

CT Enterography Protocol

1. Indications:
 - a. Suspected or known Crohn's disease
 - b. Suspected or known small bowel tumors
 - c. Anemia, GI bleeding with negative upper GI and colon work up
 - d. Suspected small bowel abnormalities, malabsorption
 - e. This is NOT for ischemia (CT angiogram)

2. The exam should be scheduled between 9 am to 2 pm. (Radiologists are available)
Patients need to be NPO (except meds) for at least 6 hours.
This protocol is mainly for Outpatients who can tolerate drinking oral contrast.
Please notify radiologist in reading room if requested for inpatients.
(We need to find out if this exam can be done for inpatient condition:
Patient can drink contrast? Possible NG tube placement?
Possible slower small bowel transit time - patient on medication?
Limited Nursing staff monitoring oral contrast intake on the floor. Etc.)

3. Oral Contrast: VoLumen barium sulfate suspension (E-Z-EM)
 - Total 1350 cc VoLumen oral contrast drinking schedule as followed:
 - a. 450 cc (1 bottle) upon arrival (**90** minutes prior to CT scan time)
 - b. 450 cc (1 bottle) 30 minutes later (**60** minutes prior to scan time)
 - c. 450 cc (1 bottle) 30 minutes later (**30** minutes prior to scan time)
 - d. 250 cc (approximately ½ bottle) of WATER 15 minutes later (**15** minutes prior to scan time)

Nursing staff: (please note)
It is essential to closely monitor patient's intake according to the schedule, as it is important for the successful distension of the small bowel loops.

4. Please perform the exam on the 64 channel scanner (Room 1, 3, or 5)
IV contrast: 120 cc Omnipaque 300 or Omnipaque 350 (depends on weight)
Injection rate: 3 cc/second Scan delay: 60 seconds
Scan level: From the lung bases to pubic symphysis (cranial to caudal)
Section thickness: 2 mm Reconstruction interval: 1.5 mm

Automatic Coronal reformatted images are generated using following parameters:
Section thickness: 3 mm Reconstruction interval: 2 mm
- From anterior abdominal skin to the posterior gluteal skin: for possible fistula

5. Please send all the images to PACS. (axial and coronal images)
Please send the axial images, in different series, to Vitrea work station in the body section, labeled as "CT Enterography".
For coding purposes, this is still an abdomen and pelvis CT w/ IV contrast.

6. Questions:
Please contact Dr. Julie Champine, Dr. John Mang or Dr. Edward Chen