

# REVISED

## Keck School of Medicine University of Southern California

### YEAR II SCHEDULE OF INSTRUCTION

#### Cardiovascular System August 3 – September 4, 2009

LECTURE ROOM: McKibben 249

MULTIDISCIPLINARY LABS (MDL) McKibben 252, 253, 254, 257, 259 Bishop 204-A and 204-B

NOTE: Unless otherwise shown on this schedule, all lectures start on the hour and end 10 minutes to the hour.

#### SYSTEM CHAIR:

Enrique Ostrzega, M.D.  
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#### Evaluation

100% of student evaluation is based on Final Examination

#### Required Book List:

Lilly, Leonard S., Pathophysiology of Heart Disease, 4th Edition, Lippincott, Williams and Wilkins. 2007.

Dubin, Dale, Rapid Interpretation of EKG's, 6th Edition, Cover Publishing Co. 2000.

Kumar, Abbas, Fausto, and Mitchel, Robbins Basic Pathology, 8th Edition, 2007 Elsevier Saunders

[Medical Student Education Website: http://MedWeb.usc.edu](http://MedWeb.usc.edu)

*Please bring clickers to class. Some lecturers will be using ARS. It may not be identified in the schedule.*

*we denotes webcast. Not all faculty have responded, we will be updated.*

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## Cardiovascular Organ System (2009-2010)

## Week 1

### Cardiovascular Anatomy and Physiology, Normal Electrocardiogram

	8/3/2009 Monday	8/4/2009 Tuesday	8/5/2009 Wednesday	8/6/2009 Thursday	8/7/2009 Friday
8:00	Introduction Dr. Enrique Ostrzega	Lec. - Cardiac Excitability	Lec. -		Lec.- Introduction to EBM
8:30	Lec. - Cardiovascular Gross Anatomy Dr. Snow wc	Dr. Farley wc	Fundamentals of EKG		Dr. Samet wc
9:00		Lec. - EC Coupling			Lec. -
9:30	Lec. -	Dr. Farley wc	Dr. Chow wc	ICM Orientation (MCH 249)	Cardiovascular Control
10:00	Cardiac and Vascular Microanatomy	Lec. -	Lec. -		Dr. Meiselman wc
10:30	Dr. Ying wc	Events in the Cardiac Cycle Dr. Meiselman wc	Cardiac Mechanics		
11:00	MDL -	GA-Lab.			Lec. -
11:30	Cardiac and Vascular Microanatomy Lab Microanatomy Faculty	Gross Review of the Heart  Gross Anatomy Faculty	Dr. Meiselman wc		CV Control Case Discussion Dr. Marx wc
12:00					
1:00				Lec. - Q/A Session: Cardiac Mechanics Dr. Meiselman wc	Lec. - Normal EKG Workshop
2:00	PPM Welcome Back			Lec. -	
3:00				Properties of Microcirculation	Dr. Ostrzega wc
4:00				Dr. Meiselman wc	
5:00	<i>Study Cardiovascular Physical Principles Handout</i>	<i>Study EKG: Read Lilly Ch. 4 Use Dubin Ch. 1-4 as supplemental ICM Quiz: Cardio-Pulmonary Workshop OPENS 8/4 @ 12:00 PM</i>	<i>Study Systemic Arterial &amp; Venous Systems Handout</i>		<i>Study Skeletal Muscle and Coronary Circulations Handout</i>

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## Cardiovascular Organ System (2009-2010)

## Week 2

### Ischemic Heart Disease

	8/10/2009 Monday	8/11/2009 Tuesday	8/12/2009 Wednesday	8/13/2009 Thursday	8/14/2009 Friday
8:00			Lec. - Ischemic Heart Disease: Atherosclerosis Pathophysiology Dr. Clavijo wc	ICM	
8:30	Intro to IHD Dr. Ostrzega wc				Lec. - Hyperlipidemia Biochemistry Dr. Mosteller wc
9:00	Lec. -	Lec. -	Lec. - Peripheral Vascular Disease Dr. Clavijo wc		Lec. - Pharmacology of Lipid-Lowering Drugs Dr. Miller wc
9:30	Ischemic Heart Disease: Chronic Stable Angina Dr. Mehra wc	Pharmacology of Anti-anginal Drugs Dr. Berman wc	Lec. -		Lec. - Cardiovascular Risks Diagnosis and Treatment of Hyperlipidemia Dr. Gindi wc
10:00			EKG in Ischemic Heart Disease Dr. Ostrzega wc		
10:30	Lec. -	Lec. -			
11:00	Ischemic Heart Disease: Acute Coronary Syndrome Dr. Mehra wc	Thrombolytic Agents and Antiplatelet Rx for IHD Dr. Miller wc			
11:30					
12:00					
1:00				Lec. - SPP Case: Ischemic Heart Disease Dr. Ostrzega wc	EBM Workshop <b>(Ahn - Espinosa)</b> 40 Students
2:00	PPM Gang Cultures of East LA	ICM Cardiovascular & Pulmonary Examination Workshop Groups 1-28	Lec. - Placement Exam for Medical Spanish Elective	Lec. -	EBM Workshop <b>(Fecht - Leatherwood)</b> 41 Students
3:00				EKG in Ischemic Heart Disease Workshop Dr. Ostrzega wc	
4:00					
5:00		<i>Self Study: Imaging of Cardiac Ischemia (prepared by Dr. Marx) ICM Quiz: Cardio-Pulmonary Workshop CLOSSES 8/11 @ 12:30 PM</i>	<i>Blackboard Quiz 1: Ischemic Heart Disease (Self-Study); Review prior to SPP Case: IHD</i>		

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EBM Workshops will take place in the Norris Medical Library Classroom and Computer Lab

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## Cardiovascular Organ System (2009-2010)

## Week 3

### Congestive Heart Failure, Hypertension

	8/17/2009 Monday	8/18/2009 Tuesday	8/19/2009 Wednesday	8/20/2009 Thursday	8/21/2009 Friday
8:00		Lec. - Cardiac Imaging	Lec. - EKG in Cardiac Hypertrophy	ICM	Lec. - Hypertension Overview
8:30	Introduction to CHF Dr. Ostrzega wc	Dr. Shriki wc	Dr. Ostrzega wc		Dr. Abbott wc
9:00	Lec. - Pathophysiology of CHF	Diseases of the Myocardium & Pericardium	Pharmacology for CHF II & III		Lec. - SPP Case: Hypertension
9:30	Dr. Elkayam wc				Dr. Abbott wc
10:00	Lec. - Diagnosis and Treatment of CHF				Lec. -
10:30	Dr. Elkayam wc	Dr. Taylor wc	Dr. Berman wc	Pharmacology of Anti-Hypertensive Drugs	
11:00	Lec. - Pharmacology CHF I	MDL - Diseases of the Myocardium & Pericardium	Lec. - SPP Case: CHF		
11:30	Dr. Berman wc	Pathology Faculty	Dr. Ostrzega wc		Dr. Berman wc
12:00					
1:00	PPM Health and Human Rights	ICM Cardiovascular and Pulmonary Practice OSCE		Lec. -	EBM Workshop <b>(Lee - Penman)</b> 41 Students
2:00				Diseases of Blood Vessels I & II	EBM Workshop <b>(Perrin - Yasmeh)</b> 41 Students
3:00			<i>Medical Spanish Elective III</i> <i>Repaso: El historial médico</i>  Dr. Zarazúa	Groups 1-28 (Optional)	<i>Medical Spanish Elective II</i> <i>Introducciones y</i> <i>la queja principal</i> Dr. Zarazúa
4:00	<i>Medical Spanish Elective I</i> <i>Saludos</i>  Dr. Zarazúa		MDL -		
5:00				Diseases of Blood Vessels I & II	
				Pathology Faculty	

**5:00 PM moved to:  
MAYER AUDITORIUM**  
**Congressman Adam Schiff:  
Health Care Reform**  
*Sponsored by Dean Puliafito and the  
Dean's Council on Health Reform*

*Blackboard Quiz 2: CHF (Self-Study);  
Review prior to SPP Case: CHF*

*Read Lilly Ch. 13 Hypertension  
prior to lectures on Friday*

*Blackboard Quiz 3: Hypertension  
(Self-Study); Review prior to  
SPP Case: Hypertension*

**wc=webcast; Medical Spanish Schedule will be updated**

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## Cardiovascular Organ System (2009-2010)

## Week 4

### Valvular Heart Disease, Arrhythmias

	8/24/2009 Monday	8/25/2009 Tuesday	8/26/2009 Wednesday	8/27/2009 Thursday	8/28/2009 Friday
8:00		Lec.- Preventive Medicine	Lec. -	ICM	Lec. - Overview - Surgery for Cardiovascular Disease Dr. Baker wc
8:30	Intro to Valvular Heart Disease Dr. Ostrzega wc	Dr. Samet wc	Heart Sounds and Murmurs		Lec. - EKG Bradyarrhythmias/Blocks Dr. Shinbane wc
9:00	Lec. -	Lec. -	Dr. Ben-Ari wc		Lec. - EKG Tachyarrhythmias (SVT-VT) Dr. Shinbane wc
9:30	Diseases of Endocardium and Cardiac Valves	Diagnosis and Treatment of Valvular Heart Disease	Lec. - Overview of Cardiac Devices (Pacemaker, AICD) Dr. Cesario wc		Lec. - SPP Case: Palpitations Dr. Abbott wc
10:00	Dr. Taylor wc	Dr. Ostrzega wc	Lec. -		
10:30			SPP Cases: Valvular HD and Endocarditis Dr. Abbott wc		
11:00	MDL -	Lec. -			
11:30	Diseases of Endocardium and Cardiac Valves Pathology Faculty	Endocarditis Dr. Holtom wc			
12:00					
1:00		ICM Cardiovascular and Pulmonary Practice OSCE  Groups 1-28 (Optional)	Lec. -	Lec. -	
2:00			Anti-Arrhythmic Pharmacology I & II  Dr. Berman wc	Anti-Arrhythmic Pharmacology III & IV  Dr. Berman wc	
3:00	<i>Medical Spanish Elective III Repaso: El historial médico  Dr. Zarazúa</i>		<i>Medical Spanish Elective II Historial de la enfermedad actual Dr. Zarazúa</i>	Lec. -	Development of the Heart  Dr. Sucov wc
4:00	<i>Medical Spanish Elective I ¿Cómo se llama?  Dr. Zarazúa</i>				
5:00	<i>Study Criley Heart Sounds CD Blackboard Quiz 4: Valvular Heart Disease (Self-Study); Review prior to SPP Case: Valvular HD and Endocarditis</i>		<i>Blackboard Quiz 5: Palpitations (Self-Study); Review prior to SPP Case: Palpitations</i>		

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## Cardiovascular Organ System (2009-2010)

## Week 5

### Congenital HD, Review and Exam

	8/31/2009 Monday	9/1/2009 Tuesday	9/2/2009 Wednesday	9/3/2009 Thursday	9/4/2009 Friday
8:00					CV Exam  Exam Schedule to be Announced
8:30		Lec. - <i>Review: Cardiovascular Physiology</i> <i>Dr. Meiselman wc</i>			
9:00	Lec. - Overview of Congenital HD				
9:30	Dr. Silka wc	Lec. - <i>Review: Cardiac Pharmacology</i> <i>Drs. Berman &amp; Miller</i>			
10:00	MDL -				
10:30	Congenital HD Case Discussions	Lec. - <i>Review: Pathology of heart and blood vessels</i>			Exam Schedule to be Announced
11:00					
11:30	Dr. Silka and Faculty	<i>Dr. Tsoulas wc</i>			
12:00					
1:00					
2:00					Exam Schedule to be Announced
3:00					
4:00					
5:00					

*ICM Quiz-A: Female/Male  
Genitalia & Breast Exam Workshop  
OPENS 9/1 @ 12:00 PM*

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