



ASHP Pharmacotherapy Specialty Review and Recertification Course

**December 6 - 7, 2025
Las Vegas, Nevada**

**Developed by
The American Society of Health-System Pharmacists**

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The information presented herein reflects the opinions of the faculty. Instructors prepared these materials for use by Board Certified Pharmacotherapy Specialists or advanced pharmacotherapy practitioners who are seeking to update their knowledge and skills in the practice area. They are not intended as a comprehensive source of drug information on this topic. The contents of the course material have not been reviewed by the ASHP publication process, and should not be interpreted as official policy of ASHP or an endorsement of any products(s), nor should they be considered as a substitute for the professional judgment of the pharmacist or physician.

SATURDAY, DECEMBER 6

6:30 a.m. – 7:40 a.m.	Registration, coffee, and networking
7:40 a.m. – 7:45 a.m.	Welcome/Announcements
7:45 a.m. – 9:15 a.m.	Cardiology I Joseph Saseen, PharmD, BCPS, BCACP, CLS ACPE Number: 0204-0000-25-952-L04-P Application-based: 1.5 contact hours* Objectives: • Select the appropriate treatment and monitoring for a complex patient-case with multiple conditions, including hypertension, dyslipidemia, chronic kidney disease, diabetes, and obesity. • State the Centers for Disease Control and Prevention Advisory Committee on Immunization Practices recommendations for adult immunizations. • Determine how to advise a patient on point-of-care testing to measure response to drug therapy. • Discuss national benchmarking standards and implications to patient care.
9:15 a.m. – 9:30 a.m.	Break
9:30 a.m. – 11:00 a.m.	Selected Topics in Acute Care Part I Lauren A. Ignieri, PharmD, BCPS, BCCCP, FCCM ACPE Number: 0204-0000-25-952-L04-P Application-based: 1.5 contact hours* Objectives: • Interpret diagnostic and/or laboratory tests, vital signs, and clinical presentation in acutely ill patients. • Recommend the most appropriate therapy and monitoring based on patient-specific information and current guidelines for the treatment of acute ischemic stroke, anticoagulation reversal, and toxicologic emergencies. • Recommend the most appropriate therapy and monitoring based on patient-specific information and current guidelines for the treatment of toxicologic emergencies.
11:00 a.m. – 12:30 p.m.	Lunch (on your own)
12:30 p.m. – 2:00 p.m.	Providing Safe and Effective Pharmacotherapy: Key Regulatory and Quality Approaches Patricia C. Kienle, BPharm, MPA, BCSCP, FASHP ACPE Number: 0204-0000-25-952-L04-P Application-based: 1.5 contact hours* Objectives: • Explain the regulatory and accreditation requirements of a comprehensive medication use program. • Describe methods to develop and maintain a medication use system. • Discuss technology used to promote safe and effective medication use.

*See page 10 for more information.

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- Apply national regulations and evidence-based practices for medication safety and quality.
- Interpret results from pharmacotherapy-related quality improvement activities.

2:00 p.m. – 2:15 p.m.

Beverage break

2:15 p.m. – 3:45 p.m.

Cardiology II

Snehal Bhatt, PharmD, BCPS-AQ Cardiology, FASHP

ACPE Number: 0204-0000-25-953-L01-P

Application-based: 1.5 contact hours*

Objectives:

- Select the appropriate treatment and monitoring for a complex patient-case with multiple conditions.
- Develop a plan to address continuity of care issues.
- Formulate a medication therapy plan for smoking cessation.
- Determine how to manage drug – drug and drug-induced disease interactions in a patient with ischemic heart disease.
- Discuss quality of life in this population.
- Discuss national benchmarking standards and implications to patient care.

3:45 p.m. – 4:00 p.m.

Break

4:00 p.m. – 5:30 p.m.

Cardiology III

Christopher Betz, PharmD, BCPS, FKSHP, FASHP

ACPE Number: 0204-0000-25-953-L01-P

Application-based: 1.5 contact hours*

Objectives:

- Select optimal treatment and monitoring for a complex patient-case with multiple conditions, including heart failure, electrolyte disturbances in acute decompensated heart failure, diabetes, and a thyroid disorder.
- Discuss the medications that should be avoided in heart failure.
- Identify safety issues in this population.

5:45 p.m. – 7:00 p.m.

Meet and Greet (location to be announced)

*See page 10 for more information.

SUNDAY, DECEMBER 7

7:00 a.m. – 7:25 a.m.	Coffee and networking
7:25 a.m. – 7:30 a.m.	Announcements
7:30 a.m. – 9:00 a.m.	Gastrointestinal Disorders Brooklyn Olumba, PharmD, BCPS ACPE Number: 0204-0000-25-955-L01-P Application-based: 1.5 contact hours* Objectives: • Recommend appropriate treatment and monitoring, based on drug-specific variables, patient-specific information and clinical practice guidelines. • Evaluate drug-related problems and response to therapy. • Recommend modifications of patient-specific treatment plans based on follow up assessment.
9:00 a.m. – 9:15 a.m.	Break
9:15 a.m. – 10:45 a.m.	Oncology and Supportive Care Case Victoria R. Nachar, PharmD, BCOP ACPE Number: 0204-0000-25-955-L01-P Application-based: 1.5 contact hours* Objectives: • Select the appropriate treatment and monitoring of a complex patient-case with multiple conditions, including breast cancer, febrile neutropenia, and cancer-associated thromboembolism. • Compare and contrast current cancer screening recommendations. • Develop a plan to manage pain and nausea/vomiting in a patient with cancer. • Discuss safety issues in this population. • Discuss adherence issues with oral chemotherapy regimens.
10:45 a.m. – 11:15 a.m.	Board of Pharmacy Specialties Overview
11:15 a.m. – 12:45 p.m.	Lunch (on your own)
12:45 p.m. – 2:15 p.m.	Complex Pediatric Asthma Case Norman E. Fenn, III, PharmD, BCPS, BCPPS, FASHP ACPE Number: 0204-0000-25-954-L01-P Application-based: 1.5 contact hours* Objectives: • Select optimal treatment and monitoring for a complex patient-case with acute asthma exacerbation, acute otitis media, and seasonal allergies. • Apply methods for counseling a patient and/or caregiver in asthma self-management with comprehensive documentation of the patient counseling. • Develop a plan for childhood vaccinations in a child who has been delayed in receiving them. • Implement principles of shared-decision making and culturally effective care when using complementary/alternative medicine in a pediatric patient.

*See page 10 for more information.

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2:15 p.m. – 2:30 p.m.	Beverage break
2:30 p.m. – 4:00 p.m.	Complex Nursing Home Patient Case Kalin M. Clifford, PharmD, BCPS, BCGP, FASCP ACPE Number: 0204-0000-25-955-L01-P Application-based: 1.5 contact hours* Objectives: • Select the appropriate treatment for a complex patient-case with multiple conditions, including stroke, depression/anxiety, Alzheimer's, dementia, benign prostatic hypertrophy, urinary incontinence, and pain. • Discuss complementary/alternative medicine and safety issues in older adults. • Discuss quality improvement initiatives and regulations in the nursing home setting.
4:00 p.m. – 4:15 p.m.	Break
4:15 p.m. – 5:45 p.m.	Complex Pneumonia Case Katherine Lusardi, PharmD, BCIDP ACPE Number: 0204-0000-25-954-L01-P Application-based: 1.5 contact hours* Objectives: • Select the appropriate treatment and monitoring for a complex patient-case with multiple conditions, including pneumonia, acute renal insufficiency, sepsis, chronic obstructive pulmonary disease, and dehydration. • Interpret clinical data, including lab, physical examination and vital signs. • Determine and prioritize pneumonia-related treatment goals. • Determine approaches to manage drug allergies and select next best drug therapy when primary drugs are precluded. • Discuss approaches to limiting antimicrobial over use by stewarding antibiotic usage appropriately. • Discuss safety issues in patients receiving treatment for pneumonia.
5:45 p.m. – 5:50 p.m.	Closing Remarks

NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) are referenced with permission from the National Comprehensive Cancer Network® (NCCN®). To view the most recent and complete version of the guideline, go online to NCCN.org. NATIONAL COMPREHENSIVE CANCER NETWORK®, NCCN®, NCCN GUIDELINES®, and all other NCCN Content are trademarks owned by the National Comprehensive Cancer Network, Inc.

*See page 10 for more information.

WEB-ONLY MODULES – RELEASE DATE JANUARY 21, 2026

**Cardiac Arrhythmias and
Advanced Cardiac Life Support**

Heather Draper, PharmD, BCPS, BCEMP

Application-based: 1 contact hour

Objectives:

- Interpret signs, symptoms and diagnostic tests for cardiac arrhythmias.
- Identify drug-related problems, including drug interactions and adverse effects, associated with pharmacotherapy of cardiac arrhythmias.
- Identify strategies to prevent drug-induced arrhythmias.
- Recommend therapy and monitor for cardiac arrhythmias based on patient-specific information, current guidelines and Advanced Cardiac Life Support recommendations.

Complex HIV/AIDS Case

Mark Cinquegrani, PharmD, BCACP, AAHIVP

Application-based: 1 contact hour

Objectives:

- Recognize appropriate treatment regimens and monitoring of a complex patient-case with multiple conditions, including HIV infection, dyslipidemia, and hepatitis B.
- Identify and manage common drug interactions and adverse drug reactions experienced by HIV-treated patients.
- Determine appropriate medication choices for the treatment and prevention of common opportunistic infections.
- Discuss recommendations for pre-exposure prophylaxis (PrEP).

Diabetes

Lourdes Cross, PharmD, BCACP, CDCES

Application-based: 1 contact hour

Objectives:

- Interpret diagnostic and/or laboratory tests in patients with diabetes.
- Formulate the most appropriate treatment, monitoring, and follow-up plans based on patient-specific information and current guidelines.
- Evaluate drug-related problems.

Cardiology IV

Jessie Dunne, PharmD, BCPS, BCCP

Application-based: 1 contact hour

Objectives:

- Interpret diagnostic and/or laboratory tests, vital signs and clinical presentation in patients with heart failure.
- Formulate the most appropriate treatment and monitoring plans, based on patient-specific information and current guidelines for patients with heart failure.
- Recommend appropriate modifications of patient-specific treatment plans based on follow up assessment in patients with heart failure.

*See page 10 for more information.

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Fluid, Electrolytes, and Nutrition

Diana Solomon, PharmD, BCCCP

Application-based: 1 contact hour

Objectives:

- Interpret laboratory and diagnostic tests for fluid, electrolyte, and nutrition status.
- Recommend the most appropriate therapy and monitoring in patients with fluid, electrolyte, and nutritional disorders based on patient-specific information and current guidelines.
- Apply strategies to manage drug-related electrolyte interactions and nutrient interactions.

Infectious Diseases Part I

Tina Beck, PharmD, MSCR, BCPS

Application-based: 1 contact hour

Objectives:

For the following infectious diseases: *C.difficile* infection, skin and soft tissue infections, upper respiratory tract infections, community acquired pneumonia

- Interpret laboratory and diagnostic tests.
- Formulate the most appropriate treatment, monitoring, and follow-up plans based on patient-specific information and current guidelines.
- Evaluate drug-related problems.

Infectious Diseases Part II

Troy Kish, PharmD, BCPS

Application-based: 1 contact hour

Objectives:

For the following infectious diseases: sexually transmitted diseases, urinary tract infections, endocarditis, meningitis

- Interpret laboratory and diagnostic tests.
- Formulate the most appropriate treatment, monitoring, and follow-up plans based on patient-specific information and current guidelines.
- Manage drug-related problems.

Neurologic Disorders

Jonathan Wietholter, PharmD, BCPS, FCCP

Application-based: 1 contact hour

Objectives:

For patients with seizure disorders, Parkinson's disease, headache and sleep disorders:

- Evaluate the risks and benefits of drug therapy considering other medication and patient specific factors.
- Formulate the most appropriate treatment, monitoring and follow-up plans based on patient-specific information and current guidelines.
- Evaluate drug-related problems.

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Patient Education and Health Literacy	Nicholas Owens, PharmD, BCACP, BCPS, FCPP Application-based: 1 contact hour Objectives: • Assess considerations for communicating pharmacotherapy plans to different patient populations including pediatrics, geriatrics, using universal health literacy precautions. • Evaluate methods for educating patients and caregivers on safe and appropriate use of medications and devices.
Psychiatric and Substance Abuse Disorders	Mei Liu, PharmD, BCPP Application-based: 1 contact hour Objectives: For patients with bipolar disorder, schizophrenia, anxiety disorders, post-traumatic stress disorder, and/or substance abuse disorder: • Interpret basic diagnostic factors, clinical presentation, and target symptoms of selected psychiatric disorders. • Formulate the most appropriate treatment, monitoring, and follow-up plans based on patient-specific information and current guidelines. • Evaluate drug-related problems and response to therapy.
Kidney Disorders	Laura Waite, PharmD, BCPS, CLS Application-based: 1 contact hour Objectives: • For patients with acute kidney injury and chronic kidney disease, determine the most appropriate treatment and monitoring based on drug characteristics, patient-specific factors, and current clinical practice guidelines. • Manage drug dosing and drug-related complications in patients receiving renal replacement therapy. • Identify appropriate modifications to the treatment plans based on follow-up assessment to optimize outcomes.
Musculoskeletal and Rheumatic Disorders	Thuyvan Phan, PharmD, BCPS Application-based: 1 contact hour Objectives: For patients with rheumatoid arthritis, osteoarthritis and gout: • Formulate the most appropriate treatment and monitoring, based on drug-specific variables, patient-specific information and clinical practice guidelines. • Evaluate drug-related problems and response to therapy. • Recommend appropriate modifications of patient-specific treatment plans based on follow up assessment.

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Selected Topics in Critical Care

Paul Szumita, PharmD, BCCCP, BCPS, FASHP, FCCM

Application-based: 1 contact hour

Objectives:

- Interpret diagnostic and/or laboratory tests, vital signs, and clinical presentation in order to differentiate types of shock (hypovolemic, distributive, cardiogenic).
- Compare and contrast the pharmacologic agents utilized in shock.
- Recommend the most appropriate therapy and monitoring based on patient-specific information and current guidelines for the treatment of shock, prevention of stress ulcers, and prevention of venous thromboembolism.

Selected Topics in Acute Care Part II

Nathan A. Pinner, PharmD, BCPS, FASHP

Application-based: 1 contact hour

Objectives:

- Interpret diagnostic and/or laboratory tests, vital signs, and clinical presentation in acutely ill patients.
- Recommend the most appropriate therapy and monitoring based on patient-specific information and current guidelines for the treatment of venous thromboembolism (VTE)
- Recommend the most appropriate therapy and monitoring based on patient-specific information and current guidelines for the treatment of chronic obstructive pulmonary disease.

Women's Health

Morgan King, BS, PharmD, BCPPS

Application-based: 1 contact hour

Objectives:

- Describe pertinent sex-based differences in pharmacodynamics and pharmacokinetics that affect exposure and response to medications.
- Recommend appropriate treatment, monitoring and follow-up plans based on patient-specific information and current guidelines for osteoporosis and menopausal symptoms.
- Select appropriate contraceptive options, including emergency contraception, based on patient-specific information.
- Evaluate the safety and efficacy of common therapies used during pregnancy and lactation.
- Develop recommendations for common complications that occur during labor and delivery

*See page 10 for more information.

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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 with Commendation.

ACPE credit may be claimed at the end of the live Review and Recertification Course after completing an activity evaluation. ACPE credit is sorted into groups, as follows:

GROUP	ACPE Number	Title	Hours	Attendance Code
1	0204-0000-25-952-L04-P	Providing Safe and Effective Pharmacotherapy: Key Regulatory and Quality Approaches	1.5	
		Selected Topics in Acute Care Part I	1.5	
		Cardiology I	1.5	
2	0204-0000-25-953-L01-P	Cardiology II	1.5	
		Cardiology III	1.5	
3	0204-0000-25-954-L01-P	Complex Pediatric Asthma Case	1.5	
		Complex Pneumonia Case	1.5	
4	0204-0000-25-955-L01-P	Complex Nursing Home Case	1.5	
		Oncology and Supportive Care Case	1.5	
		Gastrointestinal Disorders	1.5	

*See page 10 for more information.

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*See page 10 for more information.