

CTA Abd/Pelvis Post Endo GO UP GI bleed/Mesenteric Ischemia

Indications	Mesenteric Ischemia, Acute GI bleed, Post-Endograft or Vascular Surgery					
Diagnostic Task	Detect aneurysms, aortic dissections					
Scan mode	Helical					
Position/Landmark	Head or feet first-Supine inspiration					
Topogram	AP 15mA 110kV					
kVp/Reference mass	without 130kv 99mas// with 110kV 92mAs					
Rotation time/pitch	without 0.8/0.8// with 0.8/1.2					
Detector Configuration	32x0.7					
Table Speed/Increment	without 17.92 // with 26.88					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set 1 NON CONTRAST	recon	body part	thickness spacing	kernel	window	recon destination
	1	A/P	1.5mmx1.5mm	Br40	Abdomen	pac
Helical Set 2 ARTERIAL	recon	body part	thickness spacing	kernel	window	recon destination
	1	A/P	2mmx2mm	Bv36	Angio	pac/TR
	2	cor a/p	2mmx2mm	Bv36	Angio	pac
	3	sag a/p	2mmx2mm	Bv36	Angio	pac
	4	thin a/p	0.6mmx0.6mm	Br36	Angio	pac/TR
	5	Cor MIP aorta	5mmx2mm	Br36	Angio	pac
	6	sag MIP aorta	5mmx2mm	Br36	Angio	pac
Helical Set 2 90sec	recon	body part	thickness spacing	kernel	window	recon destination
	1	A/P	2mmx2mm	Bv36	Angio	pac/TR
	2	cor a/p	2mmx2mm	Bv36	Angio	pac
	3	sag a/p	2mmx2mm	Bv36	Angio	pac
Scan start/End location	Hepatic dome					
DFOV	Symphysis pubis-femoral artery					
	40cm					
	decrease appropriately					
IV contrast volume/type	<200lbs 100ml 200+lbs 125ml isovue 370 4-5ml/sec					
Scan delay	Bolus Tracking in aorta T-12 level					
	Trigger is +100HU					
	Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)		
	SMALL	50-70	110-155	4-10		
	AVERAGE	70-90	155-200	8-16		
	LARGE	90-120	200-265	14-22		
NOTE*	*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.					

