

## **SURVIVAL TRENDS AND COMPLICATIONS IN SURGICAL INTERVENTIONS FOR COLORECTAL CANCER: AN OVERVIEW OF PATIENTS HOSPITALIZED IN CLINICAL EMERGENCY HOSPITAL BUCHAREST**



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The preoperative imaging diagnosis of rectal cancer lies at the heart of oncological staging and has a crucial influence on patient management and therapy planning. Rectal cancer is common, and accurate preoperative staging of tumors using high-resolution magnetic resonance imaging (MRI) is a crucial part of modern multidisciplinary team management (MDT). Indeed, rectal MRI has the ability to accurately evaluate a number of important findings that may impact patient management, including distance of the tumor to the mesorectal fascia, presence of lymph nodes, presence of extramural vascular invasion (EMVI), and involvement of the anterior peritoneal reflection/peritoneum and the sphincter complex. Many of these findings are difficult to assess in nonexpert hands. In this lecture, we present currently used staging modalities with focus on MRI, including optimization of imaging techniques, tumor staging, interpretation help as well as essentials for reporting.

**Keywords:** rectal cancer, staging, MRI, protocol, reporting, 3D imaging