

CTA Abd/Pelvis +Run off 64 GE

Indications	trauma, acute aortic syndrome, claudication, peripheral artery disease			
Diagnostic Task	Detect aneurysms, aortic dissections, stenosis			
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 #1	body	thickness		recon
non contrast	recon	part	spacing	algorithm
contact rad in under 40	1	abd/pelvis-feet	1.25mmx 1.25mm	standard
				destination
				pacs
Helical Set #2	body	thickness		recon
arterial	recon	part	spacing	algorithm
	1	abd/pelvis run off	2.5mmx 2.5mm	standard
	2	sag abd/pel	2mmx2mm	standard
	3	coronal abd/pel	2mmx2mm	standard
	4	thin abd/pel run off	0.625mmx0.625mm	standard
	5	sag legs	2mmx2mm	standard
	6	coronal legs	2mmx2mm	standard
	7	MIP coronal full FOV	5mmx2mm	standard
				destination
				pacs/TR
				pacs
				pacs
				pacs/TR
				pacs
				pacs
				pacs
Helical Set #3	body	thickness		recon
knees-feet	recon	part	spacing	algorithm
	1	knees-feet	0.625mmx 0.625mm	standard
				destination
				pacs
Scan Start/end location	Hepatic dome			
	bottom of feet			
DFOV	40cm			
IV contrast volume/type	100ml<250lbs 120ml>250lbs isovue 370			
	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.			

