
Contents

Part I Historical Perspective and Gastric Pathophysiology

1 The Historical Perspective of Gastric Cancer	3
Michael A. Rogy and Marius A. Bunger	
2 Epidemiology of Gastric Cancer.....	23
Massimo Rugge, Matteo Fassan and David Y. Graham	
3 Molecular Mechanisms in Gastric Carcinogenesis	35
Jonathan Cools-Lartigue, Laura Baker and Lorenzo E. Ferri	
4 Pathology of Gastric Cancer	57
Laura H. Tang and Luke V. Selby	
5 Role of HER2 in Gastric Cancers.....	77
Elizabeth Won and Yelena Y. Janjigian	
6 Pathophysiology of Hereditary Diffuse Gastric Cancer	91
Sharon Pattison and Alex Boussioutas	
7 Western Perspective and Epidemiology of Gastric Cancer	111
Giovanni de Manzoni, Daniele Marrelli, Giuseppe Verlato, Paolo Morgagni and Franco Roviello	

Part II Diagnostic Techniques for Gastric Cancer

8 Diagnosis, Staging, and Workup of Gastric Cancer	127
Arvind Sabesan and Joseph J. Bennett	
9 Endoscopy and Endoscopic Ultrasound Examination of the Stomach	143
Mark A. Schattner and John Chi To Wong	
10 The Role of Staging Laparoscopy and Peritoneal Cytology in Gastric Cancer.....	155
James P. De Andrade, James J. Mezhir and Vivian E. Strong	

Part III Gastric Resection and Postoperative Management

- 11 Endoscopic Resection for Gastric Cancer**..... 163
Yoshihiro Komatsu and Blair Anderson Jobe
- 12 Methods of Reconstruction—BI, BII, Roux-en-Y, Jejunum Interposition, Proximal Gastrectomy and Pouch Reconstruction** 175
Daniel E. Stange and Jürgen Weitz
- 13 Lymphadenectomy—D1, D2, and D3**..... 185
Johan L. Dikken and Henk H. Hartgrink
- 14 Open Methods of Resection and Reconstruction for Subtotal and Total Gastrectomy** 199
Brian Badgwell and Paul F. Mansfield
- 15 Laparoscopic Methods of Resection and Reconstruction for Subtotal and Total Gastrectomy with D2 Lymphadenectomy**..... 211
Han-Kwang Yang and Do Joong Park
- 16 Robotic Methods of Resection and Reconstruction for Subtotal and Total Gastrectomy with D2 Lymphadenectomy** 229
Taecil Son and Woo Jin Hyung
- 17 Managing Early and Late Postoperative Complications Following Gastric Surgery** 239
Brian Badgwell, Ryan Day and Thomas Aloia
- 18 Hereditary Diffuse Gastric Cancer** 251
George Poultsides and Jeffrey A. Norton
- 19 Surveillance After Gastric Resection**..... 255
Domenico D’Ugo, Alberto Biondi, Andrea Tufo, Gianluca Baiocchi and Roberto Persiani
- 20 Surgical Trials for Gastric Cancer** 271
Daniel Reim, Alexander Novotny and Christoph Schuhmacher

Part IV Neoadjuvant and Adjuvant Treatments for Gastric Cancer and Targeted Therapy

- 21 Neoadjuvant and Adjuvant Treatment—Strategies and Clinical Trials—Western Perspective** 297
Geoffrey Y. Ku and David H. Ilson

22 Adjuvant and Neoadjuvant Treatment: Standard Treatment and Clinical Trials in the East.....	303
Mitsuru Sasako	
23 Radiation Treatment for Gastric Cancer.....	307
Carla Hajj and Karyn A. Goodman	
24 Targeted Therapy and Novel Agents for the Treatment of Gastric Cancer: A View Toward the Future.....	317
Georgios D. Lianos, Alberto Mangano, Stefano Rausei, Aikaterini Lianou, Zoi Anastasiadi, Gianlorenzo Dionigi and Dimitrios H. Roukos	
Index.....	331

Gastric Cancer

Principles and Practice

Strong, V.E. (Ed.)

2015, XVI, 333 p. 80 illus., 65 illus. in color., Hardcover

ISBN: 978-3-319-15825-9