

# ROUTINE NECK/CHEST/ABDOMEN/PELVIS wo 64 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 Xiphoid S200-I620		
<b>Topogram</b>	AP 120kV 20mA Lat 120kV 40mA		
<b>kVp/Reference mass</b>	120kv Auto mA neck(200-500) CAP (300-700)		
<b>Rotation time/pitch</b>	NECK 0.5/0.516:1 C/A/P 0.5/0.984:1		
<b>Detector Configuration</b>	NECK 64x0.625 C/A/P 64x0.625		
<b>Table Speed/Increment</b>	NECK 20.62 C/A/P 39.37		
<b>Dose reduction</b>	NECK 12.60 C/A/P Noise Index 15.86		
<b>Allowed CTDI ranges*</b>	7mGy-50mGy		
<b>XR29 Dose Notification value</b>	50mGy		
<b>Helical Set 1</b>	recon	body part	thickness spacing
<b>Chest/abd/pelvis</b>			algorithm
			recon destination
<b>arms up</b>	1	chest/abdomen/pelvis	2.5mmx 2.5mm standard pacs
	2	lung	1.25mmx1.25mm lung pacs
	3	sag abdomen	2mmx2mm standard pacs
	4	coronal abdomen	2mmx2mm standard pacs
	5	sag chest	2mmx2mm standard pacs
	6	coronal chest	2mmx2mm standard pacs
	7	axial MIP lung	10mmx2mm standard pacs
<b>Helical Set 2</b>	recon	body part	thickness spacing
<b>Neck</b>			algorithm
			recon destination
<b>arms down</b>	1	neck	2mmx 2mm standard pacs
	2	coronal neck	2mmx2mm standard pacs
	3	sag neck	2mmx2mm standard pacs
<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>	na		
<b>Delay</b>	na		
	With oral , MARK AREA OF PAIN WITH BB		
	<b>Approximate Values for CTDIvol</b>		
	Patient size	weight(kg)	weight(lbs)
			CTDIvol(mGy)
	SMALL	50-70	110-155
	AVERAGE	70-90	155-200
	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.		

