

## What is CT Enterography?

CT Enterography is considered by many to be the new gold standard radiologic imaging test of choice for the evaluation of disorders of the small bowel, including inflammatory bowel disease and its complications.

By combining the administration of special oral and IV contrast with high resolution CT imaging, CT Enterography yields a much more detailed evaluation of the intestines including the lumen, bowel wall and adjacent tissues.

### Indications:

Indications for CT Enterography include:

- ❖ Diagnosis, staging and follow-up of Crohn's Disease and its complications
- ❖ Evaluation of abdominal pain, diarrhea, bloating or low-grade small bowel obstruction
- ❖ Evaluation of anemia/obscure gastrointestinal bleeding/small bowel tumors
- ❖ Evaluation of diffuse small bowel diseases, such as celiac disease
- ❖ Screening for strictures prior to capsule endoscopy to decrease risk of capsule retention

### What to expect during CT Enterography?

- ❖ You will be asked to drink 3 bottles of a special kind of oral contrast, over approximately 45 minutes.
- ❖ Just prior to entering the CT suite, you will be asked to drink a full cup of water.
- ❖ You will be positioned on the CT table and an IV catheter will be inserted into a vein in your arm through which a special dye will be administered.
- ❖ You will be asked to hold your breath during the fast scanning time of typically 20 to 30 seconds. The examination is then complete.
- ❖ The total time for the exam is approximately 1.5 hours, compared to approximately 2 to 3 hours for the traditional barium small bowel series.

## Offices Conveniently

### Located in:

*Garden City*

*Great Neck*

*Hempstead*

*Jamaica Estates*

*Lake Success*

*Woodbury*



516-222-2022 [nrad.com](http://nrad.com)

## CT & MR ENTEROGRAPHY



*It's your body.  
It's your Life.*



## NRAD – Nassau Radiologic Group, P.C.

is pleased to offer two of the most recent advances in gastrointestinal imaging: CT Enterography and MR Enterography.



Active inflammation of Crohn's disease involving a loop of distal ileum.

CT and MR Enterography are new, noninvasive imaging techniques that provide doctors with detailed information about the intestines and surrounding soft tissues. These exams have proven far more effective than traditional barium studies in detecting inflammatory bowel disease, particularly Crohn's disease and its complications. They also help your physician make decisions about your treatment.

**Our CT scanners use automated exposure control to keep radiation dose as low as possible.**

## What is MR Enterography?

MR Enterography is a useful and complementary study to CT Enterography due to its improved tissue contrast. Magnetic Resonance (MR) Enterography uses a strong magnetic field and radiofrequency waves to provide detailed images of the bowel. As a result, MR Enterography does not involve radiation, a particular concern for young patients with chronic inflammatory bowel disease requiring multiple imaging studies over time. In addition, it can be performed for patients with allergies to CT intravenous contrast material, and it can provide functional, real time assessment of the bowel.

**Our physicians are Board Certified specialists in the field and are here to serve the community with the expertise our referrers and patients have come to expect.**

## What to expect during MR Enterography?

- ❖ MR Enterography uses the same drinking regimen of the oral contrast material as described previously for CT Enterography.
- ❖ After entering the MR suite, an IV catheter will be inserted into a vein in your arm through which intravenous contrast material will be administered during the exam.
- ❖ You will be positioned on the MR Table and multiple images will be obtained during a series of breath-holds.
- ❖ The scanning time on the MR table is approximately 45 to 60 minutes.
- ❖ The total time for the exam is approximately 2.5 hours compared to approximately 1.5 hours for CT Enterography.

## Indications:

Indications for MR Enterography are similar to those described for CT Enterography:

- ❖ Assessment of inflammatory bowel disease (including Crohn's disease, particularly perianal involvement)
- ❖ Low-grade small bowel obstruction
- ❖ Small bowel tumors



Thickened wall of the terminal ileum involved by Crohn's disease in an 18 year old man (arrows)

## Speak to your Physician...

if you believe you may benefit from CT or MR Enterography.

**To Schedule an appointment,  
please call  
516-222-2022**