

# NON CON ABDOMEN

## Siemens GO ALL

<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 110kV 15mA					
<b>kVp/Reference mass</b>	120kv 99mas					
<b>Rotation time/pitch</b>	0.5/0.8					
<b>Detector Configuration</b>	32x0.7					
<b>Table Speed/Increment</b>	17.92					
<b>Dose reduction</b>	CareDose 4D, SAFIRE 3					
<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
		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	abd/pelvis axial	2mmx 2mm	Br40	abdomen	pacs
	2	abd/pelvis Cor	2mmx 2mm	Br40	abdomen	pacs
3	abd/pelvis Sag	2mmx 2mm	Br40	abdomen	pacs	
<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					
	<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.					

