# Contributors

#### **CONSULTING EDITOR**

## TIMOTHY M. PAWLIK, MD, MPH, PhD, FACS, FRACS (Hon.)

Professor and Chair, Department of Surgery, The Urban Meyer III and Shelley Meyer Chair for Cancer Research, Professor of Surgery, Oncology, Health Services Management and Policy, The Ohio State University, Wexner Medical Center, Columbus, Ohio, USA

#### **EDITORS**

## USMAN AHMAD, MD, FACS

Staff Surgeon, Assistant Professor of Surgery, Department of Cardiothoracic Surgery, Heart, Vascular and Thoracic Institute, Cleveland Clinic, Cleveland, Ohio, USA

## SUDISH C. MURTHY, MD, PhD, FACS

Staff Surgeon, Professor of Surgery, Chief of Thoracic Surgery, Daniel and Karen Lee Endowed Chair in Thoracic Surgery, Department of Cardiothoracic Surgery, Heart, Vascular and Thoracic Institute, Cleveland Clinic, Cleveland, Ohio, USA

#### **AUTHORS**

#### USMAN AHMAD, MD, FACS

Staff Surgeon, Assistant Professor of Surgery, Department of Cardiothoracic Surgery, Heart, Vascular and Thoracic Institute, Cleveland Clinic, Cleveland, Ohio, USA

## MEHMET ALTAN, MD

Assistant Professor, Department of Thoracic/Head and Neck Medical Oncology, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

#### FEREDUN AZARI, MD

Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, USA

#### AMIT BHATT, MD

Director of Endoscopic Submucosal Dissection, Co-director of Endoluminal Surgery Center, Department of Gastroenterology and Hepatology, Digestive Disease Surgical Institute, Cleveland, Ohio, USA

# ALEJANDRO C. BRIBRIESCO, MD

Department of Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, Ohio, USA

#### ALESSANDRO BRUNELLI, MD

Consultant Thoracic Surgeon and Honorary Clinical Associate Professor, Department of Thoracic Surgery, St. James University Hospital, Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom

#### TINA CASCONE, MD, PhD

Assistant Professor, Department of Thoracic/Head and Neck Medical Oncology, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

# **HUMBERTO K. CHOI, MD, FCCP**

Respiratory Institute, Cleveland Clinic, Cleveland, Ohio, USA

#### STEPHEN G. CHUN, MD

Assistant Professor, Department of Radiation Oncology, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

#### JENALEE N. COSTER. MD

Division of Thoracic Surgery, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, Texas, USA

#### RAJA M. FLORES, MD

Chairman and Ames Professor, Department of Thoracic Surgery, Icahn School of Medicine at Mount Sinai, New York, New York, USA

## MICHAEL R. GOOSEMAN, MD

Specialist Registrar, Cardiothoracic Surgery, Department of Thoracic Surgery, St. James University Hospital, Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom

# SHAWN S. GROTH, MD, MS, FACS

Associate Professor of Surgery, Division of Thoracic Surgery, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, Texas, USA

#### WAYNE L. HOFSTETTER, MD

Professor and Deputy Chair, Department of Thoracic and Cardiovascular Surgery, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

#### JAMES HUANG, MD, MPH

Thoracic Service, Department of Surgery, Memorial Sloan Kettering Cancer Center, New York, New York, USA

#### SUNEEL KAMATH, MD

Taussig Cancer Institute, Cleveland, Ohio, USA

#### **GREG KENNEDY, MD**

Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, USA

#### **KENNETH A. KESLER, MD**

Department of Surgery, Division of Cardiothoracic Surgery, Indiana University Melvin and Bren Simon Cancer Center, Department of Surgery, Thoracic Surgery Division, Indiana University, Indianapolis, Indiana, USA

#### **XIUNING LE, MD**

Assistant Professor, Department of Thoracic/Head and Neck Medical Oncology, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

#### PETER J. MAZZONE, MD, MPH, FCCP

Respiratory Institute, Cleveland Clinic, Cleveland, Ohio, USA

# MICHAEL MCNAMARA, MD

Associate Staff, Solid Tumor Oncology, Cleveland Clinic, Cleveland, Ohio, USA

#### NATHAN W. MESKO, MD

Department of Orthopaedic Surgery, Cleveland Clinic, Cleveland, Ohio, USA

# SUDISH C. MURTHY, MD, PhD, FACS

Staff Surgeon, Professor of Surgery, Chief of Thoracic Surgery, Daniel and Karen Lee Endowed Chair in Thoracic Surgery, Department of Cardiothoracic Surgery, Heart, Vascular and Thoracic Institute, Cleveland Clinic, Cleveland, Ohio, USA

# CECILIA POMPILI, MD, PhD

Thoracic Surgeon and Senior Research Fellow, Department of Thoracic Surgery, St. James University Hospital, Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom

#### SIVA RAJA, MD, PhD

Surgical Director, Center for Esophageal Diseases, Staff Surgeon, Department of Thoracic and Cardiovascular Surgery, Cleveland, Ohio, USA

#### RAVI RAJARAM, MD, MSc

Department of Thoracic and Cardiovascular Surgery, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

#### JESSE M.P. RAPPAPORT, MD

Department of Cardiothoracic Surgery, Heart, Vascular and Thoracic Institute, Cleveland Clinic. Cleveland. Ohio. USA

## DANIEL P. RAYMOND, MD

Chief Quality Officer, Department of Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, Ohio, USA

#### **BORIS SEPESI, MD**

Associate Professor, Department of Thoracic and Cardiovascular Surgery, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA

## SUNIL SINGHAL, MD

Department of Surgery, Division of Thoracic Surgery, University of Pennsylvania, Perelman School of Medicine, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania, USA

#### DAVENDRA SOHAL, MD, MPH

Associate Staff, Solid Tumor Oncology, Assistant Professor, Lerner College of Medicine, Cleveland Clinic, Cleveland, Ohio, USA

## AMANDA R. STRAM, MD, PhD

Department of Surgery, Division of Cardiothoracic Surgery, Indiana University Melvin and Bren Simon Cancer Center, Department of Surgery, Thoracic Surgery Division, Indiana University, Indianapolis, Indiana, USA

# MONISHA SUDARSHAN, MD, MPH

Thoracic Surgeon, Thoracic Surgery, Cleveland Clinic, Cleveland, Ohio, USA

#### ANDREW TANG, MD

Resident, Thoracic and Cardiovascular Surgery, Cleveland Clinic Foundation, Cleveland, Ohio, USA

#### ANDREA S. WOLF, MD, MPH

Associate Professor, Department of Thoracic Surgery, Icahn School of Medicine at Mount Sinai, New York, New York, USA

#### NICOLAS ZHOU, DO

Department of Thoracic and Cardiovascular Surgery, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA