

# CTA Abd/Pelvis Post-Endo 16 GE

<b>Indications</b>	Mesenteric Ischemia, Acute GI bleed, Post-Endograft or Vascular Surgery			
<b>Diagnostic Task</b>	Detect aneurysms, aortic dissections and			
<b>Scan mode</b>	Helical			
<b>Position/Landmark</b>	Head or feet first-Supine Sternal Notch S25-I350			
<b>Topogram</b>	AP 120kV 10mA Lat 120kV 30mA			
<b>kVp/Reference mass</b>	120kv Auto mA (100-440)			
<b>Rotation time/pitch</b>	0.7/1.375:1			
<b>Detector Configuration</b>	16x1.25			
<b>Table Speed/Increment</b>	27.5			
<b>Dose reduction</b>	Noise Index 22.43			
<b>Allowed CTDI ranges*</b>	7mGy-50mGy			
<b>XR29 Dose Notification value</b>	50mGy			
<b>Helical Set non con</b>	recon	body part	thickness spacing	recon destination
	1	Abd/Pelvis	2.5mmx 2.5mm	standard pacs
<b>Helical Set arterial</b>	recon	body part	thickness spacing	recon destination
	1	abd/pel	1.25mmx 1.25mm	standard pacs
	2	sag abd/pel	2mmx2mm	standard pacs
	3	coronal abd/pel	2mmx2mm	standard pacs
	4	thin abd/pel	1.25mmx0.625mm	standard pacs/TR
	5	MIP coronal aorta	5mmx2mm	standard pacs
	6	MIP sag aorta	5mmx2mm	standard pacs
<b>Helical Set 90sec</b>	recon	body part	thickness spacing	recon destination
	1	abd/pel	1.25mmx 1.25mm	standard pacs
	2	sag abd/pel	2mmx2mm	standard pacs
	3	coronal abd/pel	2mmx2mm	standard pacs
<b>Scan Start/end location</b>	Hepatic dome Symphysis pubis-femoral artery			
<b>DFOV</b>	40cm/decrease for lung recons			
<b>IV contrast volume/type</b>	<200lbs 100ml 200+lbs 125ml isovue 370 4-5ml/sec			
<b>Scan delay</b>	Performed as directed by a supervising radiologist bolus tracking in aorta T12 level Initiate scan manually-enhancement threshold of 80HU			
<b>Approximate Values for CTDIvol</b>				
	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
<b>NOTE*</b>	*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.			

