

PATHOPHYSIOLOGY II
Cardiovascular Disease
2008-2009

| <u>DAY</u> | <u>DATE</u> | <u>TIME</u> | <u>ROOM</u> | <u>TOPIC</u> | <u>FACULTY</u> |
|------------|-------------|--|--|--|--|
| Mon. | 1/5/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 PH17-Gross Lab | Introduction to the Cardiac Cycle Pulmonary Vascular Changes in Heart Disease Path Lab: Normal Heart & Selected Diseases | Dr. Drusin Dr. Waksmonski Path Faculty |
| Tues. | 1/6/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Pharmacology: Rx of Cardiac Arrhythmias Pharmacology: Rx of Cardiac Arrhythmias Pharmacology Conference: Basic EKG & Arrhythmias | Dr. Wit Dr. Wit Pharm.Faculty |
| Weds. | 1/7/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | CPC: Valvular Heart Disease CPC: Valvular Heart Disease Case 1 | Drs. Schwartz & Marboe Preceptors |
| Thurs. | 1/8/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 PH17-Gross Lab | Pathophysiology of Heart Failure I Pharmacology: Rx of Cardiac Arrhythmias Path Lab: Heart Valves | Dr. Maurer Dr. Wit Path. Faculty |
| Fri. | 1/9/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Pathophysiology of Heart Failure II Pharmacology: Rx of Cardiac Arrhythmias Case 2 | Dr. Maurer Dr. Wit Preceptors |
| Mon. | 1/12/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Pharmacology: Vasodilators I Pharmacology: Vasodilators II Case 3 (TBL case) | Dr. Boyden Dr. Boyden Preceptors |
| Tues. | 1/13/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | CPC: Myocardial Diseases CPC: Myocardial Diseases Pharmacology Conference: Rx of Arrhythmia | Drs. Maurer & Marboe Pharm. Faculty |
| Weds. | 1/14/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Lipid Metabolism Atherosclerosis Case 4 | Dr. Ginsberg Dr. Tabas Preceptors |
| Thurs. | 1/15/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Pharmacology: Treatment of CHF Coronary Circulation Case 5 | Dr. Wit Dr. Rabbani Preceptors |
| Fri. | 1/16/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 PH17-Micro Lab | Acute Coronary Syndromes Pharmacology: Drug Rx of angina Path Lab: Myocardial Infarction, Myocarditis & Amyloidosis | Dr. Rabbani Dr. Wit Path. Faculty |
| Mon. | 1/19/09 | HOLIDAY | | | |
| Tues. | 1/20/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Pharmacology: Antihyperlipidemic drugs Pericardial disease, Tumors, Vasculitis Case 6 | Dr. Blum Drs. Schwartz & Marboe Preceptors |
| Weds. | 1/21/09 | 9:00 - 9:50 10:00-10:50 11:00-11:30 11:45-12:50 | HHSC 401 HHSC 401 HHSC 401 PH17 Gross Lab | Left-to-right shunts Right-to-left shunts Film – Genetics Path Lab: Congenital Heart Disease | Dr. Williams Dr. Williams Dr. Marboe Path Faculty |
| Thurs. | 1/22/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 HHSC 401 Preceptor Rms. | Pharm: Anticoagulants Pharm: Thrombolytic & Antiplatelet Drugs Case 7 | Dr. Colecraft Dr. Colecraft Preceptors |

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| Fri. | 1/23/09 | 9:00 - 9:50 10:00-10:50 11:00-12:50 | HHSC 401 <i>HHSC 401</i> HHSC 401 | Prevention of Sudden Cardiac Death <i>Pharmacology: Gene-targeted therapies</i> Pathology Image Review | Dr. Garan <i>Dr. Kass</i> Dr. Lefkowitz |
| MON. | 1/26/09 | 9:00-11:50 | HHSC 401 | CARDIAC PHARMACOLOGY EXAM | |
| TUES. | 1/27/09 | 9:00-11:50 | HSCH 401 | CARDIAC PATHOPHYSIOLOGY EXAM | |

PRECEPTOR INFORMATION:

| GROUP | ROOM | PRECEPTOR | TEL. NO. | LOCAL ADDRESS | E-MAIL ADDRESS |
|--------------|-------------|----------------------|-----------------|----------------------|--|
| Group I | HHSC-304 | Dr. David Rubin | (914) 428-3888 | -- | dar24@columbia.edu |
| Group II | HHSC-306 | Dr. Leroy Rabbani | x 5-1581 | Irving Pav. 5-551 | ler8@columbia.edu |
| Group III | HHSC-308 | Dr. Joseph Tenenbaum | x 5-5288 | Irving Pav.5-520 | jt7@columbia.edu |
| Group IV | HHSC-310 | Dr. James Reiffel | x 5-5206 | Irving Pav. 3-349 | jar2@columbia.edu |
| | | Dr. David Sherman | x 5-0781 | -- | ds57@columbia.edu |
| Group V | HHSC-316 | Dr. Eileen Rattigan | | -- | er2176@columbia.edu |
| Group VI | HHSC-320 | Dr. Carol Waksmonski | x 5-4423 | PH 9-968 | cw2108@columbia.edu |

READINGS:

Required Pathology Textbook is Robbins Basic Pathology, 8th Edition
Chapter 11, the Heart
Chapter 10, The Blood Vessels

REQUIRED TEXT IS LILLY'S PATHOPHYSIOLOGY OF HEART DISEASE – 4TH EDITION

| <u>Date</u> | <u>Topic</u> | <u>Required</u> | <u>Optional</u> |
|-------------|---|------------------------------------|---|
| 1/5/09 | Introduction to the Cardiac Cycle | Lilly Chapter 2 | WR1 |
| 1/5/09 | Pulmonary Vascular Changes in Heart Disease | Lilly Chapter 3 (P46-50), (P60-65) | WR2 |
| 1/7/09 | CPC Valvular Heart Disease | Lilly Chapter 8 | WR3, WR4, WR5, WR6 WR7, WR8, WR9, WR11 |
| 1/8/09 | Pathophysiology of Heart Failure I | Lilly Chapter 9 | WR10 |
| 1/9/09 | Pathophysiology of Heart Failure II | Lilly Chapter 9 | WR10 |
| 1/13/09 | CPC Myocardial Diseases | Lilly Chapter 10 | WR12, WR13, WR14, WR15 |
| 1/14/09 | Lipid Metabolism Atherosclerosis | Lilly Chapter 5 Lilly Chapter 5 | |
| 1/15/09 | Coronary Circulation | Lilly Chapter 1 (p8-10) | |

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| 1/16/09 Acute Coronary Syndromes | Lilly Chapter 6 Lilly Chapter 7 | |
| 1/21/09 Left-to-right shunts | Lilly Chapter 16 | WR16, WR17 |
| 1/21/09 Right-to-left shunts | Lilly Chapter 16 | WR18, WR19 |
| 1/22/09 Pericardial Disease, Tumors, Vasculitis | Lilly Chapter 14 Lilly Chapter 15 (p 360-363) | WR20 |
| 1/23/09 Prevention of Sudden Cardiac Death | | WR21, WR22 |

AVAILABLE ON COURSEWORKS

- WR1 *NEJM* Heart Sounds
 - WR2 *NEJM* Acute Pulmonary Edema
 - WR3 *NEJM* Mitral Stenosis
 - WR4 *NEJM* Prevalence of Rheumatic Heart Disease Detected by Echocardiographic Screening
 - WR5 *NEJM* Rheumatic Heart Disease in Developing Countries
 - WR6 *JACC* Insights into Degenerative Aortic Valve Disease
 - WR7 *NEJM* Rheumatic Mitral Stenosis
 - WR8 *NEJM* Clinical Problem Solving
 - WR9 *Circulation* Current Evaluation and Management of Mitral Stenosis
 - WR10 *NEJM* Heart Failure
 - WR11 *Circulation* Spectrum of Calcific Aortic Valve Disease. Pathogenesis, Disease Progression, and Treatment Strategies
 - WR12 *Circulation* Myocarditis: Current Trends in Diagnosis and Treatment
 - WR13 *NEJM* Hypertrophic Obstructive Cardiomyopathy
 - WR14 *NEJM* Restrictive Cardiomyopathies
 - WR15 *Circulation* A Contemporary Approach to Hypertrophic Cardiomyopathy
 - WR16 *Circulation* Atrial Septal Defects in the Adult: Recent Progress and Overview
 - WR17 *Circulation* Ventricular Septal Defects
 - WR18 *NEJM* Congenital Heart Disease in the Adult – Part 1
 - WR19 *NEJM* Congenital Heart Disease in the Adult – Part 2
 - WR20 *Circulation* Pericardial Diseases
 - WR21 *Circulation* Sudden Cardiac Death: Better Understanding of Risks, Mechanisms, and Treatment
 - WR22 *Circulation* How Sudden is Sudden Cardiac Death?
- Other:
- WR23 *Circulation* Metabolic Mechanisms in Heart Failure
 - WR24 *NEJM* Biomarkers in Heart Failure

ADDITIONAL RESOURCES:

- Cardiac Physical Exam: Harvey – The Cardiopulmonary Patient Simulator (Library)
- EKG: Goldberger AL. Clinical Electrocardiography: A Simplified Approach. Mosby. 6th Edition
- Web site: <http://ecg.bidmc.harvard.edu/maven> (a great Website where you can look at known EKGs or read unknowns and get feedback)
- Also visit this CUMC College of Physicians and Surgeons page https://www1.columbia.edu/sec/itc/hs/medical/peds_cardiology/