

Contents

1	Anatomy and Physiology G. STEVENSON and N. C. GOURTSOYIANNIS	1
2	Pathology Pertinent to Radiology T. S. EMORY, H. A. CARPENTER, C. J. GOSTOUT, L. H. SOBIN, and A. M. ELSAYED	11
2.1	Pathology of Non-tumorous Lesions of the Small Intestine T. S. Emory, H.A. Carpenter, C. J. Gostout, and L.H. Sabin	11
2.2	Pathology of Small Intestinal Neoplasms A. M. Elsayed and L. H. Sabin	37
3	Imaging Techniques and Principles of Interpretation D. J. NOLAN, S. R. WILSON, E. BALTHAZAR, S. J. SKEHAN, J. R. MERNAGH, C. NAHMIAS, N. C. GOURTSOYIANNIS, N. PAPANIKOLAOU, A. RIEBER, H. J. BRAMBS, P. PRASSOPOULOS, J. R. FRASER CUMMINGS, A. J. MORRIS, and J. E. JACKSON	59
3.1	Barium Studies D. J. NOLAN	59
3.2	Evaluation of the Small Intestine by Ultrasonography S. R. WILSON	73
3.3	Evaluation of the Small Intestine by Computed Tomography E. J. BALTHAZAR	87
3.4	Evaluation of the Small Intestine by Nuclear Medicine Studies S. J. SKEHAN, J. R. MERNAGH, and C. NAHMIAS	131
3.5	Evaluation of the Small Intestine by Magnetic Resonance Imaging N. C. GOURTSOYIANNIS, N. PAPANIKOLAOU, A. RIEBER, H.J. BRAMBS, and P. PRASSOPOULOS	157
3.6	Endoscopic Evaluation of the Small Intestine J. R. F. CUMMINGS and A. J. MORRIS	171
3.7	Visceral Angiography: Diagnostic and Therapeutic Procedures in the Small Intestine J. E. JACKSON	179
4	Congenital and Developmental Abnormalities of the Small Bowel S. SOMMERS	207

5	Small Intestinal Motility Disorders A. PFEIFFER and G. ANTES	223
5.1	Physiology and Pathophysiology of Small Bowel Motility A. PFEIFFER	223
5.2	Radiology of Small Bowel Motility Disorders G. ANTES	235
6	Radiology of the Duodenum D. J. NOLAN	247
7	Diseases of the Small Intestine E. L. WOLF, P. TAOUREL, B. GALLIX, P. M. BLAYAC, J. M. BRUEL, J. W. A. J. REEDERS, L. E. DERCHI, O. EKBERG, C.-H. FLORÉN, H. HERLINGER, N. C. GOURTSOYIANNIS, H. JI, R. D. ODZE, P. R. ROS, and H. K. HA	261
7.1	Radiology of the Acute and Chronic Small Intestinal Ischemia and Vascular Lesions of the Small Bowel E. L. WOLF	261
7.2	Radiology of Small Intestinal Obstruction P. TAOUREL, B. GALLIX, P. M. BLAYAC, and J. M. BRUEL	283
7.3	Radiology of Crohn's Disease J. W. A. J. REEDERS and L. E. DERCHI	299
7.4	Radiology of Malabsorption O. EKBERG and C.-H. FLORÉN	339
7.5	Radiology of Immunologic Disorders H. HERLINGER	359
7.6	Benign Small Intestinal Neoplasms N. C. GOURTSOYIANNIS, H. JI, R. D. ODZE, and P. R. ROS	385
7.7	Malignant Small Intestinal Neoplasms N. C. GOURTSOYIANNIS, H. JI, R. D. ODZE, and P. R. ROS	399
7.8	Parasitic and Infectious Diseases of the Small Intestine H. K. HA	429
8	Radiologic Approach to Investigation of the Small Intestine J. C. LAPPAS and D. D. T. MAGLINTE	447
	Subject Index	465
	List of Contributors	475