

ROUTINE NECK/CHEST/ABDOMEN/PELVIS 64 GE

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,			
Diagnostic Task	Detect masses, free fluid, abscess, mets			
Scan mode	Helical			
Position/Landmark	Head first-Supine Xiphoid S200-I620			
Topogram	AP 120kV 20mA Lat 120kV 40mA			
kVp/Reference mass	120kv Auto mA neck(200-500) CAP (300-700)			
Rotation time/pitch	NECK 0.5/0.516:1 C/A/P 0.5/0.984:1			
Detector Configuration	NECK 64x0.625 C/A/P 64x0.625			
Table Speed/Increment	NECK 20.62 C/A/P 39.37			
Dose reduction	NECK 12.60 C/A/P Noise Index 15.86			
Allowed CTDI ranges*	7mGy-50mGy			
XR29 Dose Notification value	50mGy			
Helical Set 1	recon	body part	thickness spacing	recon destination
Chest/abd/pelvis				
60sec	1	chest/abdomen/pelvis	2.5mmx 2.5mm	standard pacs
arms up	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
Helical Set 2	recon	body part	thickness spacing	recon destination
Neck				
30 sec	1	neck	2mmx 2mm	standard pacs
arms down	2	coronal neck	2mmx2mm	standard pacs
	3	sag neck	2mmx2mm	standard pacs
Scan start	C/A/P-1cm superior to shoulder/		neck-top of orbital roof	
End location	lesser trochanter /		neck base	
FOV	40cm		20cm	
	decrease appropriately			
IV contrast-split bolus	CAP <200lbs 75ml, 200-250lbs 100ml, >250lbs 125ml isovue 370			
	neck 50ml isovue 370			
	Performed as directed by a supervising radiologist			
Delay	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
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.			

