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Nota di contenuto	<p>""Operative Techniques in Laparoscopic Colorectal Surgery"";</p> <p>""Preface""; ""Acknowledgment""; ""Contents""; ""SECTION 1 Instrumentation, Requirements, and Perioperative Care Pathways""; ""1 Training, Initial Case Selection, and Postoperative Care""; ""2 Equipment, Operating Room Setup, and Patient Positioning""; ""3 Port Placement, Laparoscopic Specimen Extraction Site, and Port Site Closure""; ""SECTION 2 Key Steps""; ""4 High and Low Ligation of the Inferior Mesenteric Artery""; ""5 Ileocolic Artery Ligation""; ""6 Hepatic Flexure Mobilization""; ""7 Mobilization of the Splenic Flexure""</p> <p>""8 Mobilizing the Mesorectum""""9 Division of the Upper and Lower Rectum""; ""10 Stapled Coloanal and Colorectal Anastomoses""; ""11 Specimen Extraction for Very Low Tumors and Handsewn Coloanal Anastomosis""; ""SECTION 3 Operative Procedures""; ""12 Laparoscopic Right Hemicolectomy""; ""13 Hand-Assisted Laparoscopic Right Hemicolectomy""; ""14 Robotic Single-Port Right Hemicolectomy""; ""15 Laparoscopic Sigmoid Colectomy""; ""16 Hand-Assisted Laparoscopic Sigmoid Colectomy""; ""17 Laparoscopic Total Abdominal Colectomy with Ileorectal Anastomosis""</p>

""18 Total Proctocolectomy with Ileal Pouch-Anal Anastomosis""""19
Single-Incision Laparoscopic Total Abdominal Colectomy with End
Ileostomy""; ""20 Laparoscopic Low Anterior Resection""; ""21
Laparoscopic Abdominoperineal Resection""; ""22 Robotic-Assisted Low
Anterior Resection""; ""23 Laparoscopic Wella€?s Rectopexy""; ""24
Laparoscopic Resection Rectopexy""; ""25 Laparoscopic Loop Ileostomy
and Loop Colostomy Formation""; ""26 Laparoscopic Hartmanna€?s
Procedure""; ""27 Laparoscopic Reversal of Hartmanna€?s Procedure"";
""SECTION 4 Dealing with Complications and Difficult Situations""
""28 Complications and Difficulties""""29 Additional Operative
Procedures""; ""Index""

Sommario/riassunto

Laparoscopic surgery has been established as a safe, effective approach in the management of colorectal disease. Compared with open surgery, laparoscopy is associated with decreased postoperative analgesia requirements, faster return of bowel function and resumption of oral intake, shorter hospital stay, and better cosmetic repair. Now in its Second Edition, Operative Techniques in Laparoscopic Colorectal Surgery gives surgeons the learning tools they need to understand and successfully incorporate laparoscopic colorectal surgery into their practice. This edition goes to great lengths to cover

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Sommario/riassunto	Technology is changing the manufacturing world. For example, sensors are being used to track inventories from the manufacturing floor up to a retail shelf or a customer's door. These types of interconnected systems have been called the fourth industrial revolution, also known as Industry 4.0, and are projected to lower manufacturing costs. As industry moves toward these integrated technologies and lower costs, engineers will need to connect these systems via the Internet of Things (IoT). These engineers will also need to design how these connected systems interact with humans. The focus of this Special Issue is the smart sensors used in these human-robot collaborations.