

# NON CON ABDOMEN 16 GE

<b>Indications</b>	For abdomen pain, vomiting, bloating				
<b>Diagnostic Task</b>	Detect diverticulitis, free fluid, obstruction				
<b>Scan mode</b>	Helical				
<b>Position/Landmark</b>	Head first-Supine S25-I500				
<b>Topogram</b>	AP 120kV 10mA Lat 120kV 20mA				
<b>kVp/Reference mass</b>	120kv Smart mA (75-440)				
<b>Rotation time/pitch</b>	0.8/1.375:1				
<b>Detector Configuration</b>	16x1.25				
<b>Table Speed/Increment</b>	27.5				
<b>Dose reduction</b>	Noise Index 15.86				
<b>Allowed CTDI ranges*</b>	7mGy-50mGy				
<b>XR29 Dose Notification value</b>	50mGy				
<b>Helical Set</b>	recon	body part	thickness spacing	algorithm	recon destination
	1	abdomen/pelvis	2.5mmx 2.5mm	standard	paces
	2	sag abdomen	2mmx2mm	standard	paces
	3	coronal abdomen	2mmx2mm	standard	paces
<b>Scan Start/end location</b>	1cm superior to diaphragm through iliac crest				
<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				

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.

