

ROUTINE CHEST WITHOUT GO ALL

Indications	Cough, SOB, restage cancer, abnormal cxr					
Diagnostic Task	Detect nodules or masses and characterize their size and shape, abnormal fluid collections in chest					
Scan mode	Helical-inspiration					
Position/Landmark	Head first-Supine 1cm to shoulders-arms above head					
Topogram	AP 110kv 15mA					
kVp/Reference mass	120kV 54Eff mAs/Care Dose ON					
Rotation time/pitch	0.33/0.8					
Detector Configuration	32x0.7					
Table Speed/Increment	17.92					
Dose reduction	CareDose 4D, SAPHIRE 3					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set	recon	body part	thickness spacing	kernel	window	recon destination
	1	chest	2mmx 2mm	Br40	mediastinum	pac
	2	lung	1mmx 1mm	Br60	lung	pac
	3	Super D	1mmx.8mm	Br44	mediastinum	pac
	4	Lung Mip	10mmx2mm	Br36	lung	pac
	5	sag chest	2mmx2mm	Br40	mediastinum	pac
	6	cor chest	2mmx2mm	Br40	mediastinum	pac
Scan Start/end location	2cm superior to lung apices through adrenal glands/inferior aspect of L-1					
DFOV	35cm/decrease for lung recons decrease appropriately					
	Approximate Values for CTDIvol					
	Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)		
	SMALL	50-70	110-155	4-10		
	AVERAGE	70-90	155-200	8-16		
	LARGE	90-120	200-265	14-22		
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.					

