

SA-CME Information

Description

Magnetic resonance enterography in inflammatory bowel disease

Inflammatory bowel disease (IBD), including Crohn's disease (CD) and ulcerative colitis (UC) is a chronic debilitating inflammatory disease that currently lacks a single gold standard diagnostic test. Magnetic resonance enterography (MRE) is an excellent modality for assessing IBD because it demonstrates a greater ability to depict submucosal pathology in comparison to other diagnostic modalities.

Although patient preparation for MRE often involves ingestion of various osmotic agents, recent research suggests that this may be unnecessary, as the high level of bowel wall contrast is sufficient even without bowel distention.

The ability to distinguish between acute forms of IBD and non-acute forms of IBD is an important role for MRI imaging. Acute flares will demonstrate mural increased T2 signal, best appreciated on fat saturation T2-weighted sequences. MRE also plays a role in the diagnosis of extra-enteric complications of IBD such as perirectal abscess or sclerosing cholangitis.

Learning Objectives

After completing this activity, the participant will be able to:

- Differentiate between acute and chronic inflammatory bowel disease using MRI sequences.
- Describe the role of magnetic resonance enterography in the diagnosis and management of inflammatory bowel disease.
- Explain how magnetic resonance enterography can be used to assess for extra-enteric complications of inflammatory bowel disease.

Accreditation/Designation Statement

The Institute for Advanced Medical Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Institute for Advanced Medical Education designates this journal-based CME activity for a maximum of 1 *AMA PRA Category 1 Credit™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

These credits qualify as SA-CME credits.

Author

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Target Audience

- Radiologists
- Related Imaging Professionals

System Requirements

You will need a computer with an updated browser and a printer. For assistance accessing this course online or printing a certificate, email CustomerService@AppliedRadiology.org

Instructions

This activity is designed to be completed within the designated time period. To earn credit, participants must complete the activity during the valid credit period. To receive SA-CME credit, you must:

1. Review this article in its entirety.
2. Visit www.appliedradiology.org/SAM2.
3. Login to your account or (new users) create an account.
4. Complete the posttest and review the discussion and references.
5. Complete the evaluation.
6. Print your certificate.

Estimated time for completion:	1 hour
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Disclosures

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