

 SERIES 3: *Smart Prep* Draw circle ROI on mid aorta					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Smart Prep					
On	Active	Active		Active	

Dynamic transition	Active	Active		Active	
Monitor location	I50	I50		I100	
mA	40	40		40	
Monitor delay	10 sec	10 sec		10 sec	
Monitoring ISD	1.4 sec	1.4 sec		1.0 sec	
Threshold	120 HU	120 HU		50 HU	
Auto localizer	Active	Active		Active	
Voice message	2 Active	2 Active		Active	
Auto min delay	6.3 sec	6.3 sec		7 sec	

⚠️ SERIES 3 Group 1: *Arterial* Scan from above above diaphragm to lesser trochanters

GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical		Helical	
Detector Config	40mm	40mm		80mm	
Rotation	0.5	0.5		0.5	
Pitch/Speed	0.9/39.37	39.37		0.992/1	
SFOV	Large Body	Large Body		Large Body	
kV	120	120		120	
mA Range	125-550	125-550		100-560	
NI	21.45	21.45		12.3	
Prep Group	Smart Prep	Smart Prep		Smart Prep	
DFOV (cm)	36	45		36	
% Dose Reduction	40	40		40	
ASIR	40	40		40	
CTDI Range (mGy)	14.35	14.35		19.05	
XR29 Dose Notification	50	50		50	

	RECON 1	RECON 3	REFORMAT 1
Series Descripton	Arterial ST	Arterial Thin	MIP Sag 4X2
Type	Axial	Axial	Sagittal
Start	Above Diaphragm	Above Diaphragm	Skin surface
End	Lesser Trochanters	Lesser Trochanters	Skin surface
Image Order	Craniocaudal	Craniocaudal	Left to Right
Filter	Standard	Standard	Standard
Windowing	C40/W350	C40/W350	C400/W350
Render Mode	Average	Average	Average
Slice (mm)	1.25	0.625	4
Increment (mm)	1.25	0.625	2
FOV (mm)	36	36	36

⚠️ SERIES 3, Group 2: *3 Min* Scan from above above diaphragm to lesser trochanters

GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical		Helical	
Detector Config	40mm	40mm		80mm	
Rotation	0.5	0.5		0.5	
Pitch/Speed	0.9/39.37	39.37		0.992/1	
SFOV	Large Body	Large Body		Large Body	
kV	120	120		120	
mA Range	125-560	75-560		100-550	
NI	15.86	15.86			

Prep Group	3 min	Timed 3 min		3 min	
DFOV	36	45		35	
% Dose Reduction	40	40		40	
ASIR	40	40		40	
CTDI Range (mGy)	14.35	14.35		41.71	
XR29 Dose Notification	50	50		50	

	RECON 1	RECON 2	RECON 3	REFORMAT 2
Series Descripton	3 Min	Lung	3 Min Delay Thin	Sagittal ST
Type	Axial	Axial	Axial	Sagittal
Start	Above Diaphragm	Above Diaphragm	Above Diaphragm	Skin surface
End	Lesser Trochanters	Lesser Trochanters	Lesser Trochanters	Skin surface
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Left to Right
Filter	Standard	Lung	Standard	Standard
Windowing	C40/W350	C-500/W2000	C40/W350	C400/W350
Render Mode	Average	Average	Average	Average
Slice (mm)	2.5	2.5	0.625	2.5
Increment (mm)	2.5	2.5	0.625	2.5
FOV in mm	36	36	36	36

IMAGES		NETWORK
All Images		PACS except Thins
Scout		
Exam Page		
Approving Radiologist / Review Date: Dr. Praveen Rao 4/26/2023		