

# NON CON ABDOMEN/PELVIS 64 Sensation

<b>Indications</b>	For abdomen pain, vomiting, bloating					
<b>Diagnostic Task</b>	Detect diverticulitis, free fluid, abscess, obstruction					
<b>Scan mode</b>	Helical					
<b>Position/Landmark</b>	2cm superior to xiphoid/Inspiration					
<b>Topogram</b>	AP 50mA 120kV					
<b>kVp/Reference mass</b>	120kv 200mas/100kv if pt under 140lbs					
<b>Rotation time/pitch</b>	0.5/0.8					
<b>Detector Configuration</b>	24x1.2					
<b>Table Speed/Increment</b>	23.04					
<b>Dose reduction</b>	CareDose 4D					
<b>Allowed CTDI ranges*</b>	7mGy-50mGy					
<b>XR29 Dose Notification value</b>	50mGy					
<b>Helical Set</b>		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	abd/pelvis	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pacs
3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pacs	
<b>Scan Start/end location</b>	1cm superior to diaphragm					
	lesser trochanters					
<b>DFOV</b>	40cm					
	decrease appropriately					
<b>3D Technique Used</b>	scanned during valsalva if looking for hernia					
<b>IV contrast volume/type</b>	none					
	WITH ORAL CONTRAST ONLY					

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.

