High Resolution Chest GO ALL

Indications	Cough, interstitial lung disease, emphysema, bronchiectasis, asbestosis, restrictive lung disease
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 1cm to shoulders/inspiration
Topogram	AP 15mA 110kV
kVp/Reference mass	helical130kv 54mas
Rotation time/pitch	0.8/1.5
Detector Configuration	32x0.7
Table Speed/Increment	33.6
Dose reduction	CareDose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy

Helical Set
Routine Chest

recon	body part	thickness spacing	kernel	window	recon destination
1	chest axial	2mmx 2mm	Br40	mediastinum	pacs
2	chest cor	2mmx 2mm	Br40	mediastinum	pacs
3	chest sag	2mmx 2mm	Br40	mediastinum	pacs
4	lung	1mmx 1mm	Br60	lung	pacs
5	Lung MIP	10mmx2mm	Br36	lung	pacs
6	Super D	1mmx0.8mm	Br44	Mediastinum	pacs

supine experation

recon	body part	thickness spacing	kernel	window	recon destination
1	Bilat Lung high res	1mmx20mm	Br60	Lung	pacs

prone inspiration

recon	body part	thickness spacing	kernel	window	recon destination
1	Bilat Lung high res	1mmx20mm	Br60	Lung	pacs

Scan Start/end location: lung apex / lung base

DFOV: 35cm on full chest/FOV limited to just lungs on lung views

IV contrast volume/type	none
Scan delay	none

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.

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Approved by Dr Ellermeier Dr Mollard

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