Endoscopic Ultrasound

Edited by

Vanessa M. Shami, MD
Director of Endoscopic Ultrasound
University of Virginia Health System
Digestive Health Center, USA

and

Michel Kahaleh, MD
Director of Pancreatico-Biliary Services
University of Virginia Health System
Digestive Health Center, USA

Humana Press
Endoscopic ultrasound has revolutionized the approach to lesions inside and outside the gastrointestinal tract. It has opened the door for gastroenterologists to explore organs outside of the GI lumen, such as the lymph nodes, lung, pancreas, and liver. Few textbooks provide detailed information on the techniques, indications, and the future of EUS, and the technology is advancing rapidly. The purpose of this text is to provide an updated reference on endoscopic ultrasound, as well as focus on new and expanding technologies related to this field.

The key to understanding endoscopic ultrasound is the instrumentation and technology, which are addressed in the opening chapters. Following chapters describe the utility of EUS in different parts of the body and compartmentalizing it as is done in practice. At the end of the book, the pioneers in the field summarize new studies and the direction of EUS in practice.

By spanning the spectrum of EUS from basics to the new and latest technologies, we believe it will be a valuable resource to physicians and support staff who are beginning EUS, as well as trained ultrasonographers who wish to arm themselves with a comprehensive reference and explore the future of the field.
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CONTRIBUTORS

MOHAMMAD AL-HADDAD, MD • Assistant Professor of Clinical Medicine
Division of Gastroenterology & Hepatology, Indiana University
School of Medicine, Indianapolis IN, USA

HARRY R. ASLANIAN, MD • Section of Digestive Diseases,
Yale University School of Medicine, New Haven CT, USA

JANELLE BROWN-CHANG, MD • Division of Gastroenterology, Department of
Medicine, University of Washington Medical Center, Seattle, WA, USA

WILLIAM BRUGGE, MD • Professor of Medicine Massachusetts General Hospital,
Boston, MA, USA

AUDREY H. CALDERWOOD, MD • Section of Gastroenterology,
Boston University Medical Center, Boston, MA, USA

ALEJANDRA CASTILLO-ROTH, MD • Clinical Assistant Instructor Division of
Gastroenterology and Hepatology, SUNY Downstate Medical Center,
Brooklyn, NY, USA

DEBORAH J. CHUTE, MD • Assistant Professor Department of Pathology,
Cleveland Clinic, Cleveland, OH, USA

JASON D. CONWAY, MD, MPH • Assistant Professor of Medicine, Section on
Gastroenterology, Wake Forest University Health Sciences, Winston-Salem,
NC, USA

SCOTT T. COOPER, MD • Instructor of Medicine Division of Gastroenterology,
Hepatology and Nutrition, University of Pittsburgh Medical Center,
Pittsburgh, PA, USA

JOHN DEWITT, MD • Associate Professor of Clinical Medicine
Division of Gastroenterology & Hepatology, Indiana University
School of Medicine, Indianapolis, IN, USA

CHRISTOPHER J. DIAMO, MD • Massachusetts General Hospital, Boston,
MA, USA

JEAN-MARC DUMONCEAU, MD • Service of Gastroenterology and Hepatology,
Geneva University Hospitals, Micheli-du-Crest street 241205, Geneva,
Switzerland

CHARLES E. DYE, MD • Associate Professor of Medicine Division of
Gastroenterology and Hepatology, MS Hershey Medical Center,
Penn State College of Medicine, Hershey, PA, USA
Contributors

MOHAMAD A. ELOUBEIDI, MD, MHS • Associate Professor of Medicine and Pathology, Director Endoscopic Ultrasound Program Department of Gastroenterology and Hepatology, The University of Alabama at Birmingham, Birmingham, AL, USA

ANNETTE FRITSCHER-RAVENS, MD • Interdisciplinary Endoscopy Internal Medicine I, University Hospital, Kiel, Germany

JEAN-LOUIS FROSSARD, MD • Service of Gastroenterology and Hepatology, Geneva University Hospitals, Micheli-du-Crest street 241205, Geneva, Switzerland

MARC GIOVANNINI, MD • Head of Endoscopic Unit Paoli-Calmettes Institute, Marseille, France

FRANK GRESS, MD • Professor of Medicine and Chief Division of Gastroenterology and Hepatology, SUNY Downstate Medical Center, Brooklyn, NY, USA

OLEH HALUSZKA, MD • Division of Gastroenterology, Fox Chase Cancer Center, Philadelphia, PA, USA

SANJAY R. HEGDE, MD • Division of Gastroenterology, Fox Chase Cancer Center, Philadelphia, PA, USA

HENRY C. HO, MD • University of Virginia, Charlottesville, VA, USA

JOO HA HWANG, MD, PHD • Assistant Professor Division of Gastroenterology, Department of Medicine, University of Washington Medical Center, Seattle, WA, USA

BRIAN C. JACOBSON, MD, MPH • Section of Gastroenterology, Boston University Medical Center, Boston, MA, USA

MICHEL KAHALEH, MD • Associate Professor of Medicine University of Virginia, Charlottesville, VA, USA

SHAWN MALLERY, MD • Director Division of Gastroenterology, Hennepin County Medical Center, Minneapolis, MN, USA

JENNIFER L. MARANKI, MD • Clinical Fellow University of Virginia, Charlottesville, VA, USA

GIRISH MISHRA, MD, MS • Associate Professor of Medicine Section on Gastroenterology, Wake Forest University Health Sciences, Winston-Salem, NC, USA

MARIA LUISA POLICARPIO-NICOLAS, MD • Department of Pathology, Spectrum Health Hospital, Grand Rapids, MI, USA

BABITHA REDDY, DO, MPH • Division of Gastroenterology, Center for Advanced Therapeutic Endoscopy, Lenox Hill Hospital, New York, NY, USA

DAVID H. ROBBINS, MD, MSc • Division of Gastroenterology, Center for Advanced Therapeutic Endoscopy, Lenox Hill Hospital, New York, NY, USA

MICHAEL K. SANDERS, MD • Assistant Professor of Medicine Division of Gastroenterology, Hepatology and Nutrition, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

THOMAS J. SAVIDES, MD • Professor of Clinical Medicine,
Contributors

University of California, San Diego, CA, USA

Vanessa M. Shami, MD • Associate Professor of Medicine, Director of Endoscopic Ultrasound University of Virginia, Charlottesville, VA, USA

Uzma D. Siddiqui, MD • Section of Digestive Diseases, Yale University School of Medicine, New Haven, CT, USA

Indu Srinivasan, MD • Division of Gastroenterology and Hepatology University of Virginia, Charlottesville, VA, USA

Parupudi V. J. Sriram, MD • Department of Gastroenterology, Texas Tech University of Health Sciences Center, Lubbock, USA

Edward B. Stelow, MD • Professor Department of Pathology, University of Virginia, Charlottesville, VA, USA

Jayant P. Talreja, MD • Clinical Fellow University of Virginia, Charlottesville, VA, USA

Jeffrey L. Tokar, MD • Fox Chase Cancer Center, Philadelphia PA, USA

Jessica Trevino, MD • Clinical Fellow Division of Gastroenterology-Hepatology, University of Alabama at Birmingham School of Medicine, Birmingham, AL, USA

Shyam Varadarajulu, MD • Associate Professor of Medicine Division of Gastroenterology-Hepatology, University of Alabama at Birmingham School of Medicine, Birmingham, AL, USA

Irving Waxman, MD • Professor of Medicine and Surgery, Center for Advanced Medicine, University of Chicago, Chicago, IL, USA
Part I
EUS for Starters
Abstract

Endoscopic ultrasound is a relatively new technology that has a growing indication which extends beyond the field of gastroenterology. The high degree of resolution and the ability to perform real time imaging during both diagnostic and therapeutic interventions allow ultrasound to remain a highly valuable modality. The first and most important step in performing EUS is to have a thorough understanding on its mechanics as well as the available instrumentation. This chapter sets out to do both.