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	pacs
2	lung	1mmx 1mm	Br60	lung	pacs
3	Super D	1mmx.8mm	Br44	mediastinum	pacs
4	Lung Mip	10mmx2mm	Br36	lung	pacs
5	sag chest	2mmx2mm	Br40	mediastinum	pacs
6	cor chest	2mmx2mm	Br40	mediastinum	pacs

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.

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Approved by Dr Ellermeier Dr Mollard