

# NON CON ABDOMEN/PELVIS 16 Sensation

<b>Indications</b>	For abdomen pain, vomiting, bloating					
<b>Diagnostic Task</b>	Detect diverticulitis, free fluid, appendicitis, obstruction					
<b>Scan mode</b>	Helical					
<b>Position/Landmark</b>	2cm superior to xiphoid/Inspiration					
<b>Topogram</b>	AP 120kV 50mA					
<b>kVp/Reference mass</b>	120kv 160mas/100kv if pt under 140lbs					
<b>Rotation time/pitch</b>	0.5/0.75					
<b>Detector Configuration</b>	16x0.75					
<b>Table Speed/Increment</b>	9					
<b>Dose reduction</b>	CareDose 4D					
<b>Allowed CTDI ranges*</b>	7mGy-50mGy					
<b>XR29 Dose Notification value</b>	50mGy					
<b>Helical Set #1</b>	recon	part	spacing	kernel	window	destination
<b>60 sec delay</b>		body	thickness			recon
	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					
<b>Scan Start/end location</b>	1cm superior to diaphragm lesser trochanters					
<b>DFOV</b>	40cm decrease appropriately					
<b>IV contrast volume/type</b>	none					
<b>Scan delay</b>	scanned during valsalva if looking for hernia WITH ORAL CONTRAST ONLY					
	<b>Approximate Values for CTDIvol</b>					
	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
<b>NOTE*</b>	*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.					