



ACR APPROPRIATENESS CRITERIA:

MR Enterography is the imaging procedure of choice in multiple clinical settings.



VARIANT 1: Adult. Nonacute or indolent initial presentation. Mild to moderate abdominal pain or cramping. Suspected Crohn's Disease.

Radiologic Procedure	Rating	Comments	Relative Radiation Levels (RRL)
MR Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	N/A
CT Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	



VARIANT 2: Child. Initial presentation. Suspected Crohn's Disease.

Radiologic Procedure	Rating	Comments	Relative Radiation Levels (RRL)
MR Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	N/A
CT Enterography	8	The procedures are equivalent alternatives, and only one should be performed.	


VARIANT 3: Adult with known Crohn's Disease; acute exacerbation such as fever or increasing abdominal pain or leukocytosis.

Radiologic Procedure	Rating	Comments	Relative Radiation Levels (RRL)
MR Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	N/A
CT Enterography	8	The procedures are equivalent alternatives, and only one should be performed. Image quality may be degraded by patient severity of illness.	
CT abdomen and pelvis with IV contrast	8	The procedures are equivalent alternatives, and only one should be performed. It is a good choice if the patient is unable to tolerate the oral contrast requirements of CT Enterography.	


VARIANT 4: Child with known Crohn's Disease; acute exacerbation such as fever or increasing abdominal pain or leukocytosis.

Radiologic Procedure	Rating	Comments	Relative Radiation Levels (RRL)
MR Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	N/A
CT Enterography	7	The procedures are equivalent alternatives, and only one should be performed. Image quality may be degraded by patient severity of illness.	
CT abdomen and pelvis with IV contrast	7	The procedures are equivalent alternatives, and only one should be performed. It is a good option when a child is unable to tolerate MR Enterography due to severe acute presentation.	

VARIANT 5: Adult with known Crohn's Disease; stable, mild symptoms, and/or surveillance.

Radiologic Procedure	Rating	Comments	Relative Radiation Levels (RRL)
CT Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	
MR Enterography	8	The procedures are equivalent alternatives, and only one should be performed.	N/A

VARIANT 6: Adult. Nonacute or indolent initial presentation. Mild to moderate abdominal pain or cramping. Suspected Crohn's Disease.

Radiologic Procedure	Rating	Comments	Relative Radiation Levels (RRL)
MR Enterography	9	The procedures are equivalent alternatives, and only one should be performed.	N/A
CT Enterography	7	The procedures are equivalent alternatives, and only one should be performed.	

Sources:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5334501/>

<https://www.healio.com/gastroenterology/inflammatory-bowel-disease/news/print/healio-gastroenterology/%7B8713a862-08b7-441e-9076-2d4c8aafce1%7D/imaging-developments-in-crohns-disease>

<https://acsearch.acr.org/docs/69470/Narrative/>