

ROUTINE CHEST/ABDOMEN with 16 GE

Indications	For abdomen pain, lymphoma, restage ca, weight loss, fatigue			
Diagnostic Task	Detect masses, free fluid, abscess, mets			
Scan mode	Helical			
Position/Landmark	Head first-Supine sternal notch S25-I650			
Topogram	AP 120kV 20mA Lat 120kV 30mA			
kVp/Reference mass	120kv Auto mA (100-440)			
Rotation time/pitch	0.7/1.375:1			
Detector Configuration	16x1.25			
Table Speed/Increment	16.85			
Dose reduction	Noise Index 16.85			
Allowed CTDI ranges*	7mGy-50mGy			
XR29 Dose Notification value	50mGy			
Helical Set 60 sec delay	recon	body part	thickness spacing	recon algorithm destination
	1	abdomen	2.5mmx 2.5mm	standard pacs
	2	lung	1.25mmx1.25mm	lung pacs
	3	sag abdomen	2mmx2mm	standard pacs
	4	coronal abdomen	2mmx2mm	standard pacs
	5	sag chest	2mmx2mm	standard pacs
	6	coronal chest	2mmx2mm	standard pacs
	7	axial MIP lung	10mmx2mm	standard pacs
Scan start/end location	1cm superior to shoulder superior iliac crest			
IV contrast volume/rate	40cm decrease appropriately			
Scan delay	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec Performed as directed by a supervising radiologist 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.			

