ROUTINE ABDOMEN/PELVIS
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
70 sec delay	recon part spacing kernel window destination
	1 abd/pelvis 2mmx 2mm 31medium smooth mediastinum pacs
	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
	lesser trochanters
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.			

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Approved by Dr Ellermeir/Mollard