## Contents

1. **History of Colonoscopy**
   Jeanette Zhang and Howard M. Ross
   1

2. **Anatomic Basis of Colonoscopy**
   Ron G. Landmann and Todd D. Francone
   9

3. **Colonoscopy Photo Atlas**
   Daniel L. Feingold
   23

4. **How to Achieve High Rates of Bowel Preparation Adequacy**
   Quinton Hatch, Rubina Ratnaparkhi, and Scott R. Steele
   41

5. **Patient Comfort During Colonoscopy**
   Charles B. Whitlow
   49

6. **VTE Prophylaxis: How to Optimize Patients on Anticoagulation and Avoid Infectious Complications**
   John R.T. Monson and Reza Arsalani Zadeh
   57

7. **Endoscopic Equipment and Instrumentation**
   Jacob Eisdorfer and David E. Rivadeneira
   65

8. **Basic Colonoscopic Techniques to Reach the Cecum**
   W. Brian Sweeney
   77

9. **Basic Colonoscopic Interventions: Cold, Hot Biopsy Techniques, Submucosal Injection, Clip Application, Snare Biopsy**
   Steven A. Lee-Kong and Daniel L. Feingold
   91

10. **Current Guidelines for Colonoscopy**
    Nallely Saldana-Ruiz and Andreas M. Kaiser
    97

11. **Difficult Colonoscopy: Tricks and New Techniques for Getting to the Cecum**
    Daniel L. Feingold and Steven A. Lee-Kong
    107

12. **How to Recognize, Characterize, and Manage Premalignant and Malignant Colorectal Polyps**
    Jeong-Sik Byeon
    115

13. **Detection: (CQI) Quality Measures and Tools for Improvement**
    Matthew M. Philp
    131

14. **Advanced Endoscopic Imaging: Polyps and Dysplasia Detection**
    Jacques Van Dam and Anna Skay
    141

15. **Endoscopic Mucosal Resection (EMR)**
    Husayn Ladhani, Helmi Khadra, and Jeffrey Marks
    149
16  Endoscopic Mucosal Dissection ................................................................. 159
    Cigdem Benlice and Emre Gorgun

17  Applications of Intraoperative Endoscopy ............................................... 169
    Kyle Cologne and Joongho Shin

18  Combined Endoscopic and Laparoscopic Surgery (CELS) ....................... 175
    Kelly A. Garrett and Sang W. Lee

19  Endoluminal Colorectal Stenting ............................................................... 185
    Zoltan Lackberg and Maher A. Abbas

20  How to Avoid Complications/Treatment of Endoscopic Complications ...... 197
    Nicole M. Saur and Joshua I.S. Bleier

21  Alternative Colorectal Imaging ................................................................. 207
    Christina W. Lee, Perry J. Pickhardt, and Gregory D. Kennedy

22  Current Endoluminal Approaches: Transanal Endoscopic Microsurgery, Transanal Minimally Invasive Surgery and Transanal Total Mesorectal Excision .................................................. 217
    Cici Zhang and Patricia Sylla

23  Future Endoscopic Tools and Platforms for Endoluminal Surgery .......... 245
    Kiyokazu Nakajima and Jeffrey W. Milsom

Index ............................................................................................................. 257
Advanced Colonoscopy and Endoluminal Surgery
Lee, S.W.; Ross, H.M.; Rivadeneira, D.E.; Steele, S.R.; Feingold, D.L. (Eds.)
2017, XIII, 265 p. 314 illus., 278 illus. in color., Hardcover
ISBN: 978-3-319-48368-9