








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 Breakfast Leighton Auditorium Foyer
7:45 a.m.	Welcome and Introductions 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. Learning 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 Respiratory Inhalers Managing Asthma Inhaled Glucocorticoids Eric A. Aguirre, A.P.R.N., C.N.P.
10:00 a.m.	Refreshment Break Leighton Auditorium Foyer
10:15 a.m.	 Pulmonary Infections Daniel C. DeSimone., M.D. Learning 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. Learning Objectives: <ul style="list-style-type: none"> • Review: • Bacterial disease • Fungal disease

	<ul style="list-style-type: none"> • Mycobacterial disease <p>Review infectious syndromes:</p> <ul style="list-style-type: none"> • Acute/chronic osteomyelitis • Septic arthritis
12:00 p.m.	<p>Lunch Leighton Auditorium Foyer</p> <p>EKG Basics Sally E. Heusinkvelt, A.P.R.N., C.N.P.</p>
1:00 p.m. 	<p>Infectious Disease Part II Daniel C. DeSimone., M.D.</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 Diabetes Mellitus Michele M. Merten, A.P.R.N., C.N.P.</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.	<p>Refreshment Break Leighton Auditorium Foyer</p>
3:00 p.m. 	<p>Endocrinology–Disorders of the Adrenal Gland, Pituitary, Parathyroid, and Osteoporosis Justine S. Herndon, P.A.-C.</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 p.m. 	<p>Psychiatry Jill C. Rohling, P.A.-C.</p> <p>Learning Objectives:</p> <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.	Day One Adjourns
5:15-6:00 p.m.	Mayo Clinic Tour (Optional) Meet in the Leighton Auditorium Foyer
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 Cardiac Physical Exam Abdullah El Sabbagh, M.D.
9:45 a.m.	Refreshment Break Leighton Auditorium Foyer
10:00 a.m. 	Hypertension, Hypotension Jane F. Myers, A.P.R.N., C.N.P. Learning 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 Foyer Lab Medicine (Optional) Andrew J. Herber, P.A.-C.
1:00 p.m. 	Heart Failure Janell Grazzini Frantz, APRN, C.N.P., MSN Learning 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. 	<p>Cardiac/Vascular Pharmacology Bryce M. Kayhart, Pharm.D., R.Ph.</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.	<p>Refreshment Break Leighton Auditorium Foyer</p>
3:45 p.m. 	<p>Infectious Disease – Pharmacology-Antibiotics/Antifungals Bryce M. Kayhart, Pharm.D., R.Ph.</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.	<p>Day Two Wrap-up Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.</p>
5:00 p.m.	<p>Day 2 Adjourns</p>
Thursday, August 9, 2018	
7:00 a.m.	<p>Breakfast Marriott Ballroom, 2nd Floor, Rochester Marriott Hotel</p>
7:30 a.m.	<p>Review Key Board-related Summary Points Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.</p>
8:00 a.m.	<p>Nephrology – ARF, CKD Claudia M. Anderson, A.P.R.N., C.N.P., M.S.N.</p>
8:30 a.m.	<p>Acid/Base – ABG review Claudia M. Anderson, A.P.R.N., C.N.P., M.S.N.</p>
9:00 a.m. 	<p>Rheumatology Daniel E. Schaffer, P.A.-C.</p> <p>Learning Objectives and outline:</p> <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.	<p>Refreshment Break Marriott Ballroom, 2nd Floor, Rochester Marriott Hotel</p>

10:30 a.m. 	<p>Oncology Casey A. Fazer, P.A.-C.</p> <p>Learning Objectives:</p> <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.	<p>Gastroenterology – Liver / Gallbladder / Pancreas Jody A. Weckwerth, P.A.-C.</p>
12:00 p.m.	<p>Lunch Marriott Ballroom, 2nd Floor, Rochester Marriott Hotel</p> <p>Case Sheets Take Aways ABG Breakout Session (Optional) Joy M. Allen, A.P.R.N., M.S., C.N.P.</p>
1:00 p.m.	<p>Gastroenterology – Esophagus / Stomach Kristyn A. Maixner, A.P.R.N., C.N.P.</p>
1:30 p.m.	<p>Gastroenterology - Small Bowel / Colon / Rectum Infectious Diarrhea Nutritional Deficiencies Sawra A. Maurer, P.A.-C., Shayla A. Schoenoff, P.A.-C.</p>
2:30 p.m.	<p>Neurology Neurology Handout Karen M. Townsend, P.A.-C.</p>
3:45 p.m.	<p>Refreshment Break Marriott Ballroom, 2nd Floor, Rochester Marriott Hotel</p>
4:00 p.m.	<p>Dermatology Review Chelsey M. Hoffmann, P.A.-C.</p>
4:45 p.m.	<p>Day Three Wrap-up Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.</p>
5:00 p.m.	<p>Day 3 Adjourns</p>

Friday, August 10, 2018

7:00 a.m.	<p>Breakfast Marriott Ballroom, 2nd Floor, Rochester Marriott Hotel</p>
7:30 a.m.	<p>Review Key Board-related Summary Points Ryan A. Meverden, P.A.-C., Kelly J. Christensen, P.A.-C.</p>

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.	Refreshment Break Leighton Auditorium Foyer
10:15 a.m.	Hematology Inherited Coagulation Disorders 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 Foyer
1:15 p.m.	Musculoskeletal Peter L. Bos, P.A.-C.
2:30 p.m.	Refreshment Break Leighton Auditorium Foyer
2:45 p.m.	Women's Health Menstrual Cycle Nicole M. Bush, A.P.R.N., C.N.P.
3:45 p.m.	Pediatrics Immunizations 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