Research Design, Evidence-Based Medicine and Statistical Analysis
ACPE Numbers: 0204-9999-14-933-L04-P
Application-based: 2 Credit Hours

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

1. Interpret biomedical literature with regard to study design methodology, statistical analysis, and significance and applicability of reported data and conclusions.
2. Explain the use of evidence-based treatment guidelines and protocols.
3. Summarize key points from the most current pharmacy practice literature.
4. Identify appropriate responses to drug information requests from patients and healthcare professionals.
5. Explain procedures for documenting and reporting adverse drug-related events.
6. Explain how to provide education on principles and practices of evidence-based medicine to current and future health care professionals.

Cardiovascular Disease: Primary Prevention Case
ACPE Numbers: 0204-0000-14-944-L01-P
Application-based: 1.5 Credit Hours

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

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with multiple conditions, including hypertension, dyslipidemia, chronic kidney disease, diabetes, and obesity.
2. State the Center for Disease Control and Prevention Advisory Committee on Immunization Practices recommendations for adult immunizations.
3. Determine how to advise a patient on point-of-care testing to measure response to drug therapy.
4. Discuss cultural and health literacy issues in this population.
5. Identify appropriate methods to document a patient encounter.
6. Identify and recommend appropriate resource organizations/groups to assist a specific patient.
**Complex Breast Cancer Case**

ACPE Numbers: 0204-0000-14-952-L01-P  
Application-based: 1.5 Credit Hours

*Objectives:*

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

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with multiple conditions, including breast cancer, febrile neutropenia and pulmonary embolism.
2. Develop a plan to manage pain and nausea/vomiting in a patient with cancer.
4. (Faculty: select one of the following issues in italics.) Discuss *ethical, cultural, health literacy, legal, economic, quality of life or safety issue* in this population.
5. Identify and recommend appropriate resource organizations/groups to assist a specific patient.

**Complex Nursing Home Patient Case**

ACPE Numbers: 0204-0000-14-946-L01-P  
Application-based: 1.5 Credit Hours

*Objectives:*

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

1. Correctly answer case-based questions about appropriate treatment of a complex patient with multiple conditions, including stroke, depression/anxiety, dementia, chronic COPD management, osteoarthritis, osteoporosis, and pain.
2. (Faculty: select one of the following italicized issues.) Discuss *ethical, cultural, health literacy, legal, economic, quality of life or safety issue* in this population.
3. Identify and recommend appropriate resource organizations/groups to assist a specific patient.

**Cardiovascular Disease: Secondary Prevention Case #1**

ACPE Numbers: 0204-0000-14-947-L01-P  
Application-based: 1.5 Credit Hours

*Objectives:*

At the end of the presentation, the pharmacist should be able to:
1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with multiple conditions, including heart failure/electrolyte disturbances, ACS, and GERD.
2. Develop a plan to address continuity of care issues.
3. Formulate a medication therapy plan for smoking cessation.
5. Discuss quality of life in this population.
6. Identify and recommend appropriate resource organizations/groups to assist a specific patient.

**Cardiovascular Disease: Secondary Prevention Case #2**

ACPE Numbers: 0204-0000-14-948-L01-P
Application-based: 1.5 Credit Hours

**Objectives:**

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

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with multiple conditions, including heart failure, atrial fibrillation, and thyroid disorders.
2. Discuss safety issues in this population.
3. Formulate a plan to address barriers to patient education.
4. Identify and recommend appropriate resource organizations/groups to assist a specific patient.

**Regulatory and Quality Issues**

ACPE Numbers: 0204-0000-14-949-L03-P
Application-based: 1 Credit Hours

**Objectives:**

At the conclusion of the session the participant should be able to discuss national regulations and local (but universally adopted) practices related to

1. Quality metrics
2. Agencies that oversee quality (governmental and non-governmental)
3. Major public health initiatives (e.g., REMS programs, Healthy People 2020, Core Measures)
4. Prescribing and monitoring specific drugs (e.g., methadone, isotretinoin, REMS programs)
5. Federal regulations related to patient’s rights and protections (e.g., privacy, child/adult protective services, advance directives, living will, power of attorney, do not resuscitate)
Medication Safety
ACPE Numbers: 0204-0000-14-950-L05-P
Application-based: 1 Credit Hours

Objectives:

At the conclusion of the session the participant should be able to discuss national regulations and local (but universally adopted) practices related to

1. Adverse drug reaction reporting
2. Medication safety
3. Formulary management
4. Drug development and approval processes
5. Ethical issues, such as appropriate interactions with industry, conflict of interest disclosures

Complex HIV/AIDS Case
ACPE Numbers: 0204-0000-14-951-L02-P
Application-based: 1.5 Credit Hours

Objectives:

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

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with multiple conditions, including dyslipidemia, acute MRSA skin infection, hepatitis B and substance abuse.
2. Identify and manage common drug interactions experienced by HIV-treated patients.
3. Identify and manage common adverse drug reactions experienced by HIV-treated patients.
4. Describe ways to counsel patients on safe sex practices.
5. (Faculty: Select one of the following italicized issues.) Discuss ethical, cultural, health literacy, legal, economic, quality of life or safety issue in this population.
6. Identify and recommend appropriate resource organizations/groups to assist a specific patient.

Complex Pediatric Asthma Case
ACPE Numbers: 0204-0000-14-945-L01-P
Application-based: 1.5 Credit Hours

Objectives:

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

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with acute asthma exacerbation, acute otitis media and seasonal allergies.
2. Determine methods for counseling a patient and/or caregiver regarding asthma self-management plan.

3. Formulate a plan for childhood vaccinations in a child who has been delayed in receiving them.

4. (Faculty: select one of the following italicized issues.) Discuss *ethical, cultural, health literacy, legal, economic, quality of life or safety issue* in this population.

5. Identify and recommend appropriate resource organizations/groups to assist a specific patient.

**Complex Pneumonia Case**

ACPE Numbers: 0204-0000-14-953-L01-P

Application-based: 1.5 Credit Hours

**Objectives:**

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

1. Correctly answer case-based questions about appropriate treatment and monitoring of a complex patient with multiple conditions, including healthcare-associated pneumonia, acute renal insufficiency, sepsis, COPD and dehydration.

2. Interpret clinical data, including lab, physical examination and vital signs.

3. Determine and prioritize treatment goals.

4. Explain relevant Joint Commission core measures.

5. (Faculty: select one of the following italicized issues.) Discuss *ethical, cultural, health literacy, legal, economic, quality of life or safety issue* in this population.

6. Identify and recommend appropriate resource organizations/groups to assist a specific patient.