
AGENDA – LIVE COURSE

SATURDAY, DECEMBER 2

7:30 a.m. – 8:05 a.m.

Welcome/Introductions and Tips for Success

Stuart Haines, PharmD, BCACP, BCPS, BC-ADM, FAPhA, FASHP, FCCP

8:05 a.m. – 9:35 a.m.

Research Methods and Data Analysis

Stuart Haines, PharmD, BCACP, BCPS, BC-ADM, FAPhA, FASHP, FCCP

ACPE Number: 0204-0000-23-622-L04-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

- Analyze biomedical literature with regard to study methodology, statistical analysis, and significance.
- Explain the use of evidence-based treatment guidelines and protocols.
- Interpret the biomedical literature and its application to clinical practice.

9:35 a.m. – 9:45 a.m.

Break

9:45 a.m. – 11:15 a.m.

Cardiovascular Disease: Primary Prevention Case

Kristin Watson, PharmD, BCCP

ACPE Number: 0204-0000-23-623-L01-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

- 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 Center 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.

11:15 a.m. – 11:35 a.m.

Break

SATURDAY, DECEMBER 2 (CONTINUED)

11:35 a.m. – 12:35 p.m.	Evidence-based Practice and Resources Stuart Haines, PharmD, BCACP, BCPS, BC-ADM, FAPhA, FASHP, FCCP ACPE Number: 0204-0000-23-622-L04-P* Application-based: 1 contact hour Objectives: At the end of the presentation, the pharmacist should be able to: <ul style="list-style-type: none">• Identify sources of information to use in addressing questions that arise in one’s practice or from patients and other healthcare professionals.• Explain how to provide education regarding the principles and practices of evidence-based medicine to current and future health care professionals.
12:35 p.m. – 1:35 p.m.	Lunch (on your own) - or bring your lunch and join us for an informal round of “EBP Jeopardy” to fine tune your “Evidence-Based Practice”
1:35 p.m. – 3:05 p.m.	Providing Safe and Effective Pharmacotherapy: Key Regulatory and Quality Approaches Patricia C. Kienle, BSPHarm, MPA, BCSCP, FASHP ACPE Number: 0204-0000-23-622-L04-P* Application-based: 1.5 contact hours Objectives: At the end of the presentation, the pharmacist should be able to: <ul style="list-style-type: none">• Explain the regulatory and accreditation expectations 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.• Apply national regulations and evidence-based practices related to medication safety and quality.• Interpret results from pharmacotherapy-related quality improvement activities.
3:05 p.m. – 3:15 p.m.	Break

SATURDAY, DECEMBER 2 (CONTINUED)

3:15 p.m. – 4:45 p.m.

Cardiovascular Disease: Secondary Prevention Case

Snehal Bhatt, PharmD, BCPS-AQCardiology, FASHP

ACPE Number: 0204-0000-23-623-L01-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

- Select the appropriate treatment and monitoring for a complex patient-case with multiple conditions, including atrial fibrillation (AF), acute coronary syndromes (ACS), and gastroesophageal reflux disease (GERD).
- 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.

4:45 p.m. – 4:55 p.m.

Break

4:55 p.m. – 6:25 p.m.

Complex Heart Failure Case

Christopher Betz, PharmD, BCPS, FKSHP, FASHP

ACPE Number: 0204-0000-23-623-L01-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

- 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.

SUNDAY, DECEMBER 3

7:30 a.m. – 7:35 a.m.

Announcements

Victoria R. Nachar, PharmD, BCOP

7:35 a.m. – 9:05 a.m.

Oncology and Supportive Care Case

Victoria R. Nachar, PharmD, BCOP

ACPE Number: 0204-0000-23-625-L01-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

- Select the appropriate treatment and monitoring for a complex patient case with multiple conditions, including breast cancer, febrile neutropenia and pulmonary embolism.
- Compare and contrast current breast 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.

9:05 a.m. – 9:15 a.m.

Break

9:15 a.m. – 10:45 a.m.

Complex HIV/AIDS Case

Douglas Slain, PharmD, BCPS, FASHP

ACPE Number: 0204-0000-23-624-L01-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

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

SUNDAY, DECEMBER 3 (CONTINUED)

10:45 a.m. – 10:55 a.m.	Break
10:55 a.m. – 11:20 a.m.	Board of Pharmacy Specialties Examination Overview
11:20 a.m. – 12:20 p.m.	Lunch (on your own)
12:20 p.m. – 1:50 p.m.	Complex Pediatric Asthma Case Jill Morgan, PharmD, BCPS, BCPPS ACPE Number: 0204-0000-23-624-L01-P* Application-based: 1.5 contact hours <i>Objectives:</i> At the end of the presentation, the pharmacist should be able to: <ul style="list-style-type: none">• 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.
1:50 p.m. – 2:00 p.m.	Break
2:00 p.m. – 3:30 p.m.	Complex Nursing Home Patient Case Kalin M. Clifford, PharmD, BCPS, BCGP, FASCP ACPE Number: 0204-0000-23-625-L01-P* Application-based: 1.5 contact hours <i>Objectives:</i> At the end of the presentation, the pharmacist should be able to: <ul style="list-style-type: none">• Select the appropriate treatment for a complex patient-case with multiple conditions, including stroke, depression/anxiety, dementia, chronic COPD management, osteoarthritis, osteoporosis, and pain.• Discuss complementary/alternative medicine and safety issues in this population.• Discuss quality improvement initiatives and regulations in the nursing home setting.
3:30 p.m. – 3:40 p.m.	Break

SUNDAY, DECEMBER 3 (CONTINUED)

3:40 p.m. – 5:10 p.m.

Complex Pneumonia Case

Katherine Lusardi, PharmD, BCIDP

ACPE Number: 0204-0000-23-624-L01-P*

Application-based: 1.5 contact hours

Objectives:

At the end of the presentation, the pharmacist should be able to:

- Select the appropriate treatment and monitoring for a complex patient-case with multiple conditions, including pneumonia, acute renal insufficiency, sepsis, COPD 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

5:10 p.m. – 5:20 p.m.

Closing Remarks

Christopher Betz, PharmD, BCPS, FKSHP, FASHP

WEB-ONLY MODULES – RELEASE DATE FEBRUARY 7, 2024

**Cardiac Arrhythmias and
Advanced Cardiac Life Support**

Heather Draper, PharmD, BCPS
ACPE Number: 0204-0000-24-900-H01-P
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.

Diabetes

Lourdes Cross, PharmD, BCACP, CDCES
ACPE Number: 0204-0000-24-900-H01-P
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.

Gastrointestinal Disorders

Brooklyn Olumba, PharmD, BCPS
ACPE Number: 0204-0000-24-901-H01-P
Application-based: 1 contact hour

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.

Heart Failure

Kazuhiko Kido, PharmD, BCPS, BCCP

ACPE Number: 0204-0000-24-900-H01-P

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.

Fluid, Electrolytes, and Nutrition

Diana Solomon, PharmD, BCCCP

ACPE Number: 0204-0000-24-901-H01-P

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

ACPE Number: 0204-0000-24-901-H01-P

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

Krutika Mediwala-Hornback, PharmD, BCPS, BCIDP

ACPE Number: 0204-0000-24-901-H01-P

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

ACPE Number: 0204-0000-24-902-H01-P

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.

Patient Education and Health Literacy

Nicholas Owens, PharmD, BCACP, BCPS, FCCP

ACPE Number: 0204-0000-24-902-H01-P

Application-based: 1 contact hour

Objectives:

- Assess considerations for communicating pharmacotherapy plans to different patient populations including pediatrics, geriatrics, and patients with low health-literacy.
- 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

ACPE Number: 0204-0000-24-902-H01-P

Application-based: 1 contact hour

Objectives:

- Assess considerations for communicating pharmacotherapy plans to different patient populations including pediatrics, geriatrics, and patients with low health-literacy.
- Evaluate methods for educating patients and caregivers on safe and appropriate use of medications and devices.

Kidney Disorders

Laura Waite, PharmD, BCPS, CLS

ACPE Number: 0204-0000-24-902-H01-P

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

ACPE Number: 0204-0000-24-901-H01-P

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.

Selected Topics in Critical Care

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

ACPE Number: 0204-0000-24-900-H01-P

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

Brooke Barlow, PharmD, BCCCP

ACPE Number: 0204-0000-24-900-H01-P

Application-based: 1 contact hour

Objectives:

- Interpret diagnostic and/or laboratory tests, vital signs, and clinical presentation in critically ill patients with acute ischemic stroke, venous thromboembolism and need for anticoagulation reversal.
- Recommend the most appropriate therapy and monitoring based on patient-specific information and current guidelines for the treatment of venous thromboembolism, treatment of acute ischemic stroke, and reversal of anticoagulation.

Women's Health

Morgan King, BS, PharmD, BCPPS

ACPE Number: 0204-0000-24-902-H01-P

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.
- Formulate treatment recommendations for common complications that occur during labor and delivery

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	0204-0000-23-622-L04-P	Pharmacotherapy Review and Recertification Course: Research Methods and Data Analysis	1.5	
		Pharmacotherapy Review and Recertification Course: Evidence-based Practice and Resources	1	
		Pharmacotherapy Review and Recertification Course: Providing Safe and Effective Pharmacotherapy: Key Regulatory and Quality Approaches	1	
2	0204-0000-23-623-L01-P	Pharmacotherapy Review and Recertification Course: Cardiovascular Disease: Primary Prevention Case	1.5	
		Pharmacotherapy Review and Recertification Course: Cardiovascular Disease: Secondary Prevention	1.5	
		Pharmacotherapy Specialty Review and Recertification Course: Complex Heart Failure Case	1.5	
3	0204-0000-23-624-L01-P	Pharmacotherapy Specialty Review and Recertification Course: Complex HIV Case	1.5	
		Pharmacotherapy Review and Recertification Course: Complex Pediatric Asthma Case	1.5	
		Pharmacotherapy Specialty Review and Recertification Course: Complex Pneumonia Case	1.5	
4	0204-0000-23-625-L01-P	Pharmacotherapy Review and Recertification Course: Complex Nursing Home Case	1.5	
		Pharmacotherapy Specialty Review and Recertification Course: Oncology and Supportive Care Case	1.5	

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**2023 ASHP Pharmacotherapy Specialty
Review and Recertification Course**



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*Content matter experts