

ROUTINE NECK/CHEST/ABD/PELVIS

Siemens GO

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,				
Diagnostic Task	Detect masses, free fluid, abscess, mets				
Scan mode	Helical				
Position/Landmark	2cm superior to xiphoid/Inspiration				
Topogram	AP 30mA 130kV				
kVp/Reference mass	NECK 130kV 112mA CAP 130kV 99mA				
Rotation time/pitch	NECK 1.0/0.8 C/A/P 0.8/0.8				
Detector Configuration	NECK 32x0.7 C/A/P 32x0.7				
Table Speed/Increment	NECK 17.92 C/A/P 17.92				
Dose reduction	CareDose 4D				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification val	50mGy				
Helical Set#1 Chest/abd/pelvis	recon	body part	thickness spacing	kernel	window recon destination
60sec arms up	1	CAP	2mmx2mm	Br40	Mediastinum pacs
	2	Cor Chest	2mmx2mm	Br40	Mediastinum pacs
	3	Sag Chest	2mmx2mm	Br40	Mediastinum pacs
	4	Cor Abd	2mmx2mm	Br40	Mediastinum pacs
	5	Sag abd	2mmx2mm	Br40	Mediastinum pacs
	6	lung	1mmx1mm	Br60	lung pacs
	7	MIP Lung	10mmx2mm	Br36	lung pacs
	8	Super D	1mmx0.8mm	Br44	Mediastinum pacs
Helical Set#2 NECK	recon	body part	thickness spacing	kernel	window recon destination
30SEC arms down	1	neck	2mmx 2mm	Br40	Mediastinum pacs
	2	neck Cor	2mmx 2mm	Br40	Mediastinum pacs
	3	neck sag	2mmx 2mm	Br40	Mediastinum 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.				

