

# High Resolution Chest GO UP

<b>Indications</b>	Cough, interstitial lung disease, emphysema, bronchiectasis, asbestosis, restrictive lung disease					
<b>Diagnostic Task</b>	Detect nodules or masses and characterize their size and shape, abnormal fluid collections in chest					
<b>Scan mode</b>	Helical					
<b>Position/Landmark</b>	Head first-Supine 1cm to shoulders/inspiration					
<b>Topogram</b>	AP 15mA 110kV					
<b>kVp/Reference mass</b>	helical130kv 54mas					
<b>Rotation time/pitch</b>	0.8/1.5					
<b>Detector Configuration</b>	32x0.7					
<b>Table Speed/Increment</b>	33.6					
<b>Dose reduction</b>	CareDose 4D					
<b>Allowed CTDI ranges*</b>	7mGy-50mGy					
<b>XR29 Dose Notification value</b>	50mGy					
<b>Helical Set</b>	body		thickness		recon	
<b>Routine Chest</b>	recon	part	spacing	kernel	window	destination
	1 chest	axial	2mmx 2mm	Br40	mediastinum	pac
	2 chest	cor	2mmx 2mm	Br40	mediastinum	pac
	3 chest	sag	2mmx 2mm	Br40	mediastinum	pac
	4 lung		1mmx 1mm	Br60	lung	pac
	5 Lung	MIP	10mmx2mm	Br36	lung	pac
	6 Super	D	1mmx0.8mm	Br44	Mediastinum	pac
<b>supine experation</b>	body		thickness		recon	
	recon	part	spacing	kernel	window	destination
	1 Bilat	Lung high res	1mmx20mm	Br60	Lung	pac
<b>prone inspiration</b>	body		thickness		recon	
	recon	part	spacing	kernel	window	destination
	1 Bilat	Lung high res	1mmx20mm	Br60	Lung	pac
<b>Scan Start/end location</b>			lung apex lung base			
<b>DFOV</b>	35cm on full chest/FOV limited to just lungs on lung views					
<b>IV contrast volume/type</b>	none					
<b>Scan delay</b>	none					
	<b>Approximate Values for CTDIvol</b>					
	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		
<b>NOTE*</b>	*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.					

