

CTA Abd/Pelvis 16Sensation

Indications	trauma, acute aortic syndrome, suspected aneurysm/dissection																					
Diagnostic Task	Detect aneurysms, aortic dissections																					
Scan mode	Helical																					
Position/Landmark	Head first-Supine 1cm to shoulders/inspiration																					
Topogram	AP 50mA 120kV																					
kVp/Reference mass	120kv 200mas/Care Dose ON/100kv if pt under 140lbs																					
Rotation time/pitch	0.5/pitch 1.0																					
Detector Configuration	16x0.75																					
Table Speed/Increment	12																					
Dose reduction	CareDose 4D																					
Allowed CTDI ranges*	7mGy-50mGy																					
XR29 Dose Notification value	50mGy																					
Helical Set 1 NON CONTRAST	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 15%;">recon</th> <th style="width: 15%;">body part</th> <th style="width: 15%;">thickness spacing</th> <th style="width: 15%;">kernel</th> <th style="width: 15%;">window</th> <th style="width: 15%;">recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>Abd/Pelvis</td> <td>2mmx 2mm</td> <td>31medium smooth</td> <td>mediastinum</td> <td>pacs</td> </tr> <tr> <td colspan="7" style="text-align: center;">if patient under 40 ask about non contrast images</td> </tr> </tbody> </table>		recon	body part	thickness spacing	kernel	window	recon destination	1		Abd/Pelvis	2mmx 2mm	31medium smooth	mediastinum	pacs	if patient under 40 ask about non contrast images						
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Scan start/End location DFOV	Hepatic dome Symphysis pubis 40cm decrease appropriately																					
3D Technique Used	2x2 coronal and sag coronal abd/pel reformats from recon 2																					
	5x2 oblique coronal and oblique sag aorta MIP from recon 2																					
IV contrast volume/type	100ml isovue 370 3-4cc/sec																					
Scan delay	Bolus Tracking in aorta T-12 level Trigger is +100HU																					

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.

