

ICC-R1

MULTI-MODALITY CARDIAC IMAGING

HOW *Art* HEALS THE *Heart*



مركز صحة القلب
Heart Health Center



مدينة الملك سعود الطبية
KING SAUD MEDICAL CITY



تجمع الرياض الصحي الأول
Riyadh First Health Cluster
Empowered by Health Holding co.

CT WORKSHOP

Objective: To enhance participants' understanding and practical skills in cardiac computed tomography (CT), focusing on image acquisition, interpretation, and clinical application in the diagnosis and management of cardiovascular diseases.

Room 1

11th SEPTEMBER 2025
Thursday | 8:00AM to 12:00PM



Prof. Mouaz Al Mallah



Dr. Faisal Hamad

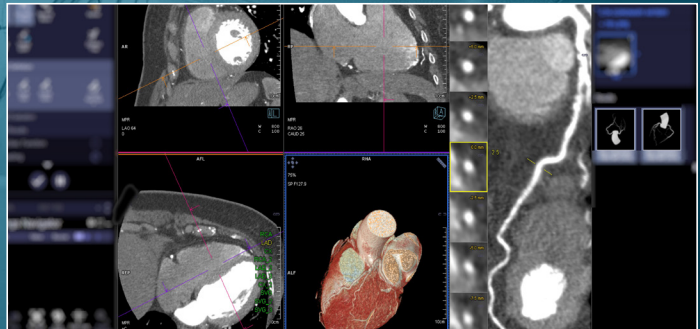


Dr. Ahmed Al Saileek



Dr. Valeria Pergola

Time	Topic	Speaker
08:00 - 08:25	Introduction to CT and image acquisition	Prof. Mouaz Al Mallah
08:25 - 08:50	Coronary CT including CAC score	Dr. Faisal Hamad
08:50 - 09:15	FFRCT	Prof. Mouaz Al Mallah
09:15 - 09:40	TAVR	Dr. Ahmed Al Saileek
09:40 - 10:05	TMVR / TTVR and afib imaging	Dr. Valeria Pergola
10:05 - 10:20	Coffee Break	
10:20 - 12:00	Demo Cases	



Seats: 20

Venue
King Abdulaziz Center for
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MRI WORKSHOP

Objective: To provide participants with comprehensive knowledge and hands-on experience in cardiac magnetic resonance imaging, focusing on imaging protocols, tissue characterization, functional assessment, and the clinical application of CMR in diagnosing and managing cardiovascular diseases.

Room 1

11th SEPTEMBER 2025

Thursday | 2:00PM to 5:30PM



Dr. John
Carpenter



Dr. Safaa
Eltayeb



Dr. Talal
Alotaibi



Time	Topic	Speaker
14:00 - 14:30	Basics of cardiac MRI & Reporting	Dr. John Carpenter
14:30 - 15:30	Case review	Dr. Talal Alotaibi
15:30 - 16:00	Stress Perfusion	Dr. John Carpenter
16:00 - 17:30	Case review	Dr. Safaa Eltayeb



Seats: 20

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SPECT WORKSHOP

Objective: To equip participants with foundational and practical knowledge of cardiac SPECT imaging, including principles of nuclear cardiology, image acquisition and processing, interpretation of myocardial perfusion studies, and the clinical role of SPECT in the diagnosis and risk stratification of coronary artery disease.

Room 2

11th SEPTEMBER 2025
Thursday | 8:00AM to 12:00PM



Prof. Richard Underwood



Dr. Ahmed Aljizeeri

Time	Basic principles of MPS SPECT	Speaker
08:00 - 08:35	Introduction	Prof. Richard Underwood
08:35 - 08:55	Radiopharmaceuticals	Dr. Ahmed Aljizeeri
08:55 - 09:20	Cardiovascular stress	Prof. Richard Underwood
09:20 - 09:45	MPS interpretation	
09:45 - 10:00	MPS display	
10:00 - 10:15	MPS artifact	Dr. Ahmed Aljizeeri
10:15 - 10:30	Coffee Break	
Time	Clinical Cases	Speaker
10:30 - 11:15	Case Presentations	Dr. Ahmed Aljizeeri
11:15 - 12:00	Case Presentations	Prof. Richard Underwood



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PET WORKSHOP

Objective: To provide participants with in-depth knowledge and practical skills in cardiac PET imaging, focusing on myocardial perfusion, viability assessment, inflammation, and metabolic imaging, as well as its clinical applications in the diagnosis, risk stratification, and management of cardiovascular disease.

Room 2

11th SEPTEMBER 2025
Thursday | 2:00PM to 5:00PM

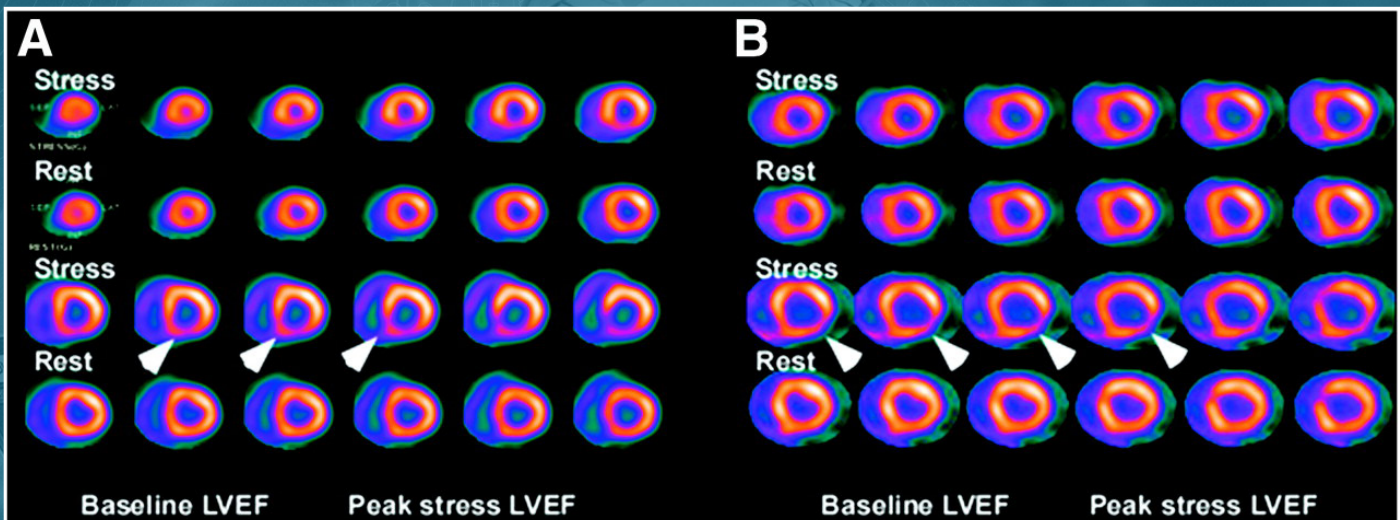


Prof. Mouaz Al Mallah



Prof. Richard Underwood

Time	Topic	Speaker
14:00 – 15:00	<ul style="list-style-type: none">Myocardial blood flow quantificationFDG for inflammation (sarcoid, infection)	Prof. Mouaz Al Mallah
15:00 – 16:00	Fundamental / Trouble shooting artifact	Prof. Richard Underwood
16:00 – 17:00	Hands on	



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TEE FUNDAMENTALS WORKSHOP

Objective: Understand the basic principles and physics of echocardiography. Identify the indications and contraindications for TEE. Learn standard TEE views and probe manipulation techniques. Interpret normal and abnormal findings in TEE imaging. Apply TEE in preoperative and critical care settings. Gain hands-on experience with TEE simulators or live scanning.

Room 3

11th SEPTEMBER 2025
Thursday | 8:00AM to 12:00PM



Dr. Mojtaba Elsyed

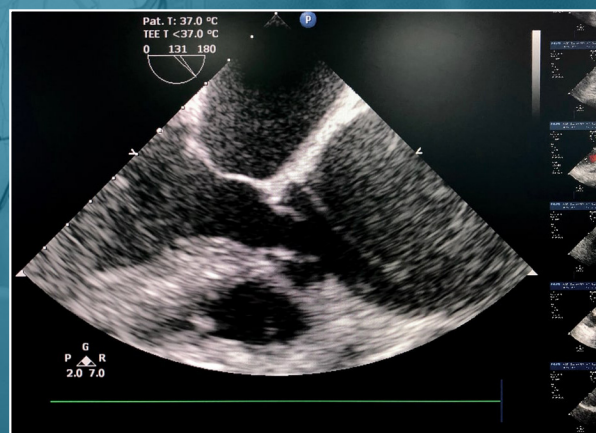
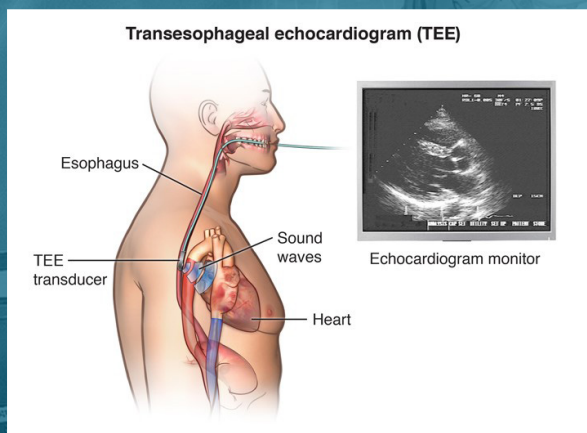


Dr. Samah Abo Hamar



Dr. Hafiz Al Tigani

Time	Topic	Speaker
08:00 - 08:30	Principle and instrumentation	Dr. Mojtaba Elsyed
08:30 - 09:30	Anatomy and views	Dr. Samah Abo Hamar
09:30 - 10:30	Clinical application	Dr. Hafiz Al Tigani
10:30 - 12:00	Hands on	



Seats: 20

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MITRAL TEER & TRICUSPID TEER WORKSHOP

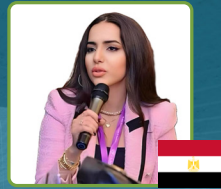
Objective: To provide participants with comprehensive knowledge and hands-on experience in ECHO evaluation of Mitral and Tricuspid Transcatheter Edge-to-Edge Repair (TEER), including patient selection, procedural planning, intraprocedural imaging guidance, and post-procedural management, with an emphasis on optimizing outcomes in structural heart disease interventions.

Room 3

11th SEPTEMBER 2025
Thursday | 2:00PM to 5:00PM

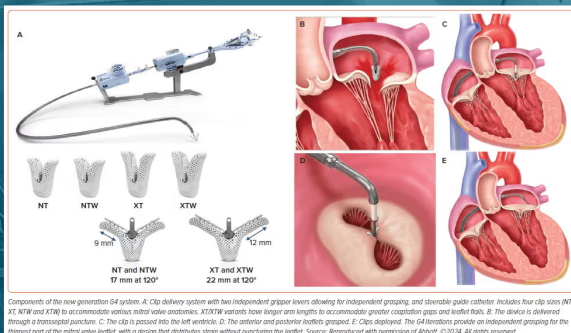


Prof. Eustachio
Agricola



Dr. Soha
Hekal

Time	Mitral TEER	Speaker
14:00 - 14:15	Basic Principal	Prof. Eustachio Agricola
14:15 - 14:30	Tips and Tricks	Dr. Soha Hekal
14:30 - 15:30	Practical session	
15:30 - 15:40	Coffee Break	
Time	Tricuspid TEER	Speaker
15:40 - 15:55	Basic Principal	Prof. Eustachio Agricola
15:55 - 16:10	Tips and tricks	Dr. Soha Hekal
16:00 - 17:00	Practical session	



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STRAIN WORKSHOP

Objective: To provide participants with a thorough understanding of speckle-tracking echocardiography and strain imaging techniques, focusing on image acquisition, analysis, and interpretation of myocardial deformation, with practical applications in the early detection of cardiac dysfunction and disease monitoring

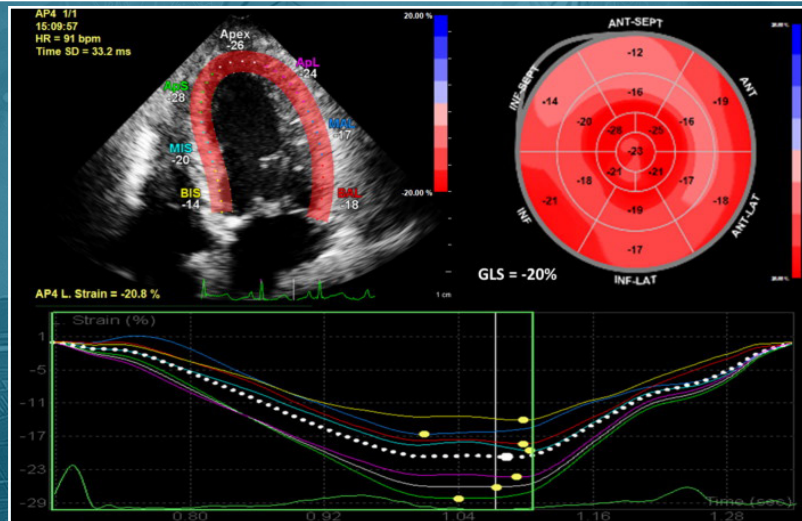
Room 4

11th SEPTEMBER 2025
Thursday | 8:00AM to 12:00PM



Dr. Fayez Al
Zubair

Time	Topic	Speaker
08:00 - 08:30	Fundamental of strain and strain rate	Dr. Fayez Al Zubair
08:30 - 09:00	Clinical Application	
09:00 - 09:30	Trouble shooting Tips and tricks	
09:30 - 10:00	AI application	
10:00 - 12:00	Practical session	



Seats: 20

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Role of Echo and POCUS in Emergency Room and Critical Care Units

Objective: To train ER and ICU clinicians, fellows, resident and health care professional in the use of focused cardiac ultrasound (FoCUS) for rapid bedside assessment of cardiac function, volume status, and life-threatening conditions, enabling timely clinical decision-making in critically ill and unstable patients.

Room 4

11th SEPTEMBER 2025
Thursday | 2:00PM to 5:00PM



Dr. Aamir Shazad



Dr. Abdulrahman Aljamiel



Dr. Muhammad Azam Shah



Ms. Bashayer Almotairi

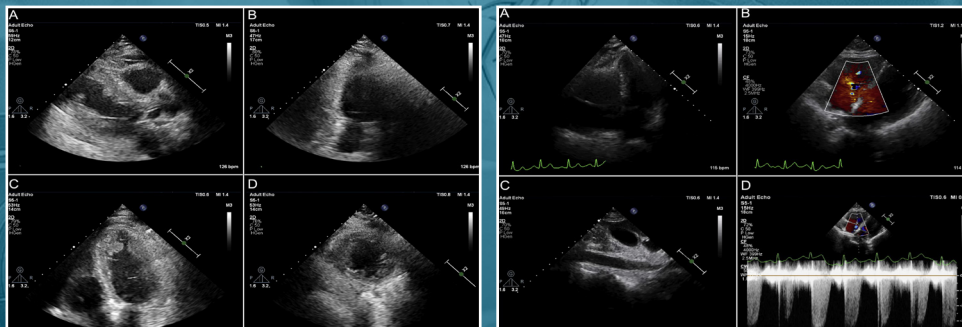


Mr. Mohammed Ageeli



Ms. Shouq Bin Duham

Time	Topic	Speaker
14:00 - 14:30	Basics of Echocardiography – Views and Knobology	Dr. Muhammad Azam Shah
14:30 - 15:00	Echo Assessment of Cardiac Tamponade	Dr. Abdulrahman Aljamiel
15:00 - 15:30	Echo Assessment of Aortic Dissection	Dr. Aamir Shazad
15:30 - 16:00	Echo Assessment of Pulmonary Embolism	Dr. Muhammad Azam Shah
16:00 - 16:30	Complications of Myocardial Infarction	Dr. Abdulrahman Aljamiel
16:30 - 17:00	Role of Echo and POCUS in ER and Critically Ill Patients in ICU	



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ICE (JOHNSON & JOHNSON) WORKSHOP

Objective: To equip participants with comprehensive knowledge and practical skills in intracardiac echocardiography (ICE), including catheter manipulation, image acquisition, and interpretation, to enhance procedural guidance and safety in structural heart interventions and electrophysiology procedures.

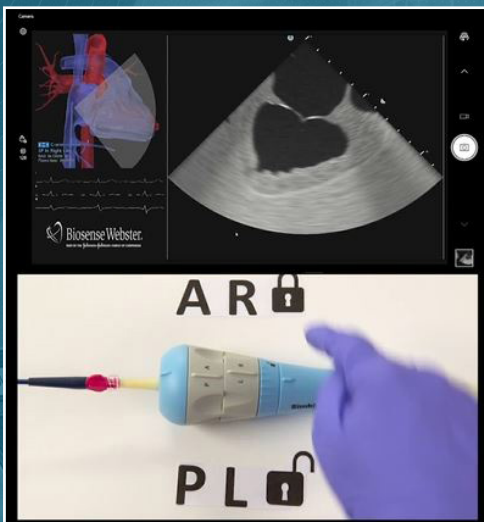
Room 5

11th SEPTEMBER 2025
Thursday | 2:00PM to 5:00PM



Dr. Ahmed Eid

Time	Topic	Speaker
14:00 - 15:00	Introduction and practical sessions in ICE	Dr. Ahmed Eid
15:00 - 15:15	Coffee Break	
15:15 - 17:00	Practical Session	



Seats: 20

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3D ECHO WORKSHOP

Objective: To introduce participants to advanced 3D imaging techniques, including image reconstruction, segmentation, and visualization, with a focus on enhancing anatomical understanding and improving clinical decision-making in cardiovascular care

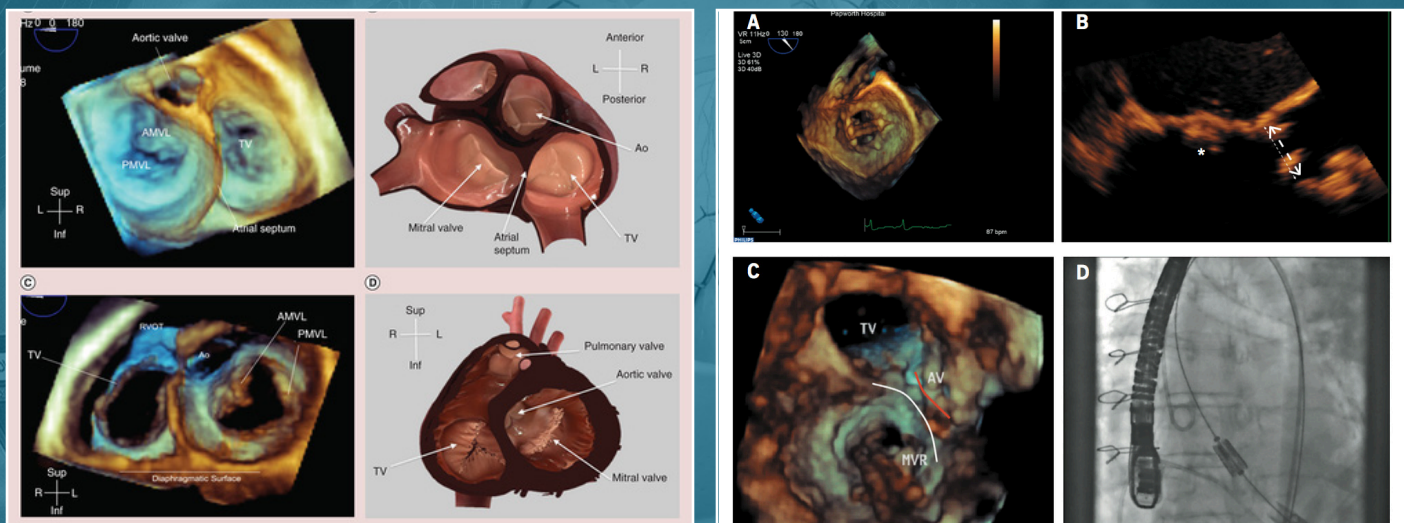
Room 5

11th SEPTEMBER 2025
Thursday | 8:00AM to 12:00PM



Dr. Hani Mahmood

Time	Topic	Speaker
08:00 - 09:00	60 minutes: Live demonstration (3D acquisition and display) Philips Epic CVx	Dr. Hani Mahmood
09:30 - 11:00	90 minutes: Hands-on (3D acquisition and display) Philips Epic CVx	
11:00 - 12:00	60 minutes: Hands-on (Offline 3D Echo analysis, chamber and valvular quantification)	



Seats: 20

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FETAL ECHOCARDIOGRAPHY WORKSHOP

Room 2

12th SEPTEMBER 2025

Friday | 1:30PM to 4:30PM



Dr. Hashim
Alqurashy

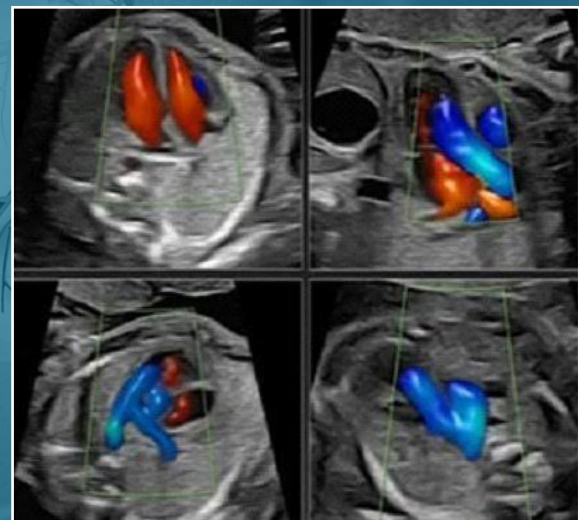
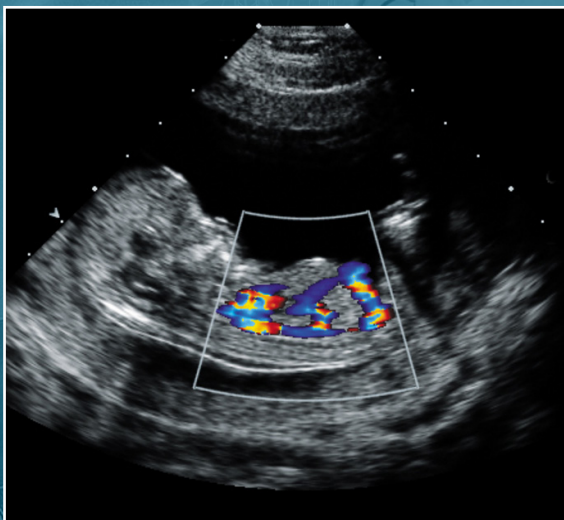


Dr. Mohammed
Alghamdi



Dr. Huda
Khaleel

Time	Topic	Speaker
13:30 - 13:40	Welcome and Introduction to Fetal Echo and the goals	Dr. Mohammed Alghamdi
13:40 - 14:45	Theoretic introduction to Fetal Echo and screening	
14:45 - 15:30	How to perform FETAL Echo	Dr. Huda Khaleel
15:30 - 16:00	Fetal Cases	
16:00 - 16:30	Q&A	Dr. Mohammed Alghamdi



Seats: 20

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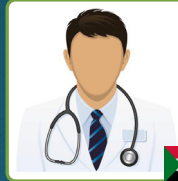
ECG WORKSHOP*

13th SEPTEMBER 2025

Saturday | 8:00AM to 12:00PM



Dr. Hussein
Hado



Dr. Najji
Fagir



Dr. Abdullah
Sharaf

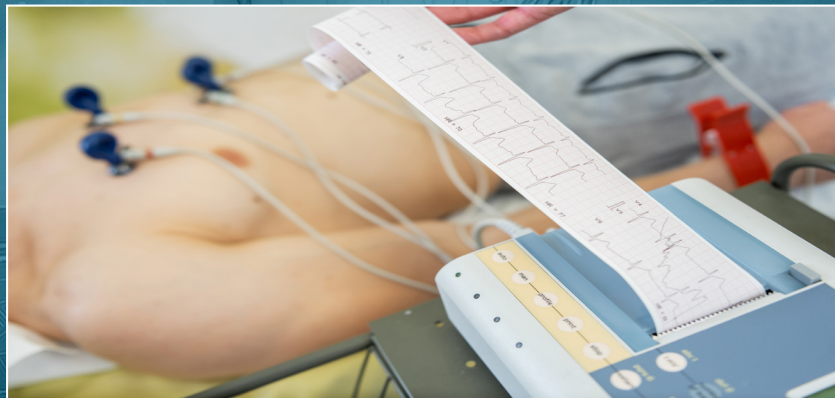


Dr. Hatim
Aloui



Dr. Yagoub
Musa

Time	Topic	Speaker
08:30 - 09:00	ECG Interpretation at Square One	Dr. Hussein Hado
09:00 - 09:30	Diagnostic Approach to Brady Arrhythmia	Dr. Najji Fagir
09:30 - 10:00	Diagnostic Approach to Narrow Complex Tachycardia	Dr. Abdullah Sharaf
10:00 - 10:15	Q&A	
10:15 - 10:45	Diagnostic Approach to Wide Complex Tachycardia	Dr. Hussein Hado
10:45 - 11:15	ECG in ACS Where to look for the small prints	Dr. Hatim Aloui
11:15 - 11:45	ECG in Heart Failure: Looking Beyond the Diagnosis	Dr. Yagoub Musa
11:45 - 12:00	Q&A	



Seats: 60

*students are allowed to register for the ECG workshop.

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