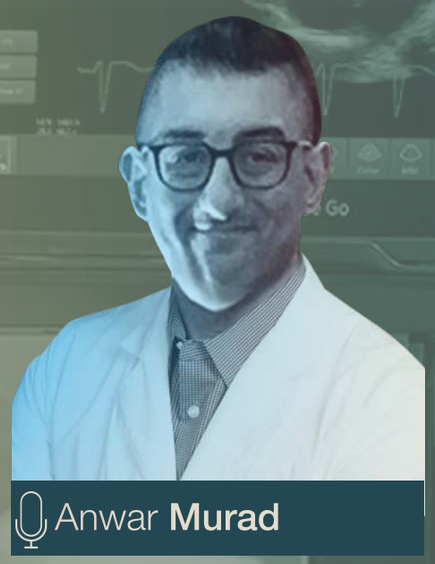
1ST PAN-ARAB CONFERENCE OF THE
WORLD FEDERATION
OF INTENSIVE AND CRITICAL CARE SOCIETIES

THE 20th INTERNATIONAL
IPACCIMS PAN ARAB
CRITICAL CARE
MEDICINE SOCIETY CONFERENCE

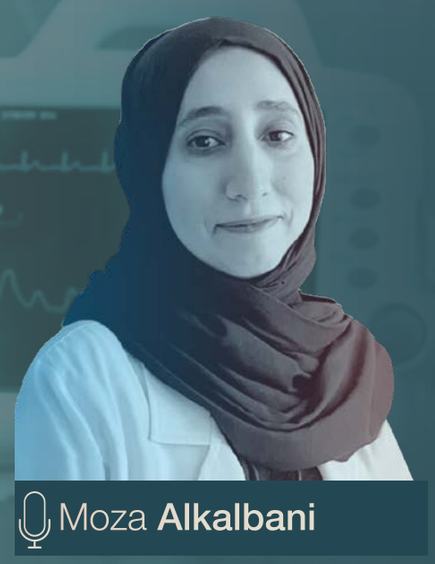
WORKSHOP

CRITICAL CARE ULTRASOUND – A PRIMER


Alberto **Goffi**


Anwar **Murad**


Ahmed **Almumin**


Moza **Alkalbani**


Mujahid **Albusaidi**


Maha **Almandahari**


Jonathan **Aron**

31 JANUARY 2025

09:00 AM
17:00 PM

GRAND HYATT HOTEL

6 CME POINTS

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WORKSHOP | CRITICAL CARE ULTRASOUND – A PRIMER

OBJECTIVES:

After active engagement in this workshop, participants will be better able to:

1. Understand principles and evidence-based recommendations of point-of-care critical care ultrasound (problem-based, goal-oriented, physician-performed, extension of physical examination)
2. Effectively operate an ultrasound machine in its basic functions
3. Acquire adequate ultrasound images of the main focused cardiac views (subcostal, apical, parasternal, inferior vena cava views), lung ultrasound views and FAST views
4. Correctly interpret basic POCUS images, and integrate findings in clinical decision making

TARGET AUDIENCE:

- This -1day Workshop is designed for healthcare providers in the fields of anesthesiology, emergency medicine, critical care medicine, acute care medicine and pre-hospital medicine who routinely manage acutely ill patients.
- The course is designed for healthcare providers with limited or no experience in point-of-care ultrasound and covers the use of limited Transthoracic Echocardiography, lung ultrasound (LUS) and Focused Assessment Sonography in Trauma (FAST) in the settings of cardiac arrest, peri-arrest resuscitation, shock and trauma, and as an emergency bedside diagnostic tool for unstable patients.

REGISTER NOW

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1-3 FEBRUARY 2025
KUWAIT CITY

PRE CONFERENCE
WORKSHOP
30 - 31 JANUARY

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WORKSHOP | CRITICAL CARE ULTRASOUND – A PRIMER

WORKSHOP TIMETABLE

8:45-9:00	Registration	
9:00-9:10	Welcome	
9:10-9:30	Introduction to Critical Care Ultrasound After active engagement in this session, participants will be better able to understand principles and evidence-based recommendations of point-of-care critical care ultrasound (problem-based, goal-oriented, physician-performed, extension of physical examination)	Alberto Goffi
9:30-11:00	Hands-on Training (HOT) 1 – Basic FoCUS views & Image interpretation Goals and Objectives After active engagement in this session, participants will be better able to: - Effectively operate an ultrasound machine in its basic functions. - Acquire adequate ultrasound images of the main focused cardiac views (subcostal, apical, parasternal, inferior vena cava views) - Identify key cardiac structures - Apply principles of qualitative/semi-quantitative image interpretation Active Learning: small group hands-on sessions 3 stations – 30 min/each (total 90 min) STATION 1: Parasternal Views 1 STATION 2: Apical Views STATION 3: Subcostal Views	Alberto Goffi Anwar Murad Ahmed Al-Mumin Maha Al Mandhari Mujahid Al-Busaidi Moza Al Kalbani Jonathan Aron
11:00-11:30	Coffee Break	
11:30-11:50	BASIC LV Assessment After active engagement in this session, participants will be better able to understand cardiac physiology and anatomy relevant to LV assessment Active Learning: interactive lecture & case-based learning	Maha Al Mandhari
11:50-12:10	BASIC RV Assessment After active engagement in this session, participants will be better able to understand cardiac physiology and anatomy relevant to RV assessment	Anwar Murad
12:10-12:30	BASIC Pericardium Assessment After active engagement in this session, participants will be better able to understand cardiac physiology and anatomy relevant to pericardial effusion and tamponade physiology Active Learning: interactive lecture & case-based learning	Jonathan Aron
12:30-13:30	Lunch	

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13:30-15:00	**Hands-on Training (HOT) 2– Basic FoCUS views & Image interpretation** **Goals and Objectives** **After active engagement in this session, participants will be better able to:** **- Perform basic valvular assessment** **- Correctly identify and interpret US signs of LV function (visual estimation of LV ejection fraction; normal LV size; principle of RWMA identification; linear measurement PLAX)** **- Correctly identify and interpret US signs of RV function (visual estimation of RV function; TAPSE; normal RV size; septal dyskinesia)** **- Correctly identify and interpret US signs of pericardial effusion and tamponade physiology (IVC plethora, RA systolic collapse, RV diastolic collapse, respiratory variations)** **- Apply an integrated ultrasound approach to shock, dyspnea and cardiac arrest** **- Correctly interpret acquired images, and integrate findings in clinical decision making** **Active Learning: small group hands-on sessions; video analysis / interactive lecture & case-based learning** **3 stations – 30 min/each (total 90 min)** **STATION 1: Complete Exam 1** **STATION 2: Complete Exam 2** **STATION 3: Image interpretation**	**Alberto Goffi** **Anwar Murad** **Ahmed Al-Mumin** **Maha Al Mandhari** **Mujahid Al-Busaidi** **Moza Al Kalbani** **Jonathan Aron**
15:00-15:30	**Coffee Break**	
15:30-15:50	**BASIC Lung Ultrasound** **After active engagement in this session, participants will be better able to understand basic lung sonographic findings (A-lines, B-lines, lung sliding, lung pulse, lung point, pleural effusion, consolidation, air bronchograms)** **Active Learning: interactive lecture & case-based learning**	**Ahmed Al-Mumin**
15:50-16:10	**FAST** **After active engagement in this session, participants will be better able to understand basic principle of e-FAST Exam (positive findings; RUQ, LUQ, pelvic views)** **Active Learning: interactive lecture & case-based learning**	**Moza Al Kalbani**
16:10-17:10	**Hands-on Training (HOT) 3 – Lung Ultrasound and FAST** **Goals and Objectives** **After active engagement in this session, participants will be better able to:** **- Perform basic LUS assessment** **- Correctly identify and interpret key lung US findings (A-lines, B-lines, lung sliding, lung pulse, spine sign)** **- Perform basic e-FAST assessment** **Active Learning: small group hands-on sessions** **2 stations – 30 min/each (total 90 min)** **STATION 1: LUS** **STATION 2: FAST**	**Alberto Goffi** **Anwar Murad** **Ahmed Al-Mumin** **Maha Al Mandhari** **Mujahid Al-Busaidi** **Moza Al Kalbani** **Jonathan Aron**
17:10	**Adjourn**	