

Mayo Clinic Physician Assistant Board Review

PHARMACOLOGY CONTENT



Select presentations will contain pharmacology content as noted in the program. Identified presentations represent approximately 11.75 hours of pharmacology content.

Tuesday, July 30, 2019	
7:00 a.m.	Registration and Breakfast
7:45 a.m.	Welcome and Introductions
8:00 a.m. 	<p>Pulmonary- Pleural Diseases, Pulmonary Circulation, Restrictive Diseases, Pulmonary Embolism and Other Pulmonary Diseases</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Pulmonology = 12% of test • Outline terms and common tests • Discuss diagnostic test for pleural lung diseases • Describe different types of restrictive lung diseases • Recognize characteristics of diseases within the pulmonary circulatory system
9:00 a.m.	<p>Pulmonology – Bronchiectasis, COPD, Asthma, PFT Review</p> <p>Respiratory Inhalers</p> <p>Managing Asthma</p> <p>Inhaled Glucocorticoids</p>
10:00 a.m.	Refreshment Break
10:15 a.m. 	<p>Pulmonary Infections</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Review infectious disorders: • Acute bronchitis • Acute bronchiolitis • Acute epiglottitis • Croup • Influenza • Pertussis • Pneumonias—Bacterial, Viral, Fungal, HIV-related • Respiratory syncytial virus infection • Tuberculosis
11:00 a.m. 	<p>Infectious Disease Part I</p> <p>Learning Objectives:</p> <p>Review:</p> <ul style="list-style-type: none"> • Bacterial disease • Fungal disease • Mycobacterial disease <p>Review infectious syndromes:</p> <ul style="list-style-type: none"> • Acute/chronic osteomyelitis • Septic arthritis
12:00 p.m.	<p>Lunch</p> <p>Lab Medicine (Optional)</p>

1:00 p.m. 	<p>Infectious Disease Part II</p> <p>Learning Objectives:</p> <p>Review:</p> <ul style="list-style-type: none"> • Spirochetal disease • Viral disease • Parasitic disease <p>Review infectious syndromes:</p> <ul style="list-style-type: none"> • Infectious diarrhea • Noninfectious diarrhea • Encephalitis • Meningitis
2:00 p.m. 	<p>Endocrinology - Diabetes, Disorders of the Thyroid</p> <p>Diabetes Mellitus</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Differentiate the etiology between DM1 and DM2 • Understand therapeutic management for DM1 and DM2 • Understand difference between hyper- and hypothyroidism and corresponding labs • Understand therapeutic management in hyper- vs hypothyroidism • Review of thyroid nodules and thyroid cancer
2:45 p.m.	Refreshment Break
3:00 p.m. 	<p>Endocrinology–Disorders of the Adrenal Gland, Pituitary, Parathyroid, and Osteoporosis</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Discuss epidemiology, etiology, clinical manifestations, diagnosis and treatment of the following endocrine disorders: • Pituitary gland • Adrenal glands • Parathyroid glands • Osteoporosis
4:00 pm	Neurology Neurology Chart
5:00 p.m.	Day One Wrap-up
5:15 p.m.	Day One Adjourns
5:15-6:00 p.m.	Mayo Clinic Tour (Optional)
Wednesday, July 31, 2019	
7:00 a.m.	Breakfast
7:30 a.m.	Review Key Board-related Summary Points
8:00 a.m.	EKG Basics
8:45 a.m.	Valvular Disease, Cardiomyopathy, Other Forms of Heart Disease . 297 Cardiac Physical Exam
9:45 a.m.	Refreshment Break
10:00 a.m.	Hypertension, Hypotension

	<p>Learning Objectives:</p> <ul style="list-style-type: none"> • Discuss, define and treatment of essential hypertension, secondary hypertension and hypertensive emergencies • Discuss, define and treatment of hypotension including cardiogenic shock and orthostatic hypotension
10:30 a.m.	Coronary Heart Disease
11:15 a.m.	Congenital Heart Disease
12:00 p.m.	Lunch
	Management of Common Cardiac Conditions in Hospitalized Patients (Optional)
1:00 p.m.	<p>Heart Failure</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • List signs and symptoms of Heart Failure (HF) • Describe initial and serial evaluation of HF • Describe stages of HF • Discuss treatment strategies
	
1:30 p.m.	Vascular Medicine
2:30 p.m.	<p>Cardiac/Vascular Pharmacology</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Outline the commonly used classes of medications used for hypertension. • Choose an appropriate agent for a patient based on his or her compelling indications for pharmacotherapy. • Review the evidence supporting the use of novel oral anticoagulants (NOACs) for atrial fibrillation and venous thromboembolism.
	
3:30 p.m.	Refreshment Break
3:45 p.m.	<p>Infectious Disease – Pharmacology-Antibiotics/Antifungals</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Name the pharmacologic targets of commonly utilized antibiotics. • Classify antibiotics based on the pharmacodynamic parameters associated with their efficacy. • Explain common causes of antibiotic failure. • Describe the spectra of activity of various antibiotic classes. • List common adverse effects of individual antibiotic agents.
	
4:45 p.m.	Day Two Wrap-up
5:00 p.m.	Day 2 Adjourns
Thursday, August 1, 2019	
7:00 a.m.	Breakfast
7:30 a.m.	Review Key Board-related Summary Points
8:00 a.m.	Gastroenterology – Liver / Gallbladder / Pancreas 675
8:30 am	Gastroenterology – Esophagus / Stomach

9:00 am	Gastroenterology - Small Bowel / Colon / Rectum Part 1 Infectious Diarrhea Nutritional Deficiencies Part 2
10:00 a.m.	Refreshment Break
10:15 am	Dermatology Review
11:00 am	Nephrology – ARF, CKD
11:30 am	Acid/Base – ABG review
12:00 p.m.	Lunch Case Sheets Takeaways ABG Breakout Session (Optional)
1:00 pm 	Oncology Learning Objectives: <ul style="list-style-type: none"> • Overview of cancers referenced in board review + encountered in general practice • Epidemiology/risk factors • Screening recommendations • Evaluation/diagnosing/management of suspected or confirmed malignancy before referral • Survivorship issues/long-term sequelae and considerations • Apply in case studies
2:00 pm	Rheumatology Learning Objectives and outline: <ul style="list-style-type: none"> • Review and discuss Rheumatology topics on the NCCPA PANRE outline • Participants at conclusion of module will have a better understanding of the selected topics for the PANRE and their clinical practices • Individual Topic Review • Case Studies and Discussion
3:15 p.m.	Refreshment Break
3:30 p.m. 	Psychiatry Learning Objectives: <ul style="list-style-type: none"> • Provide an overview of psychiatric topics relevant to the PANCE and PANRE.
4:45 p.m.	Day Three Wrap-up
5:00 p.m.	Day 3 Adjourns
Friday, August 2, 2019	
7:00 a.m.	Breakfast
7:30 a.m.	Review Key Board-related Summary Points
8:00 a.m.	Urology
9:00 a.m.	Women’s Health: Antepartum & Intrapartum Care–From Normal to Abnormal

10:15 a.m.	Refreshment Break
10:30 am	Women's Health Menstrual Cycle
11:30 am	Hematology Inherited Coagulation Disorders
12:15 p.m.	Lunch
1:15 p.m.	Musculoskeletal
2:30 p.m.	Refreshment Break
2:45 pm	Eye, Ear, Nose, and Throat
3:45 p.m.	Pediatrics Immunizations
4:45 p.m.	Closing Remarks
5:00 p.m.	Course Adjourns

Program schedule subject to change.