

No.	Topic: Cardiology	Lecturer	Lecture Objectives
1	Arrhythmias	Prof. Ahmed Hersi (All group)	By the end of the lecture the student should be able to: <ol style="list-style-type: none"> 1. To provide the students the updated and most related topics to heart rhythms and atrial fibrillation 2. To provide intensive information regarding cardiac arrhythmia and atrial fibrillation. 3. Will enable the students to acquire knowledge as how to manage arrhythmia.
2	Acute Coronary Syndrome	Dr. Ayman AlSaleh (Female & Male B) Dr. Khalid Aljohani (Male A)	By the end of the lecture the student should be able to: <ol style="list-style-type: none"> 1. Distinguish STE and NSTEMI acute coronary syndromes by diagnosis, prognosis and treatment strategy. 2. Understand how ACS differs pathophysiologically from chronic coronary syndromes. 3. Devise a diagnostic approach for establishing ACS. 4. Outline treatment strategies for ACS 5. Assess the short- and long-term prognosis of different types of ACS 6. Devise a pharmacotherapy treatment plan for a patient undergoing primary PCI for STEMI. 7. Devise a pharmacotherapy treatment plan for a patient undergoing fibrinolytic for STEMI. 8. Devise a pharmacotherapy treatment plan for a patient with NSTEMI-ACS. 9. Design a therapeutic regimen for a patient with ACS prior to discharge from hospital. 10. Discover online, electronic and app resources to assist clinicians with implementation of practice guidelines.

3	Valvular Heart Diseases	<p>Dr. Nouf Alanazi (Female group)</p> <p>Dr. Fayez El Shaer (Male A/B)</p>	<p>By the end of the lecture the student should be able to:</p> <ol style="list-style-type: none"> 1. Describe the etiology, pathology, and natural history of valvular heart disease. 2. Describe the clinical symptoms and signs of valvular heart disease. 3. Explain the clinical examination findings of particular valvular problems. 4. Determine the role of echocardiograms in valvular heart disease, both in diagnosis and prognosis. 5. Discuss the long-term systemic consequences of valvular heart disease. 6. Describe the management and identify the indications of surgical intervention for particular valvular heart diseases.
4	Heart Failure	<p>Dr. Hanan Albackr (Female group)</p> <p>Dr. Khalid Alhabib (Male A/B)</p>	<p>By the end of the lecture the student should be able to:</p> <ol style="list-style-type: none"> 1. Know different classifications of heart failure. 2. Know the causes and precipitation factors for heart failure decompensation. 3. Describe the Pathophysiology, therapies that improve survival, and prognosis.
5	Rheumatic Heart Disease	<p>Dr. Abdullelah Mobeirek (Female group)</p> <p>Dr. Ayman AlSaleh (Male A)</p> <p>Dr. Rashed Alfagih (Male B)</p>	<p>By the end of the lecture the student should be able to:</p> <ol style="list-style-type: none"> 1. Know that RHD is prevalent in our region, and economic burden. 2. Know how to diagnose the disease and how to approach a patient with RHD. 3. Know the principles of management. 4. Know how to prevent RHD; Who needs prophylaxis and for how long 5. Recognize complications and how to manage it.

6	Heart Failure Prognosis & Management	<p>Dr. Hanan Albackr (Female /Male A group)</p> <p>Dr. Rashed Alfagih (Male B)</p>	<p>By the end of the lecture the student should be able to:</p> <ol style="list-style-type: none"> 1. Diagnostic tests of HF 2. Different treatment of HF 3. Side effects of medication of HF 4. Management of cardiac risk factors for HF 5. Role of devices and life style in HF treatment
7	Infective Endocarditis	<p>Dr. Nouf Alanazi (Female group)</p> <p>Dr. Khalid Aljohani (Male A)</p> <p>Dr. Mostafa Alshimiri (Male B)</p>	<p>By the end of the lecture the student should be able to:</p> <ol style="list-style-type: none"> 1. Understand the Endocarditis definition 2. Patho-physiology of endocarditis 3. Presentation of patients with endocarditis 4. Treatment of endocarditis 5. Prevention of endocarditis