

ROUTINE ABDOMEN 16 Sensation

Indications	For abdomen pain, lymphoma, vomiting, bloating, liver mets					
Diagnostic Task	Detect masses, diverticulitis, free fluid, appendicitis, abscess, obstruction					
Scan mode	Helical					
Position/Landmark	2cm superior to typhoid/Inspiration					
Topogram	AP 120kV 50mA					
kVp/Reference mass	120kv 160mas/100kv if pt under 140lbs					
Rotation time/pitch	0.5/0.75					
Detector Configuration	16x0.75					
Table Speed/Increment	9					
Dose reduction	CareDose 4D					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set #1	body thickness		recon		recon	
70 sec delay	recon	part	spacing	kernel	window	destination
	1	abd/pelvis	2mmx 2mm	31medium smooth	mediastinum	pac
	2	thin abd/pelvis	1mmx.8mm	31medium smooth	mediastinum	for mpr
	2x2 coronal and sag abd/pelvis reformats from helical set #1, recon 2					
Scan start/end location	1cm superior to diaphragm					
	through iliac crest					
IV contrast volume/rate	75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec					
Scan delay	70seconds					
	Performed as directed by the supervising radiologist					
	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 allowed range should not be performed unless approved by a radiologist.

