Materials for this course will release 11/15/2022

Infectious Diseases Self-Assessment Program (IDSAP) Book 2: Infections in Critically Ill Patients (Cert # L229394)

Teaser: This Self-Assessment Program series provides Infectious Disease pharmacists with pertinent therapeutic updates to enhance their practice skills and improve patient outcomes.

Tag: Certifications; Infectious Disease

ACPE Numbers: Various – see listing below
Pre-Sale Date: 10/12/2022
Release Date: 11/15/2022
Expiration Dates: 05/15/2023
Activity Type: Application-based
CE Credits: TBD contact hours (BPS and ACPE)
Activity Fee: $80 (ASHP member); $120 (non-member)

Accreditation for Pharmacists

The American College of Clinical Pharmacy and American Society of Health-System Pharmacists are accredited by the Accreditation Council for Pharmacy Education as providers of continuing pharmacy education.

Target Audience
The target audience for Infectious Diseases Self-Assessment Program (IDSAP) Book 2: Infections in Critically Ill Patients is board certified and advanced-level infectious disease pharmacists involved in evidence-based management strategies for the prevention and management of drug-resistant gram-negative infections.

Activity Overview
This course is intended for board certified pharmacists in need of recertification credit and is designed based on the content outline developed by the Board of Pharmacy Specialties (BPS). The course consists of 4 learning modules (see table below) and provides up to TBD contact hours of continuing pharmacy education and/or recertification credit.

Learners will be required to review the content and complete the associated online assessments. The learner must be able to correctly answer the questions based upon their interpretation of the content, as well as "baseline specialty specific knowledge and/or easily retrievable information." For purposes of this course, "baseline specialty specific knowledge and/or easily retrievable information" is defined as product labeling and well-established standards of practice in the specialty practice.

These activities are part of the ACCP and ASHP and professional development program for BCIDP recertification approved by the BPS.

Recertification Credit*
Board certified pharmacists are eligible to receive up to TBD contact hours of recertification credit for completing this course. To earn recertification credit, learners must review the activity content and successfully complete the online assessments by the deadline. Only completed assessments will be eligible for credit; no partial or incomplete assessments will be processed. You are allowed only one attempt to successfully complete this assessment.

Learning Activity	ACPE Number	Contact Hours	Assessment Pass Point
Infections in Critically Ill Patients I	TBD	TBD	TBD
Infections in Critically Ill Patients II	TBD	TBD	TBD
Infections in Critically Ill Patients III	TBD	TBD	TBD
Infections in Critically Ill Patients IV	TBD	TBD	TBD
		TBD BPS	

LEARNING OBJECTIVES

Infections in Critically Ill Patients I
ACPE #:
Chapter: Anti-infective Therapy in Sepsis and Septic Shock
- Compare and contrast the timing of antimicrobial therapy in patients with sepsis and septic shock.
- Design an appropriate empiric anti-infective regimen for a patient with sepsis or septic shock for different infection types.
- Evaluate the effects of sepsis and septic shock on the PK of anti-infective therapy.
- Apply PK/PD principles to optimize an anti-infective regimen for a patient with sepsis or septic shock.

Chapter: Supportive Management of Sepsis
- Evaluate patients for risk of poor clinical outcomes due to sepsis and/or septic shock.
- Design a fluid resuscitation strategy that maximizes hemodynamic stabilization and minimizes iatrogenic harm.
- Develop a vasopressor support regimen and liberation strategy.
- Design a corticosteroid therapy regimen for the management of septic shock.
- Justify supportive measures for patients with sepsis and/or septic shock.

Infections in Critically Ill Patients II
ACPE #:
Chapter: PK/PD in Patients Receiving ECMO and RRT
- Analyze a renal replacement therapy plan and anticipate the impact it will have on antimicrobial pharmacokinetics.
- Justify an empiric antimicrobial dosing regimen that accounts for the impact of extracorporeal membrane oxygenation on drug pharmacokinetics.
- Devise an antibiotic dosing strategy for a critically ill patient receiving continuous renal replacement therapy and extracorporeal membrane oxygenation.

Chapter: Antimicrobial Stewardship in the ICU
- Analyze the unique challenges of antimicrobial stewardship in the ICU.
- Apply common antimicrobial stewardship activities to critically ill patients.
- Design a plan to improve antimicrobial use in the ICU.
- Distinguish the types of metrics used to monitor the impact of antimicrobial stewardship interventions.

Infections in Critically Ill Patients III
ACPE #:
Chapter: Community-Acquired Meningitis
- Distinguish the differences in etiology of community-acquired meningitis based on patient characteristics.
- Assess lab results and patient's signs and symptoms to classify patients with central nervous system infections.
- Develop a treatment plan for a patient with community-acquired meningitis from initial presentation to discharge from the hospital.
- Justify the need for preventive measures for bacterial meningitis.
- Develop an antimicrobial stewardship intervention aimed at improving antibiotic use in patients with community-acquired meningitis.

Chapter: Iatrogenic CNS Infections
- Evaluate the anatomy of the CNS as it relates to drug disposition.
- Design an appropriate treatment regimen for a patient with an iatrogenic CNS infection.
- Develop a monitoring plan for a patient with an iatrogenic CNS infection.
- Assess the safety and efficacy of intraventricular antimicrobial administration.
- Design optimal infection prevention strategies to prevent the occurrence of iatrogenic CNS infections.

Infections in Critically Ill Patients IV
ACPE #:
Interactive Case: Decreasing Blood Culture Contamination
- Distinguish blood culture contamination from bloodstream infection.
- Evaluate the clinical impact of a contaminated blood culture.
- Assess institutional practices regarding blood culture collection for improvement targets
- Design process improvements to reduce the rate of contaminated blood cultures.
- Develop a plan to minimize undesired consequences of a contaminated blood culture.

Interactive Case: Duration of Therapy in Critical Care
- Design an antibiotic treatment regimen for an ICU patient using antibiotic stewardship strategies.
- Justify evidence-based usage of procalcitonin to shorten antibiotic duration in a patient case.
- Apply literature on antibiotic duration of therapy to a patient case.
- Justify appropriate duration of prophylactic antibiotics in an ICU patient.

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Disclosures

In accordance with our accreditor's Standards of Integrity and Independence in Accredited Continuing Education, ASHP requires that all individuals in control of content disclose all financial relationships with ineligible companies. An individual has a relevant financial relationship if they have had a financial relationship with an ineligible company in any dollar amount in the past 24 months and the educational content that the individual controls is related to the business lines or products of the ineligible company.

An ineligible company is any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The presence or absence of relevant financial relationships will be disclosed to the activity audience.

TBD

As required by the Standards of Integrity and Independence in Accredited Continuing Education, all relevant financial relationships have been mitigated prior to the CPE activity.

Methods and CE Requirements

Activities consist of educational materials, assessments, and activity evaluations. In order to receive continuing pharmacy education credit, learners must:

- Complete the attestation statement
- Review all content
- Complete and pass the assessments
- Complete the evaluations

Follow the prompts to claim, view, or print the statement of credit within 60 days after completing the activity.

System Technical Requirements

Courses and learning activities are delivered via your Web browser and Acrobat PDF. For all activities, you should have a basic comfort level using a computer and navigating web sites.

View the minimum technical and system requirements for learning activities.

Development

ACCP and ASHP collaborate on infectious disease activities.