

CTA Abd/Pelvis with run off 64 Toshiba

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 1cm superior to shoulder			
Topogram	AP mA50 kV120 /Lat mA 70 kV120			
kVp/Reference mass	135kv Sure Exp 3D(80-550)			
Rotation time/pitch	0.5\0.828			
Detector Configuration	64x0.5			
Table Speed/Increment	26.5			
Dose reduction	Sure Exp 3D			
Allowed CTDI ranges*	7mGy-50mGy			
XR29 Dose Notification value	50mGy			
Helical Set #1 non contrast ask in pt under 40	recon	body part	thickness spacing	recon algorithm destination
	1	a/p-feet	2mmx 2mm	standard pacs/TR
Helical Set #2 arterial	recon	body part	thickness spacing	recon algorithm destination
	1	a/p run off	2mmx 2mm	standard pacs/TR
	2	sag abd/pel	2mmx2mm	standard pacs
	3	coronal abd/pel	2mmx2mm	standard pacs
	4	thin a/p run off	.5mmx0.5mm	standard pacs/TR
	5	sag legs	2mmx2mm	statndard pacs
	6	coronal legs	2mmx2mm	standard pacs
	7	MIP coronal full fov	5mmx2mm	standard pacs
Helical Set 3 Immediate delay knee-feet	recon	body part	thickness spacing	recon algorithm destination
	1	lower legs	.5mmx .5mm	standard pacs
Scan Start	Hepatic dome			
end location	bottom of feet			
DFOV	40cm			
IV contrast volume/type	100ml<250lbs 120ml>250lbs isovue 370			
	Performed as directed by the supervising radiologist			
Scan delay	Surestart			
	bolus tracking in aorta T-12 level			
	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.			

Helical Set #1
arterial

recon	Helical Set #	recon
1	a/p run off	1 a/p

Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon
o run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1

Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon
o run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1

Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon
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Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon
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Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon
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Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	Helical Set : arterial	recon	
o run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/p run off	1	a/