

Contents

Contributors, vii

Preface, xi

Foreword, xii

Part 1 Pathobiolog y of the Liver and Biliary Tract

- 1 The Liver and Biliary Apparatus: Basic Structural Anatomy and Variations, 3 *Nirusha Lachman and Wojciech Pawlina*
- 2 Immunology of the Liver and Mechanisms of Inflammation, 17 *Konstantinos N. Lazaridis*

Part 2 Diagnostic Approaches in Liver Disease

- 3 Approach to History Taking and Physical Examination in Liver and Biliary Disease, 25 David D. Douglas
- 4 Assessment of Abnormal Liver Injury Tests, 32 Mashal Jatoi Batheja and Hugo E. Vargas
- 5 Imaging of the Liver and Biliary Tree, 38 Alvin C. Silva
- 6 Endoscopic Techniques in Management of the Liver and Biliary Tree: Upper Gastrointestinal Endoscopy, 55 Hugo E. Vargas
- 7 Endoscopic Techniques in Management of the Liver and Biliary Tree: Endoscopic Retrograde Cholangiopancreatography and Biliary Manometry, 61
 Todd H. Baron

- 8 Endoscopic Techniques in Management of the Liver and Biliary Tree: Endoscopic Ultrasonography, 71
 Ferga C. Gleeson and Elizabeth Rajan
- 9 Liver Biopsy and Paracentesis, 80 John J. Poterucha and Timothy J. Gunneson

Part 3 Problem-based Approach to Liver Disease

- 10 Jaundice and Pruritus: A Diagnostic Approach, 89
 Andrea A. Gossard and Keith D. Lindor
- 11 Liver Mass Found on Abdominal Imaging, 95 Thomas J. Byrne
- 12 Right Upper Quadrant Abdominal Pain, 105 Feng Li and Cuong C. Nguyen
- 13 Acute Liver Failure, 113 J. Eileen Hay

Part 4 Problems Related to Chronic Liver Disease

- 14 Portal Hypertension, 127 Nayantara Coelho-Prabhu and Patrick S. Kamath
- 15 Hepatocellular Carcinoma, 144 Lewis R. Roberts
- 16 Pregnancy and Liver Disease, 152 Elizabeth J. Carey and J. Eileen Hay
- 17 Biliary Atresia and Cystic Fibrosis: Transitioning Care from Pediatrics to Internal Medicine, 164 Veena Venkat and Benjamin L. Shneider

Part 5 Diseases of the Liver

- 18 Acute Viral Hepatitis: Hepatitis A, Hepatitis E, and Other Viruses, 175
 Juan F. Gallegos-Orozco and Jorge Rakela
- 19 Hepatitis B and C, 186W. Ray Kim and John J. Poterucha
- 20 Bacterial and Other Non-viral Infections of the Liver, 200 Maria Teresa A. Seville, Ann McCullough, and Shimon Kusne
- 21 Metabolic Liver Diseases, 216 John B. Gross
- 22 Hepatic Steatosis and Non-alcoholic Fatty Liver Disease, 224 Paul Angulo
- 23 Drug-induced Liver Injury, 235 Einar S. Björnsson and Naga Chalasani
- 24 Alcoholic Liver Disease, 243 Helga Paula and Vijay Shah
- 25 Autoimmune Liver Diseases, 250 Jayant A. Talwalkar and Keith D. Lindor
- 26 Vascular Diseases of the Liver, 261 Bashar A. Aqel
- 27 Hepatic Complications of Bone Marrow Transplantation, 275 Kelly K. Curtis, James L. Slack, and Hugo E. Vargas
- 28 Hepatic Manifestations of Systemic Diseases, 288 Stephen Crane Hauser

Part 6 Liver Transplantation

29 Indications and Selection of Patients for Liver Transplantation, 299 Saleh Alqahtani and Kymberly D.S. Watt

- 30 What Hepatologists Should Know About Liver Transplant Surgery, 305 Kristin L. Mekeel and David C. Mulligan
- 31 Immunosuppression in Liver Transplantation, 317 David J. Post and David D. Douglas
- 32 Liver Transplantation: Early and Long Term Management and Complications, 327 *Chakri Panjala and Denise M. Harnois*

Part 7 Problem-based Approach to Biliary Tract and Gall-bladder Disease

- 33 Gall Stones, Gall-bladder Polyps and Their Complications: Epidemiology, Pathogenesis, Diagnosis, and Management, 349
 Ethan D. Miller and M. Edwyn Harrison
- 34 Functional Gall-bladder and Sphincter of Oddi Disorders, 365 Bret T. Petersen
- 35 Cancer of the Gall Bladder and Biliary Tree, 374 David J. Rea, David M. Nagorney, and Charles B. Rosen
- 36 Biliary Strictures and Leaks, 383 Erin W. Thackeray and William Sanchez

Index, 393

A companion website for this book is available at: **practicalgastrohep.com**