

1. Record Nr.	UNINA9910438025603321
Titolo	Rectal cancer : strategy and surgical techniques // Nicolo de Manzini, editor ; forewords by Gianluigi Melotti, Christian Meyer
Pubbl/distr/stampa	Milan ; ; New York, : Springer, c2013
ISBN	1-283-91181-7 88-470-2670-9
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (213 p.)
Collana	Updates in surgery, , 2280-9848
Altri autori (Persone)	ManziniNicolo de MelottiGianluigi MeyerChristian
Disciplina	616.99435059
Soggetti	Rectum - Cancer
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Copyright Page; Foreword; Foreword; Preface; Table of Contents; Contributors; 1 Epidemiology; 1.1 Introduction; 1.2 World; 1.2.1 USA; 1.2.2 Italy; 1.2.3 Conclusions; 1.3 Risk Factors; 1.3.1 Conclusions; References; 2 Pretherapeutic Diagnosis and Staging; 2.1 Introduction; 2.2 The Role of the Different Imaging Techniques in the Staging of Rectal Cancer; 2.2.1 Endoluminal Ultrasound; 2.2.2 Computed Tomography; 2.2.3 Magnetic Resonance Imaging; 2.3 MR Imaging - Technical Aspects; 2.4 Anatomy of the Rectum for Interpretation of MR Images 2.5 MRI in the Primary Staging of Rectal Cancer2.5.1 T-staging; 2.5.2 Locally Advanced Rectal Cancer; 2.5.3 N staging; 2.5.4 Circumferential Resection Margin; 2.6 MRI after Neoadjuvant Chemoradiation Therapy; References; 3 Pathology; 3.1 Introduction; 3.2 Role of the Surgeon; 3.3 Role of the Pathologist (Grossing Phase); 3.4 Role of the Pathologist (Microscopic Phase); References; 4 Molecular Parameters for Prognostic and Predictive Assessment in Colorectal Cancer; 4.1 Introduction; 4.2 Molecular Genetics of Colorectal Cancer; 4.3 Molecular Markers for Early Cancer Detection 4.4 Molecular Markers for Prognostic Assessment4.4.1 Prognostic Value of Genetic and Epigenetic Tumor Characteristics; 4.4.2 Prognostic Value of Individual Genetic Mutations; 4.4.3 Prognostic Value of Gene

Expression Profiling; 4.4.4 Prognostic Value of Immune Cell Infiltration; 4.5 Molecular Markers Predicting Response to Therapy; 4.5.1 Predictive Value of Genetic and Epigenetic Tumor Characteristics; 4.5.2 Predictive Value of Specific Genetic Variations; 4.5.3 Predictive Value of Gene Expression Profiling; 4.5.4 Genetic Polymorphisms Affecting Drug Efficacy  
4.5.5 The Tumor Microenvironment and its Predictive Potential  
4.6 Peculiarity of Rectal Cancer; References; 5 Neo- and Adjuvant Therapy; 5.1 Introduction; 5.2 Integrating New Drugs in Combined Modality of Neoadjuvant and Adjuvant Treatment of Rectal Cancer; 5.2.1 Chemotherapy; 5.2.2 Biological Agents; 5.3 Palliative Therapy (Stage IV at Diagnosis); References; 6 Perioperative Treatment; 6.1 Introduction; 6.2 Intestinal Preparation; 6.3 Anesthesia; 6.3.1 Pre-anesthetic Medication; 6.3.2 Managing Infusion Therapy in the Perioperative Period; 6.3.3 Postoperative Analgesia  
6.4 Antithrombotic Prophylaxis  
6.5 Antibiotic Prophylaxis; 6.6 Nutrition; 6.6.1 Preoperative Nutrition; 6.6.2 Postoperative Nutrition; 6.7 Nasogastric Probe (NGP); 6.8 Bladder Catheter; 6.9 Abdominal Drainage; 6.10 Quick Mobilization; 6.11 Conclusions; References; 7 Surgical Technique; 7.1 Introduction; 7.2 Position of the Patient and the Surgical Team; 7.3 Surgical Anatomy; 7.4 An Important Issue: Margins; 7.5 Vascular Phase; 7.6 Pelvic Phase; 7.7 PME and TME; 7.8 Intersphincteric Resection; 7.9 Abdomino-perineal Amputation; 7.10 TEM; 7.11 Hartmann; References  
8 Nerve-sparing Technique in Rectal Cancer

---

## Sommario/riassunto

This book gives an updated and detailed overview of diagnostic and therapeutic strategies for rectal cancer. Rectal cancer has become an increasing and serious disease in western countries, mainly linked to lifestyle and bad alimentation habits. This specific cancer is not only a threat to the lifespan of patients, but also has a heavy impact on quality of life, due to its implications in the fecal, urinary and sexual functions. Recent guidelines of prevention and early diagnosis, as well as current and future diagnostic and staging work-up, are here presented in a clear and convincing way, linking each topic to the therapeutic options arising from the staging and including a chapter on the molecular evaluation of the tumor. To complete the multifaceted approach to this particular pathology, a large part is devoted to the in-hospital care of rectal cancer patients, beginning from the fast-track procedures and the enhanced recovery systems, up to the in-depth description of the available of surgical techniques, including salvage situations, accidents, complications, and their treatment. A final chapter will be dedicated to the follow-up policy and its advantages.

---