

ROUTINE NECK/CHEST WITHOUT Siemens GO UP

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		Chest 130kV 54mA				
Rotation time/pitch	NECK 1.0/0.8		Chest 0.33/1.5				
Detector Configuration	NECK 32x0.7		Chest 32x0.7				
Table Speed/Increment	NECK 17.92		Chest 33.6				
Dose reduction	CareDose 4D						
Allowed CTDI ranges*	7mGy-50mGy						
XR29 Dose Notification val	50mGy						
Helical Set#1	recon		body part	thickness spacing	kernel	window	recon destination
Chest							
arms up	1	Chest	2mmx2mm	Br40	Mediastinum	pac	
	2	Cor Chest	2mmx2mm	Br40	Mediastinum	pac	
	3	Sag Chest	2mmx2mm	Br40	Mediastinum	pac	
	4	lung	1mmx1mm	Br60	lung	pac	
	5	MIP Lung	10mmx2mm	Br36	lung	pac	
	6	Super D	1mmx0.8mm	Br44	Mediastinum	pac	
Helical Set#2	recon		body part	thickness spacing	kernel	window	recon destination
NECK							
arms down	1	neck	2mmx 2mm	Br40	Mediastinum	pac	
	2	neck Cor	2mmx 2mm	Br40	Mediastinum	pac	
	3	neck sag	2mmx 2mm	Br40	Mediastinum	pac	
Scan start	Chest-1cm superior to shoulder/			neck-top of orbital roof			
End location	L1			/ neck base			
FOV	40cm			20cm			
Delay	decrease appropriately						
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.						

3