# Table of Contents

**Shock Syndromes and Sepsis** ................................................................. 1-3  

**Pulmonary Disorders** ................................................................. 1-77  
Acute Respiratory Distress Syndrome, Intubation, Mechanical Ventilation, Cystic Fibrosis, Pulmonary Hypertension, Severe Asthma Exacerbation, Acute Respiratory Failure in Chronic Obstructive Pulmonary Disease

**Hepatic Failure/GI/Endocrine Emergencies** ......................................... 1-115  
Acute Liver Failure, Acute Pancreatitis, Gastrointestinal Fistulas, Postoperative Ileus, Postoperative Nausea and Vomiting, Upper Gastrointestinal Bleeding, Endocrine Emergencies

**Supportive and Preventive Medicine** ............................................. 1-175  
FAST-HUG Approach, Stress Ulcer Prophylaxis, Prophylaxis Against Deep Venous Thrombosis, End-of-Life Care

**Acute Cardiac Care** ............................................................. 1-207  
Advanced Cardiac Life Support (ACLS), Hypertensive Crisis

**Infectious Diseases I** .............................................................. 1-257  

**Infectious Diseases II** .............................................................. 1-305  
Quality Improvements, Antimicrobial Stewardship, Rapid Diagnostic Tests, Interpreting Susceptibility Reports, Mechanisms of Antibacterial Resistance and Treatment of Multidrug-Resistant Pathogens, Immunocompromised Patients, Human Immunodeficiency Virus (HIV)/Acquired Immune Deficiency Syndrome (AIDS) in Critically Ill Patients, Antifungal Therapy

**Neurocritical Care** ............................................................... 1-369  
Sodium Disorders, Status Epilepticus, Meningitis, Acute Ischemic Stroke, Intracerebral Hemorrhage, Interventional Endovascular Management, Acute Spinal Cord Injury, Brain Tumors, Critical Illness Polyneuropathy (CIP), Guillain-Barré Syndrome (GBS), Myasthenia Crisis, Serotonin Syndrome, Neurologic Monitoring Devices

**Pain, Agitation, Delirium, and Neuromuscular Blockade in the Intensive Care Unit** ................................................................. 1-413  
Pain in the ICU, Agitation in the ICU, Delirium in the ICU, ABCDE Bundle: Sedation Management, Ventilator Weaning, and Early Mobility, Neuromuscular Blockade in the ICU, Post-intensive Care Syndrome

**Practice Administration And Development: Pharmacoeconomics And Safe Medication Use** ................................................................. 1-463  
Cost Minimization Analysis, Cost-Benefit Analysis, Cost Effectiveness Analysis, Cost Utility Analysis, ADE Monitoring Program

**Research Design, Biostatistics, And Literature Evaluation** ................ 1-493  
Bioethics, Practice Challenges to Critical Care Research, Research Design, Statistical Analysis, Application of Knowledge to Patient Care