

# CT Enterography

## Maximum CTDI 100

GE- 6003

Indication: Inflammatory Bowel Disease, Neoplasm, Small Bowel Tumors, **general abdominal pain, diarrhea.**

Note: **This exam is to be scanned on a 16 slice or greater scanner.**  
Need to use three 450ml bottles of Volumen as oral contrast .

PT Prep: IV contrast – Yes (follow IV contrast administration guidelines)  
20g to 18 g peripheral IV needed for contrast administration  
**Timing for Volumen: 50 minutes** prior to scan time.  
Patient will drink 1<sup>st</sup> 450cc bottle,  
**20 minutes** later drink 2<sup>nd</sup> 450cc bottle,  
**20 minutes** later drink half of 3<sup>rd</sup> bottle (225cc)  
**10 minutes** after that give the last 225cc  
Put patient on the table.

Series 1: Scouts AP & LAT – **PRONE** “O” at Xiphoid Process S20 to I500

**Series 2:** Arterial Phase 100 cc of IV contrast @ 4cc/sec (Contrast dose may be adjusted based on CrCl).

**Delay: 40 seconds** – Scan from lung bases to symphysis pubis

	<b>128 slice</b>	<b>32 slice w/ASIR</b>	<b>64 slice</b>	<b>64 slice w/ASIR</b>
Noise Level	18.23	13.31	11.60	11.60
Interval	2.5mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5mm	2.5 mm	2.5 mm	2.5 mm
Pitch	0.984:1	0.984:1	0.984:1	0.984:1
Speed mm/rotation	39.37	39.37	39.37	39.37
Detector Rows				
Detector Configuration				
Beam Collimation	40mm	40 mm	40 mm	40mm
Kv/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.8 sec	Helical Full 0.8 sec	Helical Full 0.8 sec	Helical Full 0.8 sec

Networking/ PACs: Send scouts  
Send series 2, Standard Soft Tissue Algorithm  
**Recon and send series 2 in Lung Algorithm**  
Recon and send series 2 in Bone Algorithm  
Send MPR  
Record DLP in PACS comments

Original Date: 4-8-04

Approved by: Dr. Rehfuss , MCR

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 04/17/13 12/15/2015 2/28/18

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