

CTA Abd/pelvis Post-Endo 64Sensation

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	PA 40mA 120kV					
kVp/Reference mass	120kv 240mas/Care Dose ON/100kv if pt under 140lbs					
Rotation time/pitch	0.5/pitch 0.7					
Detector Configuration	64x0.6					
Table Speed/Increment	26.88					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set non contrast	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis	2mmx2mm	31medium smooth	mediastinum	pacs
Helical Set arterial	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis cta	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	coronal abd/pel	2mmx2mm	31medium smooth	mediastinum	pacs
	3	sag abd/pel	2mmx2mm	31medium smooth	mediastinum	pacs
	4	thin abd/pel	.6mmx.6mm	31medium smooth	mediastinum	pacs/TR
	5	MIP coronal aorta	5mmx2mm	31medium smooth	mediastinum	pacs
	6	MIP sag aorta	5mmx2mm	31medium smooth	mediastinum	pacs
Helical Set 90sec	recon	body part	thickness spacing	kernel	window	recon destination
	1	abd/pelvis cta	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	coronal abd/pel	2mmx2mm	31medium smooth	mediastinum	pacs
	3	sag abd/pel	2mmx2mm	31medium smooth	mediastinum	pacs
Scan start/End location	Hepatic dome Symphysis pubis-include femoral artery					
DFOV	40cm decrease appropriately					
IV contrast volume/type	<200lbs 100ml 200+lbs 125ml isovue 370 4-5ml/sec					
	Performed as directed by the supervising radiologist					
Scan delay	Bolus Tracking in aorta at T12 Trigger is +100HU ??					
Approximate Values for CTDIvol						
	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.					

