

ROUTINE CHEST WITHOUT 64 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 S50-I250												
Topogram	AP 120kV 20mA Lat 120kV 40mA												
kVp/Reference mass	120kv Auto mA (200-440)												
Rotation time/pitch	0.5/1.375:1												
Detector Configuration	64x0.625												
Table Speed/Increment	55												
Dose reduction	Noise Index 21.45												
Allowed CTDI ranges*	7mGy-50mGy												
XR29 Dose Notification value	50mGy												
Helical Set	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 25%; text-align: center;">body</td> <td style="width: 25%; text-align: center;">thickness</td> <td style="width: 35%; text-align: center;">recon</td> </tr> <tr> <td style="text-align: center;">recon</td> <td style="text-align: center;">part</td> <td style="text-align: center;">spacing</td> <td style="text-align: center;">algorithm</td> </tr> <tr> <td style="text-align: center;">destination</td> <td colspan="3"></td> </tr> </table>		body	thickness	recon	recon	part	spacing	algorithm	destination			
		body	thickness	recon									
	recon	part	spacing	algorithm									
	destination												
	1	chest	2.5mmx 2.5mm	standard	pacs								
	2	lung	1.25mmx 1.25mm	lung	pacs								
	3	sag chest	2mmx2mm	standard	pacs								
4	coronal chest	2mmx2mm	standard	pacs									
5	axial mip lung	10mmx2mm	standard	pacs									
6	Super D	1mmx0.8mm	standard	pacs									
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)
	SMALL	50-70	110-155
	AVERAGE	70-90	155-200
	LARGE	90-120	200-265
			CTDIvol(mGy)
			4-10
			8-16
			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.

