

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	body		thickness		recon	
Chest	recon	part	spacing	kernel	window	destination
arms up	1	Chest	2mmx2mm	Br40	Mediastinum	pacs
	2	Cor Chest	2mmx2mm	Br40	Mediastinum	pacs
	3	Sag Chest	2mmx2mm	Br40	Mediastinum	pacs
	4	lung	1mmx1mm	Br60	lung	pacs
	5	MIP Lung	10mmx2mm	Br36	lung	pacs
	6	Super D	1mmx0.8mm	Br44	Mediastinum	pacs
Helical Set#2	body		thickness		recon	
NECK	recon	part	spacing	kernel	window	destination
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	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