CTA Abd/Pelvis Post Endo 64 GE

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 Sternal Notch S60-I350			
Topogram	AP 120kV 20mA Lat 120kV 40mA			
kVp/Reference mass	120kv Auto mA (200-700)			
Rotation time/pitch	0.5/0.984:1			
Detector Configuration	64x0.625			
Table Speed/Increment	39.37			
Dose reduction	Noise Index 15.86			
Allowed CTDI ranges*	7mGy-50mGy			
XR29 Dose Notification value	50mGy			
Helical Set non con	recon	body part	thickness spacing	algorithm	recon destination
	1	abd/pelvis	1.25mmx 1.25mm	standard	pacs
Helical Set arterial	recon	body part	thickness spacing	algorithm	recon destination
	1	abd/pelvis	1.25mmx 1.25mm	standard	pacs
	2	sag abd/pel	2mmx2mm	standard	pacs
	3	coronal abd/pel	2mmx2mm	standard	pacs
	4	thin abd/pel	1.25mmx1.0mm	standard	pacs/TR
	5	MIP coronal aorta	5mmx2mm	standard	pacs
	6	MIP sag aorta	5mmx2mm	standard	pacs
Helical Set 90sec	recon	body part	thickness spacing	algorithm	recon destination
	1	abd/pelvis	1.25mmx 1.25mm	standard	pacs
	2	sag abd/pel	2mmx2mm	standard	pacs
	3	coronal abd/pel	2mmx2mm	standard	pacs
Scan Start/end location	Hepatic dome				
	Symphysis pubis-femoral artery				
DFOV	40cm				
IV contrast volume/type	<200lbs 100ml 200+lbs 125ml isovue 370 4-5ml/sec				
	Performed as directed by the supervising radiologist				
	bolus tracking in aorta T-12 level				
Scan delay	Initiate scan manually-enhancement threshold of 110HU??				

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.

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