



Contents

■ Contributors	ix
■ Preface	xiii
■ Chapter 1 Genetic Predisposition for Respiratory Infections <i>Natalie J Slowik, Om P Sharma</i>	1
■ Chapter 2 Upper Respiratory Tract Infections <i>Tatjana Peroš-Golubić, Jasna Tekavec-Trkanjec</i>	16
■ Chapter 3 Community Acquired Pneumonia <i>Adamantia Liapikou, Antoni Torres</i>	29
■ Chapter 4 Atypical Pneumonias <i>Francesco Blasi, Maria Pappalettera, Federico Piffer, Paolo Tarsia</i>	45
■ Chapter 5 Healthcare-associated Pneumonia <i>Muthiah P Muthiah, M Jawad Habib, Ali E Solh</i>	61
■ Chapter 6 Community-acquired Methicillin-resistant <i>Staphylococcus aureus</i> Pneumonia <i>Irene D Karampela, Garyphallia Poulakou, Despoina Koulenti, George Dimopoulos</i>	70
■ Chapter 7 Acute Exacerbations of Chronic Bronchitis and Chronic Obstructive Pulmonary Disease <i>Zinka Matkovic, Marc Miravitles</i>	86
■ Chapter 8 Viral Respiratory Infections <i>Ioannis Mastoris, Sotirios Tsiodras</i>	102
■ Chapter 9 Respiratory Infections in Specific Populations: HIV Patients <i>Charles Feldman, Ronald Anderson</i>	139
■ Chapter 10 Respiratory Infections in Specific Populations: Transplant Patients <i>Robert P Baughman, Lisa A Haglund, Gautham Mogilishetty</i>	159
■ Chapter 11 Respiratory Infections in Specific Populations: Lung Cancer Patients <i>Eleftherios Zervas, Athanasios Thomopoulos, Angelos Pefanis, Theopasti Grigoratou, Ilias Athanasiadis, Mina Gaga</i>	174
■ Chapter 12 Respiratory Infections In Specific Populations: Drug Users <i>Georgios Kouliatsis, Vasileios Papaioannou, Ioannis Pneumatikos</i>	185
■ Chapter 13 Tuberculosis <i>Giovanni Sotgiu, Giovanni B Migliori</i>	198
■ Chapter 14 Invasive Fungal Infections in Critically Ill Patients <i>Stijn I Blot, Koenraad Vandewoude</i>	214
■ Chapter 15 Adjunctive Therapies for Respiratory Infections <i>Evangelos J Giamarellos-Bourboulis</i>	231
■ Chapter 16 Parapneumonic Pleural Effusions <i>Stavros Anevlavlis, Demosthenes Bouros</i>	242





Chapter 17 Intensive Care Unit-associated Infections: Pathogenesis, Diagnosis, Management, and Prevention	258
<i>Timothy L Wiemken, Ruth Carrico, Paula Peyrani, Julio A Ramirez</i>	
Chapter 18 Ventilator-associated Pneumonia	270
<i>Alejandra López-Giraldo, Rosanel Amaro, Gianluigi L Bassi, Miquel Ferrer, Antoni Torres</i>	
Chapter 19 Diagnosis and Management of Hospital-acquired Pneumonia Due to Methicillin-resistant <i>Staphylococcus aureus</i>	288
<i>Carolina de La Cuesta, Juan M del Rio, Daniel H Kett</i>	
Chapter 20 Management of Multidrug-resistant Pathogens	305
<i>Helen Giamarellou</i>	
Chapter 21 Using PK/PD Properties of Antibiotics in the Treatment of Respiratory Infections	323
<i>Francesco Scaglione</i>	
Chapter 22 Scores for the Assessment of Pneumonia Severity and Outcome	333
<i>Benjamin Klapdor, Santiago Ewig</i>	
Chapter 23 Biomarkers in the Diagnosis and Treatment of Respiratory Infections	348
<i>Dimitrios K Matthaiou, Irene D Karampela, Apostolos D Armaganidis, George Dimopoulos</i>	
Chapter 24 Vaccine-preventable Respiratory Infections	360
<i>Gernot GU Rohde</i>	
Chapter 25 Pulmonary Endothelium in Sepsis and Infections	367
<i>Ioanna Nikitopoulou, Nikolaos A Maniatis, Anastasia Kotanidou, Stylianos E Orfanos</i>	
Chapter 26 Bioterrorism and Respiratory Infections	379
<i>Petros Kopterides, Nikitas Nikitas, Dimitrios K Matthaiou, Apostolos D Armaganidis, George Dimopoulos</i>	
Chapter 27 The Role of the Nurse in the Treatment of Respiratory Infections	400
<i>Sonia O Labeau, Stijn I Blot</i>	
Chapter 28 Lung Infections in Cystic Fibrosis	411
<i>Baroukh M Assael</i>	
Index	427