

ROUTINE CHEST WITHOUT 16 GE

Indications	Cough, SOB, restage cancer, abnormal cxr, F/U lung nodules				
Diagnostic Task	Detect nodules or masses and characterize their size and shape, abnormal fluid collections in chest				
Scan mode	Helical				
Position/Landmark	Head first-Supine Sternal Notch S25-I350				
Topogram	AP 120kV 20mA Lat 120kV 30ma				
kVp/Reference mass	120kv Auto mA (100-440)				
Rotation time/pitch	0.5/1.375:1				
Detector Configuration	16x0.625				
Table Speed/Increment	13.75				
Dose reduction	Noise Index 16.85				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set	body	thickness			recon
	recon	part	spacing	algorithm	destination
	1	chest	2.5mmx 2.5mm	standard	pac
	2	lung	1.25mmx 1.25mm	lung	pac
	3	sag chest	2mmx2mm	standard	pac
	4	coronal chest	2mmx2mm	standard	pac
	5	axial mip lung	10mmx2mm	standard	pac
6	Super D	1.25mmx0.625mm	standard	pac	
Scan Start/end location	2cm superior to lung apices				
	through adrenal glands/inferior aspect of L-1				
DFOV	35cm/decrease for lung recons				
IV contrast volume/type	na				
Scan delay	na				

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
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allowed range should not be performed unless approved by a radiologist.

