

PedSAP 2022 Book 1 (*Critical Care*)

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ACPE test deadline: 11:59 p.m. (Central) on March 15, 2025.



Continuing Pharmacy Education Credit: The American College of Clinical Pharmacy

is accredited by the Accreditation Council for Pharmacy Education (ACPE) as providers of continuing pharmacy education (CPE).

PedSAP Target Audience: The target audience for PedSAP 2022 Book 1 (*Critical Care*) is board-certified and advanced-level clinical pharmacists caring for critical care pediatric patients.

Module I (4.0 CPE): 0217-0000-22-027-H01-P

Chapter: Inhalation Lung Injuries

Learning Objectives

1. Distinguish the differences in pathophysiology between acute and chronic inhalation lung injury (ILI).
2. Assess the differences in nebulized anticoagulant therapies for the treatment of ILI and compare with established agents to treat ILI.
3. Assess the place in therapy of corticosteroids in the treatment of ILI.
4. Evaluate the evidence for antibiotic use for acute ILI.
5. Evaluate the challenges in developing pharmacologic therapies for acute and chronic ILI.

Chapter: Therapeutic Hypothermia

Learning Objectives

1. Apply criteria to neonatal patients to determine qualification for therapeutic hypothermia.
2. Distinguish hypoxic ischemic encephalopathy from other causes of neonatal encephalopathy.
3. Evaluate for organ system dysfunction and metabolic abnormalities during therapeutic hypothermia.
4. Design an appropriate treatment regimen during therapeutic hypothermia while surveilling organ function.

Module II (4.5 CPE): 0217-0000-22-028-H01-P

Chapter: Pediatric Sepsis

Learning Objectives

1. Accurately classify a pediatric patient presenting with signs and symptoms of sepsis.
2. Design an antimicrobial treatment regimen for the septic pediatric patient in a timely manner.
3. Evaluate a fluid resuscitation plan for the pediatric patient presenting in septic shock.

4. Assess mean arterial pressure and lactate values in a pediatric patient.
5. Develop a vasoactive medication regimen for the pediatric patient in septic shock.
6. Assess nutritional parameters for the septic pediatric patient.

Chapter: Acute Pulmonary Hypertension

Learning Objectives

1. Distinguish between the underlying etiologies and pathophysiologies for pediatric pulmonary hypertension.
2. Evaluate the appropriateness of conventional pharmacotherapeutic intervention for a patient with pediatric pulmonary hypertension.
3. Evaluate the appropriateness of targeted pharmacotherapeutic intervention for a patient with pediatric pulmonary hypertension.
4. Devise a pharmacotherapeutic regimen for a pediatric patient with a pulmonary hypertensive crisis.

Module III (4.5 CPE): 0217-0000-22-029-H01-P

Chapter: ICU Psychosis and Delirium

Learning Objectives

1. Evaluate risk factors for ICU delirium when assessing a patient case.
2. Apply the appropriate delirium scoring tool when evaluating a patient case.
3. Assess potential confounding factors associated with the differential diagnosis of delirium when evaluating a patient case. Classify iatrogenic withdrawal syndrome and delirium symptoms when given a patient case.
4. Develop a plan for preventing delirium in the pediatric population.
5. Evaluate pharmacologic options for treating ICU delirium in the pediatric population.

Chapter: Iatrogenic Withdrawal Syndromes

Learning Objectives

1. Assess risk factors for the development of clinically significant withdrawal from various medications used for treatment and recovery in critically ill pediatric patients.
2. Demonstrate understanding of available objective withdrawal scoring tools appropriate for use in a pediatric setting.
3. Design an appropriate tapering regimen for a pediatric patient at risk of withdrawal from one or more medications commonly used for sedation in the ICU.
4. Evaluate a pediatric patient's risk of iatrogenic adrenal insufficiency and design an appropriate tapering regimen.
5. Detect the signs and symptoms of baclofen withdrawal syndrome and devise an effective management plan for pediatric patients.
6. Devise an effective medication therapy plan to facilitate a safe transition to the outpatient setting for pediatric patients who no longer require hospital care.

Module IV (6.0 CPE): 0217-0000-22-030-H01-P

Interactive Case: Neonatal Sepsis Calculators

Learning Objectives

1. Classify the pathophysiology of neonatal sepsis.
2. Detect characteristics and risk factors associated with early-onset neonatal sepsis.
3. Evaluate data for using neonatal sepsis calculators in the late preterm and term population.
4. Apply neonatal sepsis calculator data and design treatment plans to patient cases.

Recorded Webcast: Antimicrobial Dosing in the PICU

Learning Objectives

1. Distinguish between sources of pharmacokinetic variability encountered in the pediatric ICU.
2. Evaluate available evidence regarding antibiotic dose optimization.
3. Apply recommendations from guidelines regarding antibiotic dose optimization.
4. Develop an antibiotic therapy plan for a critically ill pediatric patient.

Interactive Case: Complex Acid-Base Disorders in Critical Care

Learning Objectives

1. Classify primary and mixed acid-base disorders given pertinent patient data and laboratory values.
2. Distinguish potential causes of a primary or mixed acid-base disorder.
3. Develop a management plan for primary or mixed acid-base disorders.
4. Evaluate when it may be appropriate to use pharmacotherapy to correct serum pH.