

**\*\* Materials for this course will release on 02/03/2021 \*\***

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### Intensive Studies for Recertification: Critical Care Pharmacy (Cert # L219022)

**Teaser:** The Critical Care Pharmacy Intensive Studies for Recertification Package consists of 3 activities and provides up to 4.5 hours of recertification credit through a high-level, interactive discussion on contemporary and emerging issues in critical care pharmacy.

**Tag:** Certifications; Critical Care Pharmacy

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#### ACPE Numbers:

0204-0000-20-294-H04-P

0204-0000-20-248-H01-P

0204-0000-20-293-H01-P

**Pre-Sale Date:** 01/06/2021

**Content Release Date:** 02/03/2021

**Expiration Date:** 02/01/2022

**Activity Type:** Application-based

**CE Credits:** 4.5 hours

**Activity Fee:** \$100 (ASHP member); \$150 (non-member)

#### Accreditation for Pharmacists



The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

*These activities were presented as part of the 2020 Virtual Midyear Clinical Meeting. Learners who claimed ACPE credit for these activities as part of that meeting, should not claim ACPE credit again.*

#### Target Audience

These recertification activities are intended for board certified pharmacists seeking to update their knowledge and skills in:

- P Values in Statistical Reporting
- Factor Xa inhibitors
- Drug Monitoring

#### Activity Overview

The Intensive Study Package 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). Using a case-based approach, the activities provide high-level, interactive discussions on contemporary and emerging issues in critical care pharmacy.

The Critical Care Pharmacy Intensive Study Recertification Package consists of 3 activities (see table below) and provides up to 4.5 hours of continuing pharmacy education and/or recertification credit.

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These activities are part of the ASHP professional development program for BCCCP recertification approved by the BPS. For pharmacists who maintain more than one certification, three of the activities are approved for multiple specialties (see table below).

**Recertification Credit\***

Board certified pharmacists are eligible to receive up to 4.5 hours of recertification credit for completing this package. 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 Module	ACPE Number	Credit Hours	Specialty	*Assessment Pass Point
<i>P</i> VALUEable? Purpose, Use, and the Evolution of P Values in Statistical Reporting	0204-0000-20-294-H04-P	1.5	BCCCP, BCPPS, BCPS	TBD
Anti(X)dots for All? The Role of Replacement and Reversal Strategies in Managing Life-Threatening Bleeding and Emergent Procedures for Patients on Factor Xa inhibitors	0204-0000-20-248-H01-P	1.5	BCCCP, BCPS	TBD
Vancomycin Therapeutic Drug Monitoring – The Times They Are a Changin’	0204-0000-20-293-H01-P	1.5	BCCCP, BCPS	TBD

***P* VALUEable? Purpose, Use, and the Evolution of P Values in Statistical Reporting  
0204-0000-20-294-H04-P**

**Learning Objectives**

At the conclusion of this application-based educational activity, participants should be able to do the following:

- Summarize recent trends in medical literature related to significance testing.
- Compare your current practice when discussing statistical significance to recent recommendations.
- Interpret p values, meanings, limitations, and appropriate use.
- Select alternative methodologies for interpretation of significance testing.

*This activity is approved for Board Certified Critical Care Pharmacist (BCCCP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.*

**Anti(X)dots for All? The Role of Replacement and Reversal Strategies in Managing Life-Threatening Bleeding and Emergent Procedures for Patients on Factor Xa inhibitors**

**0204-0000-20-248-H01-P**

**Learning Objectives**

At the conclusion of this application-based educational activity, participants should be able to do the following:

- Select appropriate hemostatic therapy for patients presenting with acute, life-threatening hemorrhage due to factor Xa inhibitors.
- Recommend appropriate hemostatic therapy for patients requiring emergent surgery while on factor Xa inhibitors.
- Recommend initial anticoagulant therapy following coagulation factor Xa (recombinant), inactivated-zhzo administration.
- Develop clinical pathways for efficient use of hemostatic agents in the setting of factor Xa inhibitor use.
- Design evidence-based strategies for monitoring coagulation status following coagulation factor Xa (recombinant), inactivated-zhzo administration.

*This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.*

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**Vancomycin Therapeutic Drug Monitoring – The Times They Are a Changin’**

**0204-0000-20-293-H01-P**

**Learning Objectives**

At the conclusion of this application-based educational activity, participants should be able to do the following:

- Design optimized vancomycin dosing schemes using vancomycin pharmacodynamic and toxicodynamic principles and current evidence.
- Compute vancomycin area under the concentration-time curve using 2 sample pharmacokinetics and modified trapezoidal rule.
- Describe how to use Bayesian Software to generate vancomycin area under the concentration-time curve.
- Design a program for vancomycin therapeutic drug monitoring by area under the concentration-time curve.

*This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.*

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#### **Disclosures**

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All faculty and planners for ASHP education activities are qualified and selected by ASHP and required to disclose any relevant financial relationships with commercial interests. ASHP identifies and resolves conflicts of interest prior to an individual's participation in development of content for an educational activity. Anyone who refuses to disclose relevant financial relationships must be disqualified from any involvement with a continuing pharmacy education activity.

Snehal Bhatt: Speakers Bureau and Advisory Board, Portola Pharmaceuticals

All other staff, program chairs, presenters, and reviewers report no financial relationships relevant to this activity.

#### **Methods and CE Requirements**

Activities consist of audio/video/PDF files, an attestation statement, and activity evaluation. Learners must review all content and complete the attestation statement and course evaluation to receive continuing pharmacy education credit for each activity.

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

#### **System Technical Requirements**

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**

These activities were developed by ASHP.