

ROUTINE NECK CHEST/ABDOMEN/PELVIS wo 64 Toshiba

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,		
Diagnostic Task	Detect masses, free fluid, abscess, mets		
Scan mode	Helical		
Position/Landmark	Head or feet first-Supine		
Topogram	AP mA50 kV120 /Lat mA 70 kV120		
kVp/Reference mass	120kV average pt 135kV XL pt- Sure Exp 3D(120-550)		
Rotation time/pitch	NECK 0.5/1.484 C/A/P 0.5\1.484		
Detector Configuration	NECK 64X0.5 C/A/P 64x0.5		
Table Speed/Increment	NECK 47.5 C/A/P 47.5		
Dose reduction	Sure Exp 3D		
Allowed CTDI ranges*	7mGy-50mGy		
XR29 Dose Notification value	50mGy		
Helical Set #1	body	thickness	recon
Chest/abd/pelvis	recon	part	spacing
			algorithm
			recon destination
	1	chest/abdomen/pelvis	2mmx 2mm
	2	lung	1mmx1mm
	3	sag abdomen	2mmx2mm
	4	coronal abdomen	2mmx2mm
	5	sag chest	2mmx2mm
	6	coronal chest	2mmx2mm
	7	axial MIP lung	10x2
			standard
			lung
			standard
			standard
			standard
			standard
			lung sharp 2
			pac
			pac
			pac
			pac
			pac
			pac
			pac
Helical Set #2	body	thickness	recon
Neck-arms down	recon	part	spacing
			algorithm
			recon destination
	1	neck	2mmx 2mm
	2	coronal neck	2mmx2mm
	3	sag neck	2mmx2mm
			standard
			standard
			standard
			pac
			pac
			pac
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	na		
Delay	na		
	WITH ORAL 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.

