

## **ICU Book Index**

### **SECTION I**

#### **Basic Science Review**

- 1 Circulatory Blood Flow
- 2 Oxygen and Carbon Dioxide Transport

### **SECTION II**

#### **Preventive Practices in the Critically Ill**

- 3 Infection Control in the ICU
- 4 Alimentary Prophylaxis
- 5 Venous Thromboembolism

### **SECTION III**

#### **Vascular Access**

- 6 Establishing Venous Access
- 7 The Indwelling Vascular Catheter

### **SECTION IV**

#### **Hemodynamic Monitoring**

- 8 Arterial Blood Pressure
- 9 The Pulmonary Artery Catheter
- 10 Central Venous Pressure and Wedge Pressure
- 11 Tissue Oxygenation

### **SECTION V**

#### **Disorders of Circulatory Flow**

- 12 Hemorrhage and Hypovolemia
- 13 Colloid and Crystalloid Resuscitation
- 14 Acute Heart Failure Syndromes
- 15 Cardiac Arrest
- 16 Hemodynamic Drug Infusions

### **SECTION VI**

#### **Critical Care Cardiology**

- 17 Early Management of Acute Coronary Syndromes
- 18 Tachyarrhythmias

### **SECTION VII**

#### **Acute Respiratory Failure**

- 19 Hypoxemia and Hypercapnia
- 20 Oximetry and Capnography
- 21 Oxygen Inhalation Therapy
- 22 Acute Respiratory Distress Syndrome
- 23 Severe Airflow Obstruction

### **SECTION VIII**

#### **Mechanical Ventilation**

- 24 Principles of Mechanical Ventilation
- 25 Modes of Assisted Ventilation
- 26 The Ventilator-Dependent Patient
- 27 Discontinuing Mechanical Ventilation

### **SECTION IX**

#### **Acid-Base Disorders**

- 28 Acid-Base Interpretations
- 29 Organic Acidoses
- 30 Metabolic Alkalosis

### **SECTION X**

#### **Renal and Electrolyte Disorders**

- 31 Oliguria and Acute Renal Failure
- 32 Hypertonic and Hypotonic Conditions
- 33 Potassium
- 34 Magnesium
- 35 Calcium and Phosphorous

### **SECTION XI**

#### **Transfusion Practices in Critical Care**

- 36 Anemia and Red Blood Cell Transfusions in the ICU
- 37 Platelets in Critical Illness

#### SECTION XII

##### **Disorders of Body Temperature**

- 38 Hyperthermia and Hypothermia Syndromes
- 39 Fever in the ICU

#### SECTION XIII

##### **Inflammation and Infection in the ICU**

- 40 Infection, Inflammation, and Multiorgan Injury
- 41 Pneumonia in the ICU
- 42 Sepsis from the Abdomen and Pelvis
- 43 The Immunocompromised Patient
- 44 Antimicrobial Therapy

#### SECTION XIV

##### **Nutrition and Metabolism**

- 45 Metabolic Substrate Requirements
- 46 Enteral Tube Feeding
- 47 Parenteral Nutrition
- 48 Adrenal and Thyroid Dysfunction

#### SECTION XV

##### **Critical Care Neurology**

- 49 Analgesia and Sedation
- 50 Disorders of Mentation
- 51 Disorders of Movement
- 52 Stroke and Related Disorders

#### SECTION XVI

##### **Toxic Ingestions**

- 53 Pharmaceutical Toxins & Antidotes

#### SECTION XVII

##### **Appendices**

- 1 Units and Conversions 983
- 2 Selected Reference Ranges
- 3 Clinical Scoring Systems