

PSAP 2019 Book 1 (*Cardiology*)

Total Available Hours: 18.5

BCPS test deadline: 11:59 p.m. (Central) on August 1, 2019.

ACPE test deadline: 11:59 p.m. (Central) on January 14, 2022.

Cardiology I (Module 1) – Credit Hours: 5.0

Chapter: Hypertension

Learning Objectives

1. Distinguish between the recommendations for hypertension management among recent hypertension- and disease-specific guidelines.
2. Justify blood pressure goals for individual patients on the basis of the primary literature and hypertension guidelines.
3. Apply understanding of blood pressure results and measurement technique to a patient case.
4. Design an evaluation and treatment plan for a patient presenting with hypertension.

Chapter: Dyslipidemia

Learning Objectives

1. Assess ASCVD risk based on recommendations from the 2018 ACC/AHA cholesterol guidelines.
2. Design an appropriate treatment plan for dyslipidemia according to patients' individual risk factors and comorbidities using 2018 cholesterol guidelines.
3. Develop a treatment plan for patients with statin intolerance.
4. Using current evidence, evaluate the appropriate use of non-statin agents and emerging lipid-lowering therapies.

Cardiology II (Module 2) – Credit Hours: 6.5

Chapter: Acute Coronary Syndrome/Acute Myocardial Infarction

Learning Objectives

1. Develop evidence-based therapeutic regimens to improve outcomes in patients with acute coronary syndrome.
2. Design a dual antiplatelet therapy regimen for patients who undergo percutaneous coronary intervention (PCI).
3. Develop an anticoagulation regimen to treat and prevent complications for patients who undergo PCI.
4. Evaluate opportunities to optimize clinical outcomes in a patient with an acute myocardial infarction.

Chapter: Heart Failure

Learning Objectives

1. Apply treatment strategies to reduce the progression of heart failure (HF) through assessing functional class.
2. Evaluate and justify traditional and newer treatment strategies for patients with stage C HF,

specifically as they relate to the 2017 guideline updates.

3. Develop treatment strategies for patients with stage D HF.
4. Evaluate treatment strategies for potential benefit/harm for the patient with HF with preserved ejection fraction.

Chapter: Complex Management of Atrial Fibrillation

Learning Objectives

1. Distinguish between appropriate oral anticoagulation (OAC) regimens for patients with comorbid valvular heart disease and atrial fibrillation (AF) versus patients with valvular AF.
2. Design appropriate OAC for patients requiring AF-related procedures.
3. Design an OAC that minimizes bleeding risk in the perioperative setting.
4. Justify the pharmacist's role in the shared decision-making process for guideline-directed therapy and management principles.

Cardiology III (Module 3) – Credit Hours: 4.0

Recorded Webcast: Precision Medicine in Cardiovascular Disease

Learning Objectives

1. Evaluate the analytic validity, clinical validity, and clinical utility of pharmacogenomic (PGx) testing using in patients treated with medications to manage cardiovascular (CV) disease.
2. Apply a CYP2C19 genotype to individualize antiplatelet therapy selection for patients undergoing percutaneous CV interventions.
3. Apply CYP2C9, VKORC1, and CYP4F2 genotypes to establish an anticoagulation regimen for patients taking warfarin.
4. Assess the role of PGx testing in hyperlipidemia, hypertension, heart failure, arrhythmia, and with direct oral anticoagulants.

Recorded Webcast: Valvular Heart Disease

Learning Objectives

1. Assess patients for the presence of common valvular disorders.
2. Design antithrombotic therapy for patients who have had mechanical or bioprosthetic heart valve replacement.
3. Analyze outcomes of clinical trial data comparing single with dual antiplatelet therapy after transcatheter aortic valve replacement (TAVR), and contrast this to current guideline recommendations.
4. Evaluate potential complications associated with TAVR and strategies to mitigate the risk of adverse events.

Cardiology IV (Module 4) – Credit Hours: 3.0

Recorded Webcast: Meta-analysis and Observational Research in Cardiovascular Disease

Learning Objectives

1. Assess the quality and results of a published meta-analysis by identifying its key components.
2. Describe the role of complex meta-analytic techniques, including network meta-analysis.

3. Analyze the presentation of secondary data studies that use propensity score methods.

Statistics in Practice: Statistics Overview

Learning Objectives

1. Evaluate methodologies for a hypothesis, given constraints in funding, available data, and purpose.
2. Classify common biases in prospective and retrospective, experimental and observational study designs.
3. Assess study quality on the basis of the potential impact of common biases on study results.