








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, August 7, 2018	
7:00 a.m.	Registration and Continental Breakfast Leighton Auditorium Foyer
7:45 a.m.	Welcome Ryan A. Meverden P.A.-C., Kelly J. Christensen P.A.-C.
8:00 a.m. 	Pulmonary- Pleural Diseases, Pulmonary Circulation, Restrictive Diseases, Pulmonary Embolism and Other Pulmonary Diseases Vicki A. Loeslie, A.P.R.N., C.N.P., D.N.P. Objectives: <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.	Pulmonology – Bronchiectasis, COPD, Asthma, PFT Review Eric A. Aguirre, A.P.R.N., C.N.P.
10:00 a.m.	Break Leighton Auditorium Foyer
10:15 a.m. 	Pulmonary Infections Daniel C. DeSimone., M.D. Objectives: <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. 	Infectious Disease Part I Daniel C. DeSimone., M.D. Objectives: Review: <ul style="list-style-type: none"> • Bacterial disease • Fungal disease • Mycobacterial disease Review infectious syndromes: <ul style="list-style-type: none"> • Acute/chronic osteomyelitis

	<ul style="list-style-type: none"> Septic arthritis
12:00 p.m.	Lunch EKG Basics Sally E. Heusinkvelt, A.P.R.N., C.N.P.
1:00 p.m. 	Infectious Disease Part II Daniel C. DeSimone., M.D. Objectives: Review: <ul style="list-style-type: none"> Spirochetal disease Viral disease Parasitic disease Review infectious syndromes: <ul style="list-style-type: none"> Infectious diarrhea Noninfectious diarrhea Encephalitis Meningitis
2:00 p.m. 	Endocrinology - Diabetes, Disorders of the Thyroid Michele M. Merten, A.P.R.N., C.N.P. Objectives: <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.	Break Leighton Auditorium Foyer
3:00 p.m. 	Endocrinology–Disorders of the Adrenal Gland, Pituitary, Parathyroid, and Osteoporosis Justine S. Herndon, P.A.-C. Objectives: <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 p.m. 	Psychiatry Jill C. Rohling, P.A.-C. Objectives: <ul style="list-style-type: none"> Provide an overview of psychiatric topics relevant to the PANCE and PANRE.
5:00 p.m.	Day One Wrap-up Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.
5:15 p.m.	Adjourn
5:15-6:00 p.m.	Mayo Clinic Tour (Optional)

Wednesday, August 8, 2018	
7:00 a.m.	Breakfast Leighton Auditorium Foyer
7:30 a.m.	Review Key Board-related Summary Points Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.
8:00 a.m.	Management of Common Cardiac Conditions in Hospitalized Patients (Optional) Sally E. Heusinkvelt, A.P.R.N., C.N.P.
8:45 a.m.	Valvular Disease, Cardiomyopathy, Other Forms of Heart Disease Abdallah El Sabbagh, M.D.
9:45 a.m.	Break Leighton Auditorium Foyer
10:00 a.m. 	Hypertension, Hypotension Jane F. Myers, A.P.R.N., C.N.P. Objectives: <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 William A. Schnell, Jr., P.A.-C.
11:15 a.m.	Congenital Heart Disease William A. Schnell, Jr., P.A.-C.
12:00 p.m.	Lunch – Leighton Auditorium Lab Medicine (Optional) Andrew J. Herber, P.A.-C.
1:00 p.m. 	Heart Failure Janell Grazzini Frantz, A.P.R.N., C.N.P., M.S.N. Objectives: <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 Karen M. Townsend, P.A.-C.
2:30 p.m. 	Cardiac/Vascular Pharmacology Bryce M. Kayhart, Pharm.D., R.Ph. Objectives: <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

	<p>indications for pharmacotherapy.</p> <ul style="list-style-type: none"> Review the evidence supporting the use of novel oral anticoagulants (NOACs) for atrial fibrillation and venous thromboembolism.
3:30 p.m.	<p>Break</p> <p>Leighton Auditorium Foyer</p>
3:45 p.m. 	<p>Infectious Disease – Pharmacology-Antibiotics / Antifungals</p> <p>Bryce M. Kayhart, Pharm.D., R.Ph.</p> <p>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.	<p>Day Two Wrap-up</p> <p>Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.</p>
5:00 p.m.	<p>Adjourn</p>

Thursday, August 9, 2018	
7:00 a.m.	Breakfast Leighton Auditorium Foyer
7:30 a.m.	Review Key Board-related Summary Points Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.
8:00 a.m.	Nephrology – ARF, CKD Claudia M. Anderson, A.P.R.N., C.N.P., M.S.N.
8:30 a.m.	Acid/Base – ABG review Claudia M. Anderson, A.P.R.N., C.N.P., M.S.N.
9:00 a.m. 	Rheumatology Daniel E. Schaffer, P.A.-C. 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.
10:15 a.m.	Break Leighton Auditorium Foyer
10:30 a.m. 	Oncology Casey A. Fazer, P.A.-C. 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
11:30 a.m.	Gastroenterology – Liver / Gallbladder / Pancreas Jody A. Weckwerth, P.A.-C.
12:00 p.m.	Lunch – Leighton Auditorium ABG Breakout Session (Optional) Joy M. Allen, A.P.R.N., M.S., C.N.P.
1:00 p.m.	Gastroenterology – Esophagus / Stomach Kristyn A. Maixner, A.P.R.N., C.N.P.
1:30 p.m.	Gastroenterology - Small Bowel / Colon / Rectum Sawra A. Maurer, P.A.-C., Shayla A. Schoenoff, P.A.-C.

2:30 p.m.	Neurology Karen M. Townsend, P.A.-C.
3:45 p.m.	Break Leighton Auditorium Foyer
4:00 p.m.	Dermatology Review Chelsey M. Hoffmann, P.A.-C.
4:45 p.m.	Day Three Wrap-up Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.
5:00 p.m.	Adjourn

Friday, August 10, 2018	
7:00 a.m.	Breakfast Leighton Auditorium Foyer
7:30 a.m.	Review Key Board-related Summary Points Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.
8:00 a.m.	Urology Angela L. Larson, P.A.-C.
9:00 a.m.	Women's Health: Antepartum & Intrapartum Care – From Normal to Abnormal Julie A. Lamppa, A.P.R.N., C.N.M.
10:00 a.m.	Break Leighton Auditorium Foyer
10:15 a.m.	Hematology Darci L. Zblewski, A.P.R.N., C.N.P.
11:15 a.m.	Eye, Ear, Nose, and Throat John D. Muller, P.A.-C.
12:15 p.m.	Lunch-Leighton Auditorium
1:15 p.m.	Musculoskeletal Peter L. Bos, P.A.-C.
2:30 p.m.	Break Leighton Auditorium Foyer
2:45 p.m.	Women's Health Nicole M. Bush, A.P.R.N., C.N.P.
3:45 p.m.	Pediatrics Jody A. Weckwerth, P.A.-C.
4:45 p.m.	Closing Remarks Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.
5:00 p.m.	Course Adjourns