Routine Chest/abd/pelvis 16 Sensation

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue,
Diagnostic Task	Detect masses, free fluid, abscess, mets
Scan mode	Helical
Position/Landmark	2cm superior to xiphoid/Inspiration
Topogram	AP mA kV
kVp/Reference mass	120kv 200mas-100kv if pt under 140lbs
Rotation time/pitch	0.5/0.95
Detector Configuration	16x0.75
Table Speed/Increment	11.4
Dose reduction	CareDose 4D
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification valu	50mGy

Helical Set#1 Chest/abd/pelvis	recon	body part	thickness spacing	kernel	window	recon destination
	1	chest /abd/pelvis	2mmx2mm	31medium smooth	Mediastinum	pacs
	2	lung	1.5mmx1.5mm	60sharp	lung	pacs
	3	chest	1mmx0.8mm	31medium smooth	Mediastinum	mpr
	4	abd/pelvis	1mmx.8mm	31medium smooth	Mediastinum	mpr
	5	lung	1mmx.8mm	b20f smooth	lung	mpr
	2x2 coronal and sag chest reformats from helical set #1, recon 3(chest)					
	2x2 coronal and sag abdomen/pelvis reformats from helical set #1, recon 4(abd/pel)					
	10x2 axial MIP from helical set #1 recon 5					

Scan Start/end location	Helical set 1-Chest/A/P-1cm superior to shoulder
	lesser trochanter
DFOV	40cm
	decrease appropriately
IV contrast volume/type	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec
	Performed as directed by a supervising radiologist
Scan delay	60seconds
	WITH ORAL AND IV CONTRAST, MARK AREA OF PAIN WITH BB

Approximate Values for CTDIvol

Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)
SMALL	50-70	110-155	10-17
AVERAGE	70-90	155-200	15-25
LARGE	90-120	200-265	22-35

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.

Revision Date 7-18-2017/10-10-2017/4-20-2018
Approved by Dr Ellermeier and Mollard