

Contents

1	Pulmonary Anatomy and Physiology: The Basics	1
2	Presentation of the Patient with Pulmonary Disease	19
3	Evaluation of the Patient with Pulmonary Disease	30
4	Anatomic and Physiologic Aspects of Airways	65
5	Asthma	75
6	Chronic Obstructive Pulmonary Disease	93
7	Miscellaneous Airway Diseases	113
8	Anatomic and Physiologic Aspects of the Pulmonary Parenchyma	126
9	Overview of Diffuse Parenchymal Lung Diseases	132
10	Diffuse Parenchymal Lung Diseases Associated with Known Etiologic Agents	145
11	Diffuse Parenchymal Lung Diseases of Unknown Etiology	158
12	Anatomic and Physiologic Aspects of the Pulmonary Vasculature	177
13	Pulmonary Embolism	184
14	Pulmonary Hypertension	194
15	Pleural Disease	206
16	Mediastinal Disease	221
17	Anatomic and Physiologic Aspects of Neural, Muscular, and Chest Wall Interactions with the Lungs	229
18	Disorders of Ventilatory Control	239
19	Disorders of the Respiratory Pump	248
20	Lung Cancer: Etiologic and Pathologic Aspects	259
21	Lung Cancer: Clinical Aspects	270
22	Lung Defense Mechanisms	285
23	Pneumonia	297
24	Tuberculosis and Nontuberculous Mycobacteria	314
25	Miscellaneous Infections Caused by Fungi and Pneumocystis	325
26	Pulmonary Complications in the Immunocompromised Host	337
27	Classification and Pathophysiologic Aspects of Respiratory Failure	350
28	Acute Respiratory Distress Syndrome	357
29	Management of Respiratory Failure	370

Appendix A	Sample Problems Using Respiratory Equations	384
Appendix B	Pulmonary Function Tests: Guidelines for Interpretation and Sample Problems	386
Appendix C	Arterial Blood Gases: Guidelines for Interpretation and Sample Problems	390
	Index	394

Online Contents

Visit expertconsult.com to access online contents.

- **Author Audio Commentary**

- Introduction
- Chapter 1 – Pulmonary Anatomy and Physiology: The Basics
- Chapter 2 – Presentation of the Patient with Pulmonary Disease
- Chapter 3 – Evaluation of the Patient with Pulmonary Disease
- Chapter 4 – Anatomic and Physiologic Aspects of Airways
- Chapter 5 – Asthma
- Chapter 11 – Diffuse Parenchymal Lung Diseases of Unknown Etiology
- Chapter 14 – Pulmonary Hypertension
- Chapter 28 – Acute Respiratory Distress Syndrome
- Chapter 29 – Management of Respiratory Failure

- **Videos**

- How to Use an Inhaler
- How to Use an Inhaler with a Spacer
- How to Use a Disc Inhaler
- How to Use an Egg Inhaler
- Normal Bronchoscopy

- **Audio**

- Medium Inspiratory Crackles
- Fine Late Inspiratory Crackles Typical for Pulmonary Fibrosis
- Mild Expiratory Wheeze
- Inspiratory Crackles with Moderate Expiratory Wheezes
- Inspiratory Crackles with Severe Expiratory Wheezes
- Pleural Friction Rub
- Normal Voice Sounds followed by Egophony
- Normal Whispered Sound followed by Whispered Pectoriloquy

- **200 Case-Based Self-Assessment Questions**

- **Image Bank**

- **Fully Searchable Text**