Contents

Part I  Introduction

Historical Background, Anatomy and Function, Etiology and Epidemiology ........................................ 3
Caroline Keyzer

Part II  Treatment Approaches and Issues in Patients with Suspected Acute Appendicitis

Clinical Presentation of Acute Appendicitis: Clinical Signs—Laboratory Findings—Clinical Scores, Alvarado Score and Derivate Scores ....................................... 13
David J. Humes and John Simpson

Appendicitis Perforation Rates and Time Interval between Symptom Onset and Surgery ............................... 23
Tehillah S. Menes and Nina A. Bickell

Negative Appendectomy Rate and Implications of Removing a Normal Appendix ....................................... 35
Wim T. van den Broek

Laparoscopy and Laparotomy .................................................. 45
Ravikrishna Mamidanna and Omar Faiz

Treatment of Appendiceal Perforation ........................ 57
Alex M. Almoudaris and Omar Faiz

Part III  Imaging of Acute Appendicitis in Adults

Imaging of Acute Appendicitis in Adults: Radiography ........................................ 69
Ronald L. Eisenberg

Imaging of Acute Appendicitis in Adults: Ultrasonography ........................................ 77
R. Brooke Jeffrey
Radiation Dose from MDCT Examinations for Suspected Acute Appendicitis ............................... 233
Denis Tack and Caroline Keyzer

Part VI Concluding Remarks

Summary and Perspectives ............................... 251
Caroline Keyzer and Pierre Alain Gevenois

Index ......................................................... 253
Imaging of Acute Appendicitis in Adults and Children
KEYZER, C.; Gevenois, P.A. (Eds.)
2012, IX, 256 p., Hardcover
ISBN: 978-3-642-17871-9