

# ROUTINE NECK/CHEST/ABDOMEN/PELVIS 16 GE

<b>Indications</b>	For abdomen pain, lymphoma, restage ca, weight loss, fatigue				
<b>Diagnostic Task</b>	Detect masses, free fluid, abscess, mets				
<b>Scan mode</b>	Helical				
<b>Position/Landmark</b>	Head first-Supine sternal notch S225-I675				
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 30mA				
<b>kVp/Reference mass</b>	120kv Auto mA (100-440)				
<b>Rotation time/pitch</b>	Neck 0.7/1.375:1 C/A/P 0.8/1.375:1				
<b>Detector Configuration</b>	Neck16x0.625 C/A/P 16x1.25				
<b>Table Speed/Increment</b>	Neck 13.75 C/A/P 27.50				
<b>Dose reduction</b>	Noise Index neck 9.10 C/A/P 16.65				
<b>Allowed CTDI ranges*</b>	7mGy-50mGy				
<b>XR29 Dose Notification value</b>	50mGy				
<b>Helical Set 1 chest/abd/pelvis 60sec arms up</b>	recon	body part	thickness spacing	algorithm	recon destination
	1	abdomen/pelvis	2.5mmx 2.5mm	standard	pac
	2	lung	1.25mmx1.25mm	lung	pac
	3	sag abdomen	2mmx2mm	standard	pac
	4	coronal abdomen	2mmx2mm	standard	pac
	5	sag chest	2mmx2mm	standard	pac
	6	coronal chest	2mmx2mm	standard	pac
	7	axial MIP lung	10mmx2mm	lung	pac
<b>Helical Set 2 Neck 30second delay arms down</b>	recon	body part	thickness spacing	algorithm	recon destination
	1	neck	2.5mmx 2.5mm	standard	pac
	2	coronal neck	2mmx2mm	standard	pac
	3	sag neck	2mmx2mm	standard	pac
<b>Scan start</b>	C/A/P-1cm superior to shoulder/		neck-top of orbital roof		
<b>End location</b>	lesser trochanter /		neck base		
<b>FOV</b>	40cm		20cm		
	decrease appropriately				
<b>IV contrast-split bolus</b>	CAP <200lbs 75ml, 200-250lbs 100ml, >250lbs 125ml isovue 370				
	neck 50ml isovue 370				
	Performed as directed by a supervising radiologist				
<b>Delay</b>	chest/abd/pel 60-neck 30sec				
	WITH ORAL AND IV CONTRAST, MARK AREA OF PAIN WITH BB				
	Approximate values for CTDIvol				
	Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)	
	SMALL	50-70	110-155	10-17	
	AVERAGE	70-90	155-200	15-25	
	LARGE	90-120	200-265	22-35	
<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.				

