Contents

Part 1 Basic Principles

1 Basic Principles and Technology 3
W. Plies, M. Stief

2 Indications 9
J. Janssen, L. Greiner

3 Examination Technique and General Principles 11
J. Janssen, L. Greiner

Part 2 Normal Anatomy and Landmarks – Imaging Techniques
U. Will, E. Burmester, J.-U. Erk

4 Esophagus and Mediastinum 23

5 The Stomach and Paragastric Region 33

6 The Duodenum and Pancreatobiliary System 47

Part 3 Pathology
E. Burmester, J.-U. Erk, C. Jakobeit and L. Welp
J. Janssen and L. Greiner, P. Kann, T. Rösch,
H. Seifert, P. Vilmann and G. K. Jacobsen,
U. Will, M. Wittenberg

7 Esophagus 59

8 Mediastinum 67

9 Stomach 73

10 Pancreas 89

11 Biliary Tract 101

12 Papilla of Vater 105

13 Vessels 109

14 Adrenal Glands 115

15 Miscellareous Findings 119

Part 4 Diagnostic Fine-Needle Biopsy
P. Vilmann and G. K. Jacobsen

16 Indications 125

17 EUS-FNA Technique 139

18 Cytopathology Interpretation 147

19 Study Results 151

20 Limitations and Complications 153

Part 5 Therapy

21 Interventional Therapeutic Endosonography: Current Status 157
H. Seifert

22 Interventional Therapeutic Endosonography: Future Perspectives 163
Y. K. Chen, K. J. Chang

Appendix

References 171

Abbreviations 175

Tumor Staging Classifications 177

Subject Index 179

http://www.springer.com/978-3-540-65586-2

Longitudinal Endosonography
Atlas and Manual for Use in the Upper Gastrointestinal Tract
Rösch, T.; Will, U.; Chang, K.J. (Eds.)
2001, X, 185 p., Hardcover
ISBN: 978-3-540-65586-2