PSAP 2019 Book 3 (*Endocrinology and Nephrology*)
Total Available Hours: 22.0
BCPS test deadline: 11:59 p.m. (Central) on March 16, 2020.
ACPE test deadline: 11:59 p.m. (Central) on September 14, 2022.

Endocrinology I (Module 1) - Credit Hours: 7.0

Chapter: Diabetes Mellitus
Learning Objectives
1. Apply the current treatment guidelines to a specific patient with type 2 diabetes.
2. Evaluate the appropriateness of non-insulin therapies in patient-specific situations.
3. Construct a treatment plan for a patient needing to convert between different insulin regimens.
4. Design a patient-specific regimen incorporating a fixed-ratio combination of a basal insulin and glucagon-like peptide-1 receptor agonist.
5. Assess the safety and efficacy of non-insulin therapies in a patient with type 1 diabetes.

Chapter: Obesity
Learning Objectives
1. Develop patient-specific weight-loss goals after assessing the patient's condition.
2. Design a therapeutic plan for a patient, incorporating evidence-based guidelines for the management of obesity.
3. Evaluate the risk-benefit of pharmacologic and surgical options for obesity management.
4. Develop a therapeutic plan for a patient on the basis of nutritional needs after bariatric surgery.

Chapter: Infertility
Learning Objectives
1. Evaluate a patient for infertility on the basis of medical history, conception attempts, and male sperm characteristics
2. Correlate the presence of non-modifiable and modifiable factors on the risk of developing female infertility
3. Compare and contrast the approach to diagnosis of infertility in both men and women based on etiology
4. Given an etiology of female infertility, design a therapeutic plan to optimize chance of conception

Nephrology I (Module 2) - Credit Hours: 5.0

Chapter: Acid-Base Disorders
Learning Objectives
1. Classify acid-base disorder(s) based on arterial blood gas and serum chemistry data
2. Analyze laboratory data to assess for compensation of primary underlying disorder
3. Distinguish proposed models of acid-base physiology

4. Develop patient-specific treatment regimen of acid-base imbalance

Chapter: Drug Dosing in Dialysis
Learning Objectives
1. Assess the impact of pharmacokinetic and pharmacodynamic properties of drugs in various dialysis modalities.
2. Distinguish factors that determine drug dialyzability.
3. Develop drug dosing regimens for patients receiving intermittent hemodialysis, peritoneal dialysis, continuous renal replacement therapy, and hybrid renal replacement therapy.
4. Design monitoring plans to evaluate the efficacy and safety of drugs in renal replacement therapies.

Endocrinology II (Module 3) - Credit Hours: 5.0

Recorded Webcast: Continuous Glucose Monitoring Systems
Learning Objectives
1. Apply recommendations from clinical practice guidelines with regard to continuous glucose monitor (CGM) systems for patients with diabetes mellitus (DM).
2. Distinguish between the various CGM systems.
3. Evaluate available evidence regarding the use of CGM systems in patients with DM.
4. Develop a therapy plan for patients with DM that incorporates CGM systems in conjunction with standard of care.

Recorded Webcast: Subcutaneous Insulin Infusion Devices
Learning Objectives
1. Apply recommendations from clinical practice guidelines with regard to continuous subcutaneous insulin infusion (CSII) devices for patients with diabetes mellitus (DM).
2. Distinguish between the various CSII devices.
3. Evaluate available evidence regarding the use of CSII devices in patients with DM.
4. Develop a therapy plan for patients with DM that incorporates CSII devices in conjunction with standard of care.

Nephrology II (Module 4) - Credit Hours: 5.0

Recorded Webcast: Renal Clearance Formulae
Learning Objectives
1. Evaluate endogenous and exogenous markers used in the assessment of kidney function.
2. Distinguish clinical scenarios for which direct measurement versus estimation of renal function is most appropriate
3. Justify use of the optimal renal estimate equation to guide medication dosing in selected populations.
4. Design the most appropriate therapy regimens for a patient with kidney disease

Interactive Case: Drug Dosing in Acute Kidney Injury

Learning Objectives

1. Classify the varying pathophysiology of acute kidney injury (AKI).
2. Classify the stages of AKI.
3. Evaluate the pharmacokinetic and pharmacodynamic alterations expected in AKI.
4. Design appropriate therapy for a patient with AKI not receiving renal replacement therapy.

Statistics in Practice: Comparing Two Groups, Analysis of Paired Data

Learning Objectives

1. Select appropriate statistical tests for comparing independent groups on the basis of the sample distribution, data type, and study design.
2. Select appropriate statistical tests for paired data on the basis of the sample distribution, data type, and study design.
3. Interpret the statistical tests used in published research studies comparing two groups of independent or paired data and determine their appropriateness.