



Imaging of ulcerative colitis

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Abstract:	<p>During the past decade, the medical and surgical treatment of ulcerative colitis has undergone dramatic advances, including the widespread use of immunomodulators, biological drugs, and restorative proctocolectomy. In order to correctly balance the risks and benefits of medical therapies and surgical procedures, there is a need for improved diagnosis of colonic disease, acute complications, extraintestinal manifestations, and early and delayed postoperative complications. Cross-sectional imaging techniques are therefore playing an increasing role in the assessment of ulcerative colitis and provide an essential complement to clinical data and endoscopy. This practical, illustrated volume on the role of cross-sectional imaging is aimed at radiologists, gastroenterologists, and surgeons who are engaged or interested in the diagnosis and care of patients with inflammatory bowel disease, particularly ulcerative colitis. After an overview of diagnostic imaging techniques, state-of-the-art assessment of colorectal inflammatory disease with CT colonography using water enema and bowel MRI is discussed, followed by description of the plain radiographic and CT findings in patients with acute exacerbations and surgical complications. Subsequent chapters review the diagnostic findings and role of cross-sectional imaging in the assessment of sclerosing cholangitis (with emphasis on MR cholangiopancreatography), vascular complications (particularly portal and mesenteric thrombosis), colitis-associated colorectal cancer and perianal inflammatory disease. Normal postoperative appearances and early and delayed complications in patients treated with proctocolectomy and ileal pouch-anal anastomosis are also comprehensively reviewed.</p>
Contents:	<p>Introduction – Medical Needs – Intestinal Ultrasound in Ulcerative Colitis – Water Enema Multidetector CT Colonography: Technique, Role and Imaging Findings in Ulcerative Colitis – Magnetic Resonance Imaging of Ulcerative Colitis – Radiographic and CT Imaging Assessment of Acute Exacerbations and Surgical Complications – Cross-Sectional Imaging Mimics of Ulcerative Colitis – Hepato-Bilio-Pancreatic Complications of Ulcerative Colitis – Vascular Complications of Ulcerative Colitis – Neoplasms in Ulcerative Colitis – Musculoskeletal Manifestations of Ulcerative Colitis – Surgical Perspective on Perianal Complications in Ulcerative Colitis – Imaging of Perianal Inflammatory Disorders in Ulcerative Colitis – Ileal Pouch-Anal Anastomosis Surgery: Surgical Techniques – Imaging of Ileal Pouch Surgery and Related Complications.</p>
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