

Materials for this course will release 11/23/2022

The home study review course will be available February 1, 2023

Pharmacotherapy Review Course, Pract Exam, and Core Therapeutic Modules Package (No Recert Credit) (Cert # L229272)

Teaser: This online Specialty Review Course, Practice Exam, and Core Therapeutic Modules package will help you prepare for the Board of Pharmacy Specialty (BPS) examination. With this course, get comprehensive, practical guidance, with a variety of complex cases, including references for further study.

Tag: Certifications; Pharmacotherapy



ACPE Numbers: Various - see listing below

Pre-Sale Date: 10/26/2022

Content Release Date: 11/23/2022 Expiration Date: 10/24/2023 Activity Type: Application-based

CE Credits: TBD contact hours (ACPE only)

Activity Fee: \$425 (ASHP member); \$625 (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 recorded during a live educational event on December 3-4, 2022 at the Midyear Clinical Meeting in Las Vegas. Learners who claimed credit for the live activities should not claim credit for these home study activities.

Target Audience

These activities are intended for pharmacists who are seeking to update their knowledge and skills commensurate with a board certification examination in the areas listed below.

Activity Overview

This online course provides a robust preparatory curriculum for the pharmacy professional preparing for the Board of Pharmacy Specialties (BPS) Pharmacotherapy Specialty Certification Examination. Designed based on the domains, tasks, and knowledge statements developed by the BPS for the certification examination, this course will help you prepare for the exam by identifying areas needed for in-depth review of pharmacotherapy issues by:

- Reviewing pertinent clinical topics and practice skills
- Providing exam practice questions
- Listing valuable references for further study

This course is **NOT** intended for those obtaining recertification credit. To earn recertification credit, please see courses here: http://elearning.ashp.org/catalog/ptherapy-recert

These activities are part of the ASHP professional development program.



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REVIEW COURSE

This course consists of 11 activities (see table below) and provides up to 16 contact hours of continuing pharmacy education credit. The Review Course includes case-based presentations for application to real-life scenarios, a practice exam along with correct answers, and links to the reference sources, and domains, tasks, and knowledge statements. To help you further prepare, this package includes a compilation of practice questions in the same format and rigor to help you prepare for the BPS Specialty Examination.

Learning Activity	ACPE Number	Contact Hours	ACPE Expiration Date
Cardiovascular Disease: Primary Prevention Case	0204-0000-22-605-H01-P	1.5 ACPE	12/03/2025
Cardiovascular Disease: Secondary Prevention Case	0204-0000-22-606-H01-P	1.5 ACPE	12/03/2025
Complex Heart Failure Case	0204-0000-22-607-H01-P	1.5 ACPE	12/03/2025
Providing Safe and Effective Pharmacotherapy: Key Regulatory and Quality Approaches	0204-0000-22-608-H05-P	1.5 ACPE	12/03/2025
Research Methods and Data Analysis	0204-0000-22-609-H04-P	1.5 ACPE	12/03/2025
Oncology and Supportive Care Case	0204-0000-22-610-H01-P	1.5 ACPE	12/03/2025
Complex Nursing Home Patient Case	0204-0000-22-611-H01-P	1.5 ACPE	12/03/2025
Complex HIV/AIDS Case	0204-0000-22-612-H02-P	1.5 ACPE	12/03/2025
Complex Pediatric Asthma Case	0204-0000-22-613-H01-P	1.75 ACPE	12/03/2025
Complex Pneumonia Case	0204-0000-22-614-H01-P	1.25 ACPE	12/03/2025
Evidence-based Practice and Resources	0204-0000-22-647-H04-P	1.0 ACPE	12/03/2025

Learning Objectives

After participating in this CPE activity, learners should be able to:

Cardiovascular Disease: Primary Prevention Case

ACPE#: 0204-0000-22-605-H01-P

- 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.

Cardiovascular Disease: Secondary Prevention Case

ACPE#: 0204-0000-22-606-H01-P

- 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.



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Complex Heart Failure Case

ACPE#: 0204-0000-22-607-H01-P

- 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.
- Define inadequate health literacy in this population.

Providing Safe and Effective Pharmacotherapy: Key Regulatory and Quality Approaches

ACPE#: 0204-0000-22-608-H05-P

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

Research Methods and Data Analysis

ACPE#: 0204-0000-22-609-H04-P

- 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.

Oncology and Supportive Care Case

ACPE#: 0204-0000-22-610-H01-P

- Select the appropriate treatment and monitoring of 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.

Complex Nursing Home Patient Case

ACPE#: 0204-0000-22-611-H01-P

- Select the appropriate treatment for a complex patient-case with multiple conditions, including stroke, depression/anxiety, dementia, chronic obstructive pulmonary disease, osteoarthritis, osteoporosis, and pain.
- Discuss complementary/alternative medicine and safety issues in older adults.
- Discuss quality improvement initiatives and regulations in the nursing home setting.

Complex HIV/AIDS Case

ACPE#: 0204-0000-22-612-H02-P

- Select the appropriate treatment and monitoring of a complex patient-case with multiple conditions, including HIV
 infection, 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).



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Complex Pediatric Asthma Case ACPE#: 0204-0000-22-613-H01-P

- 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.

Complex Pneumonia Case

ACPE#: 0204-0000-22-614-H01-P

- 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.
- nterpret 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.

Evidence-based Practice and Resources

ACPE#: 0204-0000-22-647-H01-P

- Identify sources of information to use to answer questions in one's practice, or from patients and healthcare professionals.
- Explain how to provide education regarding evidence-based practice to current and future health care professionals.



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CORE THERAPEUTIC MODULES

The Core Therapeutic Modules Review Package consists of 16 activities in which faculty review clinical topics and practice skills using a case-based approach. The activities are designed to assist the learner in identifying knowledge gaps in preparation for a pharmacy specialty board examination. In addition to a recorded presentation, each activity includes links to resources for further self-study and a practice test developed in the same format and rigor as the specialty exam.

Learning Activity	ACPE Number	Contact Hours	ACPE Expiration Date
Select Topics in Infectious Diseases: Part 1	0204-0000-22-615-H01-P	1.00 ACPE	11/23/25
Select Topics in Infectious Diseases: Part 2	0204-0000-22-616-H01-P	1.00 ACPE	11/23/25
Statistics, Evidence-Based Medicine, and Clinical Trial Design	0204-0000-18-934-H04-P 0204-0000-21-985-H04-P	2.00 ACPE	05/16/24
Cardiac Arrhythmias and Advanced Cardiac Life Support	0204-0000-20-992-H01-P	1.00 ACPE	11/24/23
Pharmacotherapy Considerations in the Management of Shock	0204-0000-20-993-H01-P	1.00 ACPE	11/24/23
Fluid, Electrolytes, and Nutrition	0204-0000-22-617-H01-P	1.00 ACPE	09/21/25
Select Topics in Men's Health	0204-0000-20-615-H01-P	1.00 ACPE	11/24/23
Select Topics in Women's Health	0204-0000-20-616-H01-P	1.00 ACPE	11/24/23
Select Topics in Neurologic Disorders	0204-0000-22-618-H01-P	1.00 ACPE	11/23/25
Select Topics in Psychiatric Disorders	0204-0000-21-625-H01-P	1.00 ACPE	11/21/24
Select Topics in Gastrointestinal Diseases	0204-0000-20-617-H01-P	1.00 ACPE	11/24/23
Select Topics in Rheumatology	0204-0000-21-626-H01-P	1.00 ACPE	11/21/24
Diabetes	0204-0000-22-619-H01-P	1.00 ACPE	11/23/25
Heart Failure	0204-0000-21-627-H01-P	1.00 ACPE	11/21/24
Selected Topics in Renal Disease	0204-0000-21-628-H01-P	1.00 ACPE	11/21/24
Patient Education and Health Literacy	0204-0000-21-629-H04-P	1.00 ACPE	11/21/24

Learning Objectives

Select Topics in Infectious Diseases: Part 1

ACPE#: 0204-0000-22-615-H01-P

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.

Select Topics in Infectious Diseases: Part 2

ACPE#: 0204-0000-22-616-H01-P

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.
- Evaluate drug-related problems.



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Fluid, Electrolytes, and Nutrition ACPE#: 0204-0000-22-617-H01-P

- 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.

Select Topics in Neurologic Disorders ACPE#: 0204-0000-22-618-H01-P

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.

Diabetes

ACPE#: 0204-0000-22-619-H01-P

- 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.

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Disclosures

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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.



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The following persons in control of this activity's content have relevant financial relationships:

- Snehal Bhatt: advisory board, Astra Zeneca; advisory board and speaker's bureau, Janssen Pharmaceuticals, Inc.
- Marc Scheetz: NIH, research support; legal consulting, Taylor, English, Duma, LLP, Hall, Booth, Smith, Reminger Co.
 LPA; consulting/honoraria, uidepoint Global, Spero, Third Pole Therapeutics, Merck, Takeda

All other persons in control of the content of this activity has a relevant financial relationship (RFR) with an ineligible company.

Methods and CE Requirements

Activities can be completed in any order. Each activity consists of video, PDFs and evaluations. Learners must review all content and complete the evaluations 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.

To maintain its strict, independent standards for certification, BPS does NOT endorse or provide review information, preparatory courses, or study guides for Board Certification Examinations.