

Course Schedule: PHAR 6736 Cardiovascular Pharmacotherapy

Lectures will be held on: Mondays from 1:25 – 3:20
 Tuesdays from 9:05 – 11:00
 Thursdays from 10:10 – 12:05

All lectures will be held on ZOOM. A link to each day’s ZOOM meeting can be found in Canvas “Modules.” Navigate to the correct Week, then select “ZOOM Lecture Links.”

No Class on: Oct 12-16th (IPPE Week) and Nov. 26th (Thanksgiving)

<i>DATE</i>		<i>LECTURE TOPIC</i>	<i>IN CLASS ACTIVITIES & ASSIGNMENTS</i>	<i>LECTURER</i>
Sept. 28 (M)	1 2	Course Introduction Overview of CV Disease Spectrum	<u>Assignment</u> : Become a professional (unpaid) member of the American Heart Association website and be able to find their Stats Update.	Dr. Schullo-Feulner
Sept. 29 (Tu)	3 4	ASA for Primary Prevention Hypertension	<u>Required Reading (links to article/s on Canvas)</u> : 1. Whelton, Paul K., et al. 2017 ACC/AHA/ APhA/ASH Guideline for Prevention, Detection, Eval & Management of BP.” 2. James, Paul A., et al. 2014 evidence-based guidelines for the management of high blood pressure in adults (JNC 8). 3. Unger T, et al 2020 International Society of Hypertension Global HTN Practice Guidelines. 2020;75:1334-1357. <u>Recommended Reading</u> : 1. Arnett DK, et al. 2019 ACC/AHA Guideline on the Primary Prevention of CV Disease: A Report of the ACC/AHA Task Force. J Am Coll Cardiol. 2019;74:e177-e232. 2. Applied Pharmacotherapy (11 Ed): Ch 9 Essential Hypertension. p 132-161 3. Pharmacotherapy (11 Ed): Ch 30 HTN.	Dr. Van Hooser Dr. Straka
Oct. 1 (Th)	5 6	Hypertension Hypertension		Dr. Straka
Oct. 5 (M)	7 8	Hypertension Dyslipidemia	<u>Recommended Reading (links found on Canvas)</u> : 1. 2018 ACC/AHA Multisociety Guideline on the Management of Blood Cholesterol. J Am Coll Cardiol 2018;Nov 10 2. 2017 Update: ACC Role of Non-Statin Therapies for LDL Lowering in ASCVD Risk	Dr. Straka
Oct. 5 (M)	TA OFFICE HOUR EVENT 6 pm - 7:30 pm			

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Oct. 6 (Tu)	9 10	Dyslipidemia Dyslipidemia	<i>Quiz 1 (Hypertension & Dyslipidemia)</i> <i>opens 11:00 am on 10/6 & closes 5:00 pm on 10/7</i>	Dr. Straka Dr. Stewart
Oct. 8 (Th)	11 12	Hypertension & Dyslipidemia TBL Hypertension & Dyslipidemia TBL	<u>Zoom based Activity</u> : Students will review all HTN & HLD materials and come to class prepared to take an individual graded readiness pre-test (iRAT), a team grade readiness pre-test (tRAT), as well as participate in a case-based group exercise.	Dr. Straka Dr. Sean Stewart Dr. Van Hooser
Oct. 12 - 16 (M-Friday)		IPPE WEEK (no class)		
Oct. 19 (M)	13 14	Dyslipidemia Pre-Exam #1 Review	<u>Virtual Class Activity</u> : Group Assignment #1 patient cases will be reviewed in class. Groups will be called on to verbally review their answers.	Dr. Sean Stewart Dr. Straka
Oct. 20 (Tu)	15 16	Introduction to Ischemic Heart Disease <i>CV Exam #1</i> <i>(Covers class periods 3-13)</i>	<u>Exam Information</u> : Exam #1 will open at 10:10 am on 10/20 and close at 5 pm on 10/21.	Dr. Schullo-Feulner Dr. Straka
Oct. 22 (Th)	17 18	Chronic Stable Angina (CSA) Chronic Stable Angina (CSA)	<u>Recommended Reading (links found on Canvas)</u> : 2012 ACCF/AHA CSA Guideline	Dr. Schullo-Feulner
Oct. 26 (M)	19 20	Chronic Stable Angina (CSA)-Cases Acute Coronary Syndromes (ACS)	<u>Recommended Reading (links found on Canvas)</u> : 1. 2014 ACCF/AHA UA/NSTEMI Guideline 2. 2015 ACCF/AHA STEMI Guideline	Dr. Schullo-Feulner
Oct. 26 (M)	TA OFFICE HOUR EVENT 6 pm - 7:30 pm			
Oct. 27 (Tu)	21 22	Acute Coronary Syndromes (ACS) Acute Coronary Syndromes - Cases	<i>Quiz 2 (CSA and ACS)</i> <i>opens 11:00 am on 10/27 & closes 5:00 pm on 10/28</i>	Dr. Schullo-Feulner
Oct. 29 (Th)	23 24	Evidence Based Medicine TBL Evidence Based Medicine TBL	<u>Virtual Activity</u> : All students will read the assigned article before class and come to class prepared to take an individual readiness assessment (iRAT), a team readiness assessment (tRAT), as well as participate in a case-based group exercise.	Dr. Jay Wen Dr. Schullo-Feulner Dr. Van Hooser
Nov. 2 (M)	25 26	Antiplatelets and Anticoagulants Antiplatelets and Anticoagulants	<u>Recommended Reading (links found on Canvas)</u> : 2016 ACC/AHA DAPT Duration Update	Dr. Schullo-Feulner
Nov. 3 (Tu)	27 28	Chronic Angina & ACS TBL Chronic Angina & ACS TBL	<u>Virtual Activity</u> : Students will review all CSA & ACS materials and come to class prepared to take an individual graded readiness (iRAT), a team grade readiness (tRAT), as well as participate in a case-based group exercise.	Dr. Schullo-Feulner Dr. Van Hooser

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Nov. 5 (Th)	29 30	Post-Exam #1 Review Pre-Exam #2 Review	<u>Virtual Activity</u> : Group Assignment #2 patient cases will be reviewed in class. Groups will be called on to verbally review their answers.	Dr. Straka Dr. Schullo-Feulner
Nov. 9 (M)	31	Intro to Cardiac Arrhythmias and Rhythm Recognition	<u>Recommended Reading for all Cardiac Arrhythmia Class Periods</u> : 1. Applied Therapeutics (11 Ed): Ch 15: Cardiac Arrhythmias pages 306-332. 2. Pharmacotherapy (10 Ed): Ch 18: Arrhythmia	Dr. Chapman
	32	CV Exam #2 (Covers class periods 17-28)	<u>Exam Information</u> : Exam #2 will open at 2:30 pm on 11/9 and close at 5 pm on 11/10.	Dr. Schullo-Feulner
Nov. 10 (Tu)	33 34	Antiarrhythmics Use in Atrial Fibrillation	<u>Recommended Reading</u> : 1. 2014 AHA/ACC/HRS Guideline for the Management of Patients with Atrial Fibrillation. Circulation 2014. 2. 2019 AHA/ACC/HRS Focused Update of the 2014 AHA/ ACC/HRS Guideline for the Management of Patients With AFib 3. Chung Mina K, et al. Lifestyle and Risk Factor Modification for Reduction of Atrial Fibrillation: A Scientific Statement From the American Heart Association. Circulation. 2020;141:e750-e772.	Dr. Chapman
Nov. 12 (Th)	35 36	Stroke Prevention in Atrial Fibrillation Direct Oral Anticoagulants	<u>Recommended Reading</u> : Antithrombotic Therapy for Atrial Fibrillation CHEST Guideline and Expert Panel Report. CHEST 2018; 154(5):1121-1201. <u>Assignment</u> : Watch the presentation titled “Presentation: Introduction to Warfarin Dosing” prior to class on Monday, November 16th.	Dr. Derek Vo
Nov. 16 (M)	37 38	Warfarin Dosing and Monitoring Post Exam #2 Review	<u>Virtual Activity</u> : Use the “Warfarin Dosing Guideline” provided on Canvas to answer patient case based multiple choice questions. You need to have watched the presentation “Intro to Warfarin Dosing” before today’s lecture.	Dr. Schullo-Feulner
Nov. 16 (M)	TA OFFICE HOUR EVENT 6 pm - 7:30 pm			
Nov. 17 (Tu)	39	Atrial Fibrillation Case Reviews	<u>Virtual Activity</u> : In class review and discussion of pharmacotherapy approaches to managing patients with arrhythmias to reinforce concepts presented in class in a case based format. Quiz 3 (Atrial Fibrillation) opens 11:00 am on 11/17 & closes 5:00 pm on 11/18	Dr. Chapman
	40	Therapy of Chronic Ventricular Arrhythmias Prevention	<u>Recommended Reading</u> : 2017 AHA/ACC/HRS Guidelines for the Management of Ventricular Arrhythmias and Prevention of Sudden Death. JACC (2017) doi:10.1016/j.jacc.2017.10.054	Dr. Matt Lillyblad

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Nov. 19 (Th)	41	Introduction to Hemodynamics and Heart Failure	<u>Recommended Readings for all Heart Failure Class Periods:</u> 1. 2017 ACC/AHA/HFSA Focused Update of the 2013 ACCF/AHA Guideline for the Management of HF. <i>Circulation</i> . 2017 2. 2013 ACCF/AHA Guidelines for the Management of HF. <i>Circulation</i> 2013;128:e240-e327. 4. Applied Pharmacotherapy (11 Ed): Ch 14 Heart Failure p 261-305. 5. Pharmacotherapy (10 Ed): Chapter 14 HF	Dr. Orly Vardeny
	42	Pharmacotherapy of Heart Failure		
Nov. 23 (M)	43	Pharmacotherapy of Heart Failure		Dr. Orly Vardeny
	44	Pharmacotherapy of Heart Failure		
Nov. 24 (Tu)	45	Arrhythmia Case Reviews	<u>Virtual Activity:</u> In class review and discussion of pharmacotherapy approaches to managing patients to reinforce concepts presented in class in a case based format.	Dr. Chapman
	46	Heart Failure Case Reviews		
Nov. 26 (Th)		Thanksgiving (no classes)		
Nov. 30 (M)	47	Heart Failure TBL	<u>Virtual Activity:</u> Students will review all HF materials and come to class prepared to take an individual graded readiness pre-test (iRAT), a team grade readiness pre-test (tRAT), as well as participate in a case-based group exercise.	Dr. Chapman Dr. Van Hooser Dr. Orly Vardeny
	48	Heart Failure TBL		
Dec. 1 (Tu)	49	Informatics Considerations in Cardiovascular Care	<u>Virtual Activity:</u> Group Assignment #3 patient cases will be reviewed in class. Groups will be called on to verbally review their answers.	Dr. Nick Schutz Dr. Chapman
	50	Pre-exam #3 Review		
Dec. 3 (Th)	51	Venous Thromboembolism Prophylaxis	<u>Exam Information:</u> Exam #3 will open at 11:15 am on 12/3 and close at 5 pm on 12/4.	Dr. Van Hooser Dr. Chapman
	52	Exam #3 <i>(Covers class periods 31-49)</i>		
Dec 7 (M)	53	Pharmacogenomic Issues in CV	<u>Assignment:</u> Retrieve CPIC guidelines from the PharmGKB.org website. (specifics specified later) <u>VirtualActivity:</u> Review select literature supporting genetic basis for the role of drug metabolism, drug target and drug transporter based sources of variability in response.	Dr. Straka
	54	Pharmacogenomic Issues in CV		
Dec. 8 (Tu)	55	Oral Case Review		Dr. Straka Dr. Chapman Dr. Stewart Dr. Wen Dr. Van Hooser Dr. Schullo
	56	Oral Case Review		
Dec. 10 (Th)	57	Post-Exam #3 Review		Dr. Chapman All Available Faculty
	58	Pre-Final Exam Q&A Session		

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Dec. 14th through 18th		<i>FINAL EXAM</i> (<i>Final Exam will cover all class periods</i>)		Dr. Chapman Dr. Schullo Dr. Straka Dr. Wen