Therapeutic Topics Discussed During Patient Cases

1. **CARDIOVASCULAR DISORDERS**
   - Acute coronary syndrome
   - Post-cardiac surgery

2. **ENDOCRINOLOGIC DISORDERS**
   - Glucose management
   - Hyperglycemic emergency

3. **GASTROINTESTINAL DISORDERS**
   - Cirrhosis
   - Gastrointestinal bleeding
   - Hepatorenal syndrome

4. **HEMATOLOGIC DISORDERS**
   - Heparin-induced thrombocytopenia
   - Coagulopathy

5. **INFECTIOUS DISEASES**
   - Intraabdominal infection
   - Pneumonia
   - Sepsis/systemic inflammatory response syndrome (SIRS)

6. **NEUROLOGIC DISORDERS**
   - Intracranial hemorrhage

7. **NUTRITION AND NUTRITIONAL DISORDERS**
   - Nutrition support
   - Refeeding syndrome

8. **ONCOLOGIC EMERGENCIES**
   - Febrile neutropenia
   - Hypercalcemia of malignancy
   - Tumor lysis syndrome

9. **RENAL DISORDERS**
   - Acid-base abnormalities
   - Acute renal injury
   - Electrolyte abnormalities

10. **RESPIRATORY DISORDERS**
    - Acute respiratory distress syndrome (ARDS)

11. **TOXICOLOGY**
    - Alcohol withdrawal

12. **MISCELLANEOUS CRITICAL CARE TOPICS**
    - Fluid management/volume resuscitation and hemostasis
    - Pain, agitation, and delirium
    - Shock
    - Targeted temperature management
    - Trauma

13. **OTHER TOPICS**
    - Medication safety
    - Practice administration and development
    - Regulatory and IRB considerations
    - Research design, evidence-based medicine, and statistical analysis
1. **ALTERATIONS IN PHARMACOKINETICS AND PHARMACOKINETICS IN CRITICAL CARE**
2. **CARDIAC ARRHYTHMIAS AND ADVANCED CARDIAC LIFE SUPPORT**
3. **NUTRITION, FLUIDS, AND ELECTROLYTES**
4. **PHARMACOTHERAPY CONSIDERATIONS IN THE MANAGEMENT OF SHOCK**
5. **SELECT NEUROLOGY TOPICS IN CRITICAL CARE PATIENTS**
   - Ischemic stroke
   - Status epilepticus
   - Subarachnoid hemorrhage
   - Traumatic brain injury
6. **SELECT TOPICS IN ACID BASE DISORDERS**
7. **SELECT TOPICS IN INFECTIOUS DISEASES**
   - Line infections
   - Meningitis
   - Urinary tract infections
8. **SELECT TOPICS IN PREVENTION AND SUPPORTIVE CARE IN CRITICAL CARE PATIENTS**
   - Stress ulcer prophylaxis
   - Venous thromboembolism prophylaxis
   - Ventilator-associated pneumonia prevention
9. **SELECT TOPICS IN PULMONARY DISORDERS**
   - Asthma exacerbation
   - COPD exacerbation
   - Pulmonary embolism
10. **SELECT TOPICS IN TOXICOLOGY**
11. **STATISTICS, EVIDENCE-BASED MEDICINE, AND CLINICAL TRIAL DESIGN**