

# Contents

*Contributors* ix  
*Preface* xiii

- 1. Overview of Lung Diseases 1**  
*William K. Funkhouser*
  - 2. Pediatric Pulmonary Diseases 9**  
*Jennifer Pogoriler and Aliya Husain*
  - 3. Adenocarcinoma 41**  
*Lynette M. Sholl and Mizuki Nishino*
  - 4. Squamous Cell Carcinoma 73**  
*Mari Mino-Kenudson, Michiya Nishino, Subba Digumarthy, and Hironori Uruga*
  - 5. Neuroendocrine Carcinomas 107**  
*Mary Beth Beasley*
  - 6. Large Cell and Other Carcinomas 125**  
*Yasmeen Butt and Timothy Craig Allen*
  - 7. Sarcomatoid Carcinoma and Sarcomas 131**  
*Yasmeen Butt and Timothy Craig Allen*
  - 8. Lymphomas 141**  
*Kirtee Raparia and Arlene Sirajuddin*
  - 9. Benign Lung Neoplasms 159**  
*William B. Laskin, Celina Villa, Kimberly Golden, and Anjana Yeldandi*
  - 10. Metastatic Neoplasms 195**  
*Leslie A. Litzky*
  - 11. Pleura 229**  
*Alain C. Borczuk*
  - 12. Bacterial and Mycobacterial Diseases 255**  
*Andrew Paul Norgan and Timothy Craig Allen*
  - 13. Fungal Diseases 289**  
*Rodolfo Laucirica and Charles E. Stager*
  - 14. Viral, Parasitic, and Other Infectious Diseases 325**  
*Sergio Piña-Oviedo and Blythe K. Gorman*
  - 15. Pulmonary Hypertension, Emboli, and Other Vascular Diseases 375**  
*Abida K. Haque and Alexander G. Duarte*
  - 16. Hemorrhage and Vasculitis 399**  
*Deepika Sirohi and Jaishree Jagirdar*
  - 17. Transplant-Related Conditions 425**  
*Yimin Ge, Haijun Zhou and Eunice K. Choi*
  - 18. Interstitial Pneumonias 449**  
*Tomonori Tanaka and Junya Fukuoka*
  - 19. Collagen Vascular Diseases 479**  
*Nahal Boroumand and Yimin Ge*
  - 20. Asbestosis and Pneumoconiosis 491**  
*Umar Nisar Sheikh and Timothy Craig Allen*
  - 21. Acute Lung Injury 511**  
*Timothy Craig Allen and Melanie C. Bois*
  - 22. Small Airway Disease 521**  
*Anatoly Urisman and Kirk D. Jones*
  - 23. Hypersensitivity Pneumonitis 535**  
*Roberto Barrios and Miguel O. Gaxiola*
  - 24. Pulmonary Sarcoidosis 541**  
*Roberto Barrios and Alfredo Valero Gómez*
  - 25. Smoking-Related Lung Diseases 547**  
*Nahal Boroumand and Yimin Ge*
  - 26. Alveolar Infiltrates 557**  
*Alberto M. Marchevsky*
  - 27. Drug Reactions and Radiation-Induced Lung Injury 579**  
*Fumi Kawakami and Hidehiro Takei*
  - 28. Storage Diseases 599**  
*Hidehiro Takei and Fumi Kawakami*
  - 29. Large Airway Diseases 611**  
*Michael P. Sedrak, Jason T. Koshy and Timothy Craig Allen*
  - 30. Molecular Diagnostics of Pulmonary Neoplasia 621**  
*Sanja Dacic*
- Index* 633