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# SWAAC ELSO

# 11<sup>TH</sup> ANNUAL CONFERENCE **2025**

**EMPOWER - DRIVE - INNOVATE - ADVANCE**

**4-5 FEBRUARY, 2025**  
PRE-CONFERENCE  
WORKSHOP



**9-10 FEBRUARY, 2025**  
POST-CONFERENCE  
WORKSHOP

**6-8 FEBRUARY, 2025**  
CONFERENCE  
DAYS

**CLEVELAND CLINIC, ABU DHABI, UAE**

**CONRAD ABU DHABI ETIHAD TOWERS, UAE**



## CONFERENCE BOOK

## Index

03	Welcome Message
04	Conference Committee
09	Conference Speakers
18	Conference Objectives
20	General Information
21	CME Accreditation
22	Pre-Workshop Agenda
26	Conference Agenda
30	Post-Workshop Agenda
31	Poster Presentations
34	Speakers' Biography
58	About Abu Dhabi
59	Sponsors and Exhibitors

## Welcome Message



Dear Colleagues,

On behalf of the organizing committee, it is with great pleasure and honor that we extend a warm welcome to you for the **11th Annual SWAAC ELSO Conference (South West Asia and Africa Chapter of the Extracorporeal Life Support Organization)**. The conference will be held at the Conrad Etihad Towers in Abu Dhabi from **February 6th to 8th, 2025**. This year's conference is being held in conjunction with the ECMO Net meeting, bringing together some of the most prominent researchers in the field of ECMO.

The SWAAC ELSO Conference serves as a significant platform for professionals in the field of Extracorporeal Life Support (ECLS) therapy to gather, exchange knowledge, and collaborate on advancing the frontiers of this critical medical discipline. With the support of the South West Asia and Africa Chapter of ELSO, we have curated a thought-provoking scientific program that encompasses the latest advancements, innovative research, and best practices in ECLS.

During the conference, we will explore the multifaceted aspects of ECLS therapy through engaging sessions, interactive workshops, and insightful keynote presentations. We have assembled an esteemed panel of experts from around the globe who will share their expertise, experiences, and groundbreaking discoveries in this rapidly evolving field. Whether you are a Critical Care Physician, Anesthesiologist, Cardiologist, Heart Failure Specialist, Pulmonologist, Cardiothoracic and Vascular Surgeon, paediatrician, Perfusionist, Nurse, or any other member of the multidisciplinary team, there will be valuable content tailored to your specific interests and professional development.

Our aim is not only to facilitate the dissemination of knowledge but also to foster meaningful collaborations and networking opportunities. The SWAAC ELSO Conference provides a vibrant platform for professionals to connect, share ideas, and forge partnerships that will drive advancements in ECLS therapy.

In addition to the exceptional scientific program, we have organized both pre- and post-conference workshops. These workshops provide hands-on training, enabling participants to enhance their practical skills and gain valuable insights into the complexities of adult and pediatric ECLS therapy. We encourage you to take full advantage of these workshops and make the most of this unique learning opportunity.

Abu Dhabi, with its rich cultural heritage and stunning landscapes, serves as the perfect backdrop for this conference. We hope you will take the opportunity to explore the city's attractions, experience its warm hospitality, and establish lasting connections with colleagues from diverse backgrounds.

Your presence and active engagement are vital to the success of the SWAAC ELSO 2025 Conference. Once again, we welcome you to Abu Dhabi, and we are confident that this important conference will be a memorable and enlightening experience for all.

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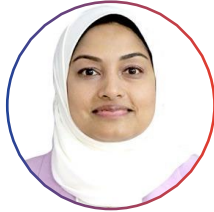
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Consultant Anaesthetist and  
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Anaesthesia, Critical Care  
Pain Management  
Adan Hospital, Kuwait



**Dr. Marek Dąbrowski**  
Phd, Msc, MPH, A-EMP  
Assistant Professor  
Karol Marcinkowski  
University of Medical Sciences  
Poznan, Poland



**Dr. Mateusz Puślecki, PhD**  
Academic Professor &  
Medical Doctor - Cardiac Surgeon  
Karol Marcinkowski  
University of Medical Sciences  
Poznan, Poland



**Dr. Sin Wai Ching**  
Director of Critical Care  
Medicine Unit,  
School of Clinical Medicine  
Li Ka Shing Faculty of Medicine  
The University of Hong Kong



**Mr. Chan, Wai Kit Ricky**  
Department Operations Manager  
Adult Intensive Care Unit,  
Queen Mary Hospital, Hong Kong,  
China

## Train the Trainer Course Faculty



**Dr. Ibrahim Fawzy Hassan**  
 Chief, Medicine Critical Care  
 Division ECMO Program  
 Director, Deputy Medical Director  
 Ambulance Service  
 Hamad Medical Corporation  
 Associate Professor Clinical Medicine  
 Weill Cornell Medical College,  
 Qatar



**Dr. Mark Takashi Ogino**  
 Neonatologist  
 Children's Hospital of Philadelphia,  
 USA

## Oral Presenters



**Dr. Reudor Grinberg**  
 Director of ECMO and  
 General Intensive Care  
 Shamir Medical Center  
 Israel



**Dr. Sarfaraz Rahiman**  
 Deputy Director, PICU  
 Children's Health Queensland  
 Hospital and Health Service  
 Australia



**Dr. Aaron Thrush**  
 Pulmonary Physical Therapy  
 Specialist, Cleveland Clinic,  
 Abu Dhabi, UAE



**Mr. Nguyễn Cường**  
 Director of ECMO and  
 General Intensive Care  
 Bach Mai Hospital  
 USA

## Learning Objectives

- Enhance understanding of the latest advancements in Extracorporeal Life Support (ECLS) therapy, including technological innovations, treatment modalities, and patient management strategies.
- Explore the multidisciplinary approach to ECLS therapy and foster collaboration among healthcare professionals from various specialties, including anaesthesiology, cardiology, cardiac surgery, transplant surgery, paediatrics, radiology, vascular surgery, and other related fields.
- Gain insights into best practices and evidence-based guidelines for the initiation, management, and weaning of ECLS therapy in both adult and pediatric populations.
- Acquire knowledge of the unique challenges and considerations in implementing ECLS services outside the cardiac operating theatre and intensive care unit, such as in the cath lab, emergency department, and general operating theatre.
- Understand the role of ELSO and its chapters in providing educational platforms, promoting quality assurance, and facilitating collaboration among ECLS professionals globally.
- Discuss the latest research findings and clinical outcomes related to ECLS therapy, including survival rates, long-term outcomes, and quality of life for ECLS patients.
- Explore the integration of ECLS therapy with other treatment modalities, such as organ transplantation, ECMO-assisted interventions, and circulatory support devices, to optimize patient outcomes.
- Gain practical skills and knowledge through hands-on workshops, including cannulation techniques, troubleshooting common ECLS complications, and simulation-based training for ECLS scenarios.
- Address the ethical, legal, and societal implications of ECLS therapy, including patient selection, resource allocation, informed consent, and end-of-life care.
- Foster networking and collaboration among participants to establish professional connections, share experiences, and promote ongoing research and development in the field of ECLS therapy.

## Program Highlights

- Meet the experts
- Pro Con debates
- Year in review across the globe
- MCS in LV/RV failure
- Monitoring modalities on ECMO
- Beyond single circuit
- ECMO in trauma/ burns/ cancer
- Perioperative ECMO
- ECMO facilitated transplants
- Awake ECMO and Rehabilitation
- Life after ECMO
- ECMO in coming decade and beyond

## Pre-Conference Workshops

- ECMO Cannulation
- Comprehensive Paediatric ECMO
- Mechanical Ventilation

## Post-Conference Workshops

- Train the Trainer

## Target Audience

- Anaesthesiologists
- Cardiologists
- Cardiac surgeons
- Transplant surgeons
- Intensive care physicians
- Paediatricians
- Neonatologists
- Respiratory therapists
- Perfusionists
- Nurses specializing in critical care or cardiac care
- Vascular surgeons
- Emergency medicine physicians
- Clinical dietitians
- Physiotherapists
- Infectious disease specialists
- Palliative care experts

## Why attend the SWAAC ELSO 2025 Conference

SWAAC ELSO 2025 Conference offers healthcare professionals involved in ECLS therapy a unique opportunity to:

- Access the latest advancements
- Gain expert knowledge
- Collaborate with multidisciplinary teams
- Learn from real-life experiences
- Enhance practical skills
- Gain CME Hours
- Network with peers
- Contribute to the global development of ECLS therapy

It is an investment in your professional growth and, ultimately, in improving patient outcomes and quality of care.

## General Information

### VENUE

Conrad Abu Dhabi Etihad Towers offers a 5 star luxury hotel and events venue of awe-inspiring design and extraordinary architecture, located in the iconic West Corniche district of Abu Dhabi.

### NAME BADGES

Participants are required to wear their name badges throughout the meeting in order to be admitted to the lecture halls and other scheduled activities. Kindly ensure to scan in and scan out in the session halls attended.

### REFRESHMENT AND LUNCH

Refreshment and lunch will be offered in accordance with the breaks indicated on the Agenda.  
Lunch Area: Level P4 - Ballroom 1 & 2

### MOBILE PHONES AND PHOTOGRAPHY

Participants are kindly requested to keep their mobile phones silent mode in the conference hall and refrain from taking photographs with flash during sessions.

### LOCATION POINTS

Main Conference Hall & Adult Track: Level P4 - Ballroom 3 & 4  
Pediatric Track (February 7, 2025): Level P4 - Meeting Room 3 & 4  
Speakers Room: Level P4 - Chairman's Suite

### FRIDAY PRAYER

Transportation will be available at the Conrad at Etihad Towers lobby at 12:45 Hrs, and the bus will depart promptly at 13:00 Hrs. It will take the delegates to the nearest mosque and bring back to the hotel afterward.

### ABSTRACT

Abstract Digital Posters will be on display the entire day of the conference from 6 - 8 February 2025. Poster Evaluation will take place on 6 - 7 February 2025.



## Conference CME Accreditation

The SWAAC ELSO 11th Annual Conference 2025 has been accredited by the Department of Health and is designated for a maximum of **22.55 DOH (CME) credits**.

Delegates based in Abu Dhabi/ UAE, are required to claim their certificate through the DOH TAMM application. The certificate can be claimed within 60 days from the conference start date, after this period certificates will no longer be available for claim.

DAY 1, Thursday 06/02/2025 is Accredited for **07.00 CME** Hours

DAY 2, Friday 07/02/2025 is Accredited for **08.00 CME** Hours

DAY 3, Saturday 08/02/2025 is Accredited for **07.55 CME** Hours

The SWAAC ELSO 11th Annual Conference 2025 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) and is designated for a maximum of **17.00 European CME credits (ECMEC®s)**.

EACCME® certificates of attendance will be ready maximum 7 days post conference at MENA Conference website ([www.menaconference.com](http://www.menaconference.com)).

DAY 1, Thursday 06/02/2025 is Accredited for **05.00 CME** Hours

DAY 2, Friday 07/02/2025 is Accredited for **06.00 CME** Hours

DAY 3, Saturday 08/02/2025 is Accredited for **06.00 CME** Hours

## Workshops CME Accreditation

<p>The SWAAC ELSO 2025 <b>ECMO Cannulation (Pre-conference workshop)</b> has been accredited by the Department of Health and is designated for a maximum of <b>06.30 (CME) credits</b>.</p>	<p>The SWAAC ELSO 2025 <b>Comprehensive Paediatric ECMO (Pre-conference Workshop)</b> has been accredited by the Department of Health and is designated for a maximum of <b>14.50 DOH (CME) credits</b>.</p>	<p>The SWAAC ELSO 2025 <b>Mechanical Ventilation</b> has been accredited by the Department of Health and is designated for a maximum of <b>06.10 DOH (CME) credits</b>.</p>	<p>The SWAAC ELSO 2025 <b>ELSO Instructor Development Course - Train the Trainer ECMO Master Class</b> has been accredited by the Department of Health and is designated for a maximum of <b>17.30 DOH (CME) credits</b>.</p>
<p>DAY 1, Tuesday 04/02/2025 is Accredited for <b>06.30 CME</b> Hours</p>	<p>DAY 1, Tuesday 04/02/2025 is Accredited for <b>08.33 CME</b> Hours</p>	<p>DAY 1, Wednesday 05/02/2025 is Accredited for <b>06.10 CME</b> Hours</p>	<p>DAY 1, Sunday 09/02/2025 is Accredited for <b>08.75 CME</b> Hours</p>
<p>DAY 2, Wednesday 05/02/2025 is Accredited for <b>06.30 CME</b> Hours</p>	<p>DAY 2, Wednesday 05/02/2025 is Accredited for <b>06.17 CME</b> Hours</p>		<p>DAY 2, Monday 10/02/2025 is Accredited for <b>08.55 CME</b> Hours</p>
<p>VENUE: <b>Sim Centre, Cleveland Clinic Abu Dhabi Hospital, UAE</b></p>	<p>VENUE: <b>Sim Centre, Cleveland Clinic Abu Dhabi Hospital, UAE</b></p>	<p>VENUE: <b>Conrad Abu Dhabi Etihad Towers, UAE</b></p>	<p>VENUE: <b>Sim Centre, Cleveland Clinic Abu Dhabi Hospital, UAE</b></p>

## Certificate of Attendance

- Please ensure to scan in and scan out your name badge in the session halls attended.
- CME points are accumulated based on attended hours.
- A notification containing the link and instructions on how to download the certificates will be sent to your registered email address.
- Please note that you are required to complete the online evaluation of the conference before you can access the link to download your CME certificates. It is your responsibility to download and retain a copy of the certificate for your records.
- Each medical specialist should claim only those credits that he/she actually spent in the educational activity.

## WORKSHOP AGENDA

### ECMO Cannulation

Pre-Conference

#### DAY 1 - 4th February 2025

07:00 - 08:00 AM  
Breakfast / Registration

08:00 - 09:00 AM  
Pre-Simulation Lecture  
**Ihab Ahmed MD / Mohamed Hatem Azzam MD**

**Learning points**  
 - Types of cannulas and their purpose  
 - Selecting the correct cannula  
 - Ultrasound  
 - Echocardiogram  
 - Methods of cannulation (Basic and advanced (ie VVA, VAV, LAE)  
 - Dealing with cannulation complications  
 - Decannulation and techniques

#### Practical Simulation Session 1

Workshop Chair: Salman Butt

09:00 - 09:30 AM GROUP 1 + 2  
Circuit and Disposables  
 - Review cannulas and disposables  
 - Review ECMO circuit  
**Tarig Omer** **Mohamed Hatem Azzam**  
**Ihab Ahmed** **Dana Gonzales**  
**Nabeel Razzaq** **Marie Franz Mirasol**  
**Ravikannan Somasundaram**

09:30 - 10:30 AM  
GROUP 1  
VA - Arterial cannulation  
 - Locating Femoral artery  
 and landmarks  
 - Seldinger technique  
 - DPC insertion  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

09:30 - 10:30 AM  
GROUP 2  
VV - Venous Cannulation  
 - Locating Jugular vein  
 and landmarks  
 - Seldinger technique  
 - Venous purse strings for  
 decannulation  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Dana Gonzales**

10:30 - 11:00 AM | Coffee Break

11:00 - 12:00 PM  
GROUP 2  
VA - Arterial cannulation  
 - Locating Femoral artery  
 and landmarks  
 - Seldinger technique  
 - DPC insertion  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

11:00 - 12:00 PM  
GROUP 1  
VV - Venous Cannulation  
 - Locating Jugular vein  
 and landmarks  
 - Seldinger technique  
 - Venous purse strings for  
 decannulation  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Dana Gonzales**

12:00 - 13:00 PM | Lunch Break

#### Practical Simulation Session 2

13:00 - 14:00 PM  
GROUP 1  
Hybrid ECMO cannulation  
 - Y connector hybrid  
 configurations  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

13:00 - 14:00 PM  
GROUP 2  
Hybrid ECMO cannulation  
 - Y connector hybrid  
 configurations  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Dana Gonzales**

14:00 - 15:00 PM  
GROUP 2  
Open Session + Assessment  
 - Troubleshooting  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

14:00 - 15:00 PM  
GROUP 1  
Open Session + Assessment  
 - Troubleshooting  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Dana Gonzales**

15:00 - 15:30 PM  
Debrief  
**ECMO Team**

15:30 - 16:00 PM  
Knowledge check

4th - 5th February 2025

Sim Centre, Cleveland Clinic,  
Abu Dhabi Hospital, UAE

#### DAY 2 - 5th February 2025

07:00 - 08:00 AM  
Breakfast / Registration

08:00 - 09:00 AM  
Pre-Simulation Lecture  
**Ihab Ahmed MD / Mohamed Hatem Azzam MD**

**Learning points**  
 - Types of cannulas and their purpose  
 - Selecting the correct cannula  
 - Ultrasound  
 - Echocardiogram  
 - Methods of cannulation (Basic and advanced (ie VVA, VAV, LAE)  
 - Dealing with cannulation complications  
 - Decannulation and techniques

#### Practical Simulation Session 1

Workshop Chair: Salman Butt

09:00 - 09:30 AM GROUP 1 + 2  
Circuit and Disposables  
 - Review cannulas and disposables  
 - Review ECMO circuit  
**Tarig Omer** **Mohamed Hatem Azzam**  
**Ihab Ahmed** **Marie Franz Mirasol**  
**Nabeel Razzaq** **Nadine Torcedo**  
**Ravikannan Somasundaram**

09:30 - 10:30 AM  
GROUP 1  
VA - Arterial cannulation  
 - Locating Femoral artery  
 and landmarks  
 - Seldinger technique  
 - DPC insertion  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

09:30 - 10:30 AM  
GROUP 2  
VV - Venous Cannulation  
 - Locating Jugular vein  
 and landmarks  
 - Seldinger technique  
 - Venous purse strings for  
 decannulation  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Nadine Torcedo**

10:30 - 11:00 AM | Coffee Break

11:00 - 12:00 PM  
GROUP 2  
VA - Arterial cannulation  
 - Locating Femoral artery  
 and landmarks  
 - Seldinger technique  
 - DPC insertion  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

11:00 - 12:00 PM  
GROUP 1  
VV - Venous Cannulation  
 - Locating Jugular vein  
 and landmarks  
 - Seldinger technique  
 - Venous purse strings for  
 decannulation  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Nadine Torcedo**

12:00 - 13:00 PM | Lunch Break

#### Practical Simulation Session 2

13:00 - 14:00 PM  
GROUP 1  
Hybrid ECMO cannulation  
 - Y connector hybrid  
 configurations  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

13:00 - 14:00 PM  
GROUP 2  
Hybrid ECMO cannulation  
 - Y connector hybrid  
 configurations  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Nadine Torcedo**

14:00 - 15:00 PM  
GROUP 2  
Open Session + Assessment  
 - Troubleshooting  
**Ihab Ahmed, Arun Kumar**  
**Ravikannan Somasundaram,**  
**Gilbert Lavallee, Marie Franz**  
**Mirasol**

14:00 - 15:00 PM  
GROUP 1  
Open Session + Assessment  
 - Troubleshooting  
**Tarig Omer, Fazil Ashiq,**  
**Nabeel Razzaq, Mohamed Hatem**  
**Azzam, Nadine Torcedo**

15:00 - 15:30 PM  
Debrief  
**ECMO Team**

15:30 - 16:00 PM  
Knowledge check

## WORKSHOP AGENDA

### Comprehensive Paediatric ECMO

Pre-Conference

4th - 5th February 2025

Sim Centre, Cleveland Clinic,  
Abu Dhabi Hospital, UAE

#### DAY 1 - 4th February 2025

<b>Dr. Matteo Di Nardo Dr. Ben Griffiths, Ms. Drisiya Paul</b>	<b>Dr. Kesava Ramakrishnan, Dr. Nada Al Jassim, Dr. Naga Kishore Puppala</b>	<b>Dr. Elisabetta Giacomini, Dr. Peter Roeleveld, Dr. Grace Leeuwen</b>
07:00 - 08:00 AM Breakfast / Registration	07:00 - 08:00 AM Breakfast / Registration	07:00 - 08:00 AM Breakfast / Registration
08:00 - 08:30 AM Welcome and Simulation Overview	08:00 - 08:30 AM Welcome and Simulation Overview	08:00 - 08:30 AM Welcome and Simulation Overview
08:30 - 10:15 AM (75 minutes) <b>Infant Room: Neck VA with PediMag and Neo AMG</b> Puzzle Session (in Rooms) Consult and Cannulation	08:30 - 10:15 AM (75 minutes) <b>Child Room: RIJ DLVV with Spectrum and Peds AMG</b> Puzzle Session (in Rooms) Consult and Cannulation	08:30 - 10:15 AM (75 minutes) <b>Adolescent Room: Groin VA with CentriMag and Nautilus (Reviewing Cardiohelp)</b> Puzzle Session (in Rooms) Consult and Cannulation
10:15 - 10:30 AM Coffee Break	10:15 - 10:30 AM Coffee Break	10:15 - 10:30 AM Coffee Break
10:30 - 12:00 PM (90 minutes) Technology review Circuit check Skills Bootcamp	10:30 - 12:00 PM (90 minutes) Technology review Circuit check Skills Bootcamp	10:30 - 12:00 PM (90 minutes) Technology review Circuit check Skills Bootcamp
12:00 - 13:00 PM Lunch Break	12:00 - 13:00 PM Lunch Break	12:00 - 13:00 PM Lunch Break
13:00 - 14:00 PM (60 minutes) Skills Bootcamp	13:00 - 14:00 PM (60 minutes) Skills Bootcamp	13:00 - 14:00 PM (60 minutes) Skills Bootcamp
14:00 - 15:30 PM (90 minutes) <b>Sim Session #1</b> 01. Drainage Insufficiency 03. Air Entrainment	14:00 - 15:30 PM (90 minutes) <b>Sim Session #1</b> 01. Drainage Insufficiency 03. Air Entrainment	14:00 - 15:30 PM (90 minutes) <b>Sim Session #1</b> 01. Drainage Insufficiency 03. Air Entrainment
15:30 - 15:45 PM Coffee Break	15:30 - 15:45 PM Coffee Break	15:30 - 15:45 PM Coffee Break
15:45 - 16:30 PM Lessons Learned Day 1	15:45 - 16:30 PM Lessons Learned Day 1	15:45 - 16:30 PM Lessons Learned Day 1
16:30 PM Adjourn	16:30 PM Adjourn	16:30 PM Adjourn

#### DAY 2 - 5th February 2025

<b>Dr. Matteo Di Nardo Dr. Ben Griffiths, Ms. Elisabetta Giacomini</b>	<b>Ms. Drisiya Paul Naga Puppala, Keseva Ramakrishnan</b>	<b>Grace Leeuwen Peter Roeleveld, Nada Al Jamsem</b>
07:00 - 08:00 AM Breakfast / Registration	07:00 - 08:00 AM Breakfast / Registration	07:00 - 08:00 AM Breakfast / Registration
08:00 - 08:15 AM Welcome	08:00 - 08:15 AM Welcome	08:00 - 08:15 AM Welcome
<b>Infant Room: Neck VA with PediMag</b>	<b>Child Room: RIJ DLVV with Spectrum</b>	<b>Adolescent Room: Groin VA with CentriMag</b>
<b>Rotate Rooms</b>	<b>Rotate Rooms</b>	<b>Rotate Rooms</b>
08:15 - 09:15 AM (60 minutes) Patient Presentation Technology review	08:15 - 09:15 AM (60 minutes) Patient Presentation Technology review	08:15 - 09:15 AM (60 minutes) Patient Presentation Technology review
09:15 - 10:00 AM (45 minutes) <b>Sim Session #2</b> 03. 04.	09:15 - 10:00 AM (45 minutes) <b>Sim Session #2</b> 03. 04.	09:15 - 10:00 AM (45 minutes) <b>Sim Session #2</b> 03. 04.
10:00 - 10:15 AM Coffee Break	10:00 - 10:15 AM Coffee Break	10:00 - 10:15 AM Coffee Break
<b>Rotate Rooms</b>	<b>Rotate Rooms</b>	<b>Rotate Rooms</b>
10:15 - 10:45 AM (30 minutes) Patient Presentation Technology review	10:15 - 10:45 AM (30 minutes) Patient Presentation Technology review	10:15 - 10:45 AM (30 minutes) Patient Presentation Technology review
10:45 - 12:00 PM (75 minutes) <b>Sim Session #3</b> 05. 06.	10:45 - 12:00 PM (75 minutes) <b>Sim Session #3</b> 05. 06.	10:45 - 12:00 PM (75 minutes) <b>Sim Session #3</b> 05. 06.
12:00 - 13:00 PM Lessons Learned Day 2	12:00 - 13:00 PM Lessons Learned Day 2	12:00 - 13:00 PM Lessons Learned Day 2
13:00 PM Adjourn	13:00 PM Adjourn	13:00 PM Adjourn



WORKSHOP AGENDA

**Mechanical Ventilation**

Pre-Conference

5th February 2025

Conrad Abu Dhabi Etihad Towers,  
UAE

DAY 1 - 5th February 2025

08:00 - 09:00 AM  
Registration

09:00 - 09:30 AM  
**Lecture**  
Respiratory system mechanics

9:30 - 10:10 AM  
**Case Discussion**  
Friday-Night Ventilation Part 1 - Case Discussion And Interactive Session

10:10 - 10:40 AM  
**Lecture**  
Individualized lung - Protective ventilation with ASV

10:40 - 11:10 AM  
**Lecture**  
Should I optimize lung volume?

11:10 to 11:30 AM  
Coffee Break

11:30 to 12:30 PM  
**Simulation Session**  
(VirtuVent) - P/V Tool for recruitability assessment, lung recruitment, and PEEP strategy

12:30 - 13:30 PM  
Networking Lunch

13:30 - 14:10 PM  
**Simulation Session**  
Friday - night Ventilation Part 2, case based interactive Session

14:10 - 14:40 PM  
**Lecture**  
Protective MV in ECMO patients

14:40- 15:10 PM  
**Case Discussion**  
Protective MV in ECMO patients

15:10 - 15:30 PM  
Coffee Break

15:30 - 16:10 PM  
**Simulation Session**  
Hands on simulation: Set up ASV in a patient with varying mechanics

16:10 - 16:30 PM  
End of Day 1

ADULT TRACK

Agenda Day 1

06th February 2025, Thursday

Conrad at Etihad Towers Hotel, Abu Dhabi

TIME	TOPIC	SPEAKERS
08:00 - 08:55	Registration	
08:55 - 09:00	Welcome and Introduction	
(09:00-10:00) Plenary Session 1: Plenary Sessions : Global Perspectives Moderators: Poonam Malhotra, Alain Combes, Musaab Al-Ramsi		
09:00 - 09:20	ECMO: 2024 Year in Review	Darryl Abrams, USA
09:20 - 09:40	SWAAC ELSO: Past, present and future	Huda Alfoudri, Kuwait
09:40 - 10:00	Outcomes across the globe: how to achieve harmony	Mirko Belliato, Italy
10:00 - 10:30	<b>Key Note Address: Abu Dhabi's vision for ECMO</b> <b>Keynote Moderators: Suneel Pooboni and Shameena Beegom</b>	<b>Duane Carl Caneva, UAE</b>
10:30 - 12:00	Inauguration	
12:00 - 13:00	Lunch Break and Industry Session	
12:00 - 12:30	ECMO in High risk PCI	Akram Abdelbary, Egypt
	From data to action - real time decision support in ECLS	Bishoy Magdalla, USA
12:30 - 13:00	Cytosorb purification in sepsis on ECMO	Carlos Sanchez, KSA
	CARL: next level of ECP	Georg Trummer, Germany
(13:00-15:30) Plenary Session 2: Cardiogenic Shock and ECMO Moderators: Ibrahim Fawzy, Gopal Bhatnagar, Akram Abdel Bary		
13:00 - 13:20	Post cardiectomy VA ECMO: Current best practice	Roberto Luroso, Netherlands
13:20 - 13:40	MCS Strategies for RV Failure	Eddy Fan, Canada
13:40 - 14:00	VA ECMO in patients with pulmonary hypertension: Current Best Practice	Hassan Alnuaimat, UAE
14:00 - 14:20	ECMO in Cardiogenic Shock: Lessons for future trials	John Fraser, Australia
14:20 - 14:40	LV failure: Impella/ECMO/LAVA	Alain Combes, France
14:40 - 15:00	Q & A	
15:00 - 15:30	Tea and Coffee Break	
15:00 - 16:00	Poster Presentation	
(15:50-17:20) Plenary Session 3: Monitoring on ECMO Moderators: Gennaro Martucci, Mohammed Shalaby		
15:50 - 16:05	Head to toe POCUS on various stages of ECMO	Jose Diaz Gomez, UAE
16:05 - 16:20	PA catheter in VA ECMO: essential or needles risk	Ahmed Hegazy, Saudi Arabia
16:20 - 16:35	Respiratory mechanics on ECMO	Matthieu Schmidt, France
16:35 - 16:50	Drug Dosing and monitoring on ECMO	Kiran Shekar, Australia
16:50 - 17:05	Nutrition assessment on ECMO	Yaseen Arabi, Saudi Arabia
17:05 - 17:20	Q & A	
17:20	End of Day 1	

ADULT TRACK

Agenda Day 2

07th February 2025, Friday  
 Conrad Abu Dhabi Etihad Towers, UAE

TIME	TOPIC	SPEAKERS
07:00 - 07:55	Registration	
07:55 - 08:00	Welcome and Introduction	
<b>(08:00-10:40) Plenary Session 4: Respiratory ECMO : Best practice</b> Moderators: Kalpana Reddy, Mohammad Azzam, Saif Al-Kaabi		
08:00 - 08:20	ECMO in trauma care: what we need to know	Ibrahim Fawzy, Qatar
08:20 - 08:40	When one circuit is not enough: Parallel ECMO in Hypoxemia	Ramanathan K, Singapore
08:40 - 09:00	Heparin free VV ECMO: has the time arrived	Thomas Mueller, Germany
09:00 - 09:20	Why intubate at all? ECMO without ventilator	Marlice Van Dyk, South Africa
09:20 - 09:40	Low flow ECCOR: time to put it to rest?	Antonio Pesenti, Italy
09:40 - 10:00	Q & A	
10:00 - 10:20	<b>Key Note Address: ELSO's Vision for the Future</b> Plenary Session Moderators: Salman Abdul Aziz, Vivek Kakar, Benedict Griffith	Christine Stead, USA
10:20 - 10:40	Plenary Session - Life after ECMO: blessing or curse	Carol Hodgson, Australia
<b>10:40 - 11:00</b>	<b>Tea and Coffee Break</b>	
<b>(11:00 - 13:00) Plenary Session 5: ECMO Beyond Routine</b> Moderators: Dan Brodie, Gerry Capatos, Pranay Oza		
11:00 - 11:20	Cancer and ECMO: not IF anymore	Abdulrahman Al Fares, Kuwait
11:20 - 11:40	ECMO in Burns patients: just another challenge?	Ramanathan K, Singapore
11:40 - 12:00	A Novel Framework for Mobility of Patients Supported on ECMO	Aaron Thrush, UAE
12:00 - 12:20	ECMO in tropical diseases	Vivek Gupta, India
12:20 - 12:40	ECMO in high risk airway surgery	Brahim Housni, Morocco
12:40 - 13:00	Q & A	
<b>13:00 - 14:00</b>	<b>Lunch Break / Industry Session</b>	
13:00 - 13:30	<b>New frontiers in ECPR with COLIBRI: Innovations, challenges and future direction</b>	Mirko Belliato, Italy
14:00 - 15:00	<b>Best Oral Presentations</b> Moderators: Umar Khan, Khalid Makki, Alia Hassan	15:00 - 16:00 Poster Presentation
<b>(15:30-17:30) Plenary Session 6: Pro-Con Debate</b> Moderators: Ramanathan K, Ashraf Mahmoud Elhoufi		
15:30 - 16:10	ECMO versus Impella in isolated LV failure	Alain Combes versus Hussam Ghalib, France/UAE
16:10 - 16:50	ECMO versus Mechanical ventilation as a bridge to Lung transplant	Nicholas Barrett versus Alit Hussain UK/Qatar
16:50 - 17:30	Perfusion versus Nurse led ECMO program	Samira Al Maraghi versus Emad Hakami, Saudi Arabia
<b>17:30</b>	<b>End of Day 2</b>	

ADULT TRACK

Agenda Day 3

08th February 2025, Saturday  
Conrad Abu Dhabi Etihad Towers, UAE

TIME	TOPIC	SPEAKERS
07:30 - 08:25	Registration	
08:25 - 08:30	Welcome and Introduction	
<b>(08:30-10:30) Plenary Session 7: ECMO and Transplant</b> Moderators: Thomas Mueller, Ali Al Obaidli		
08:30 - 08:50	Brain Death Declaration on ECMO	Akram Abdelbary, Egypt
08:50 - 09:10	ECMO for Organ Preservation	Maria Paula Gomez, UAE
09:10 - 09:30	ECMO in Liver Transplant	Georg Auzinger, England
09:30 - 09:50	ECMO as a bridge to advanced heart failure therapies: Moving beyond crash and burn	Mitesh Badiwala, UAE
09:50 - 10:10	ECMO as a Bridge to Lung Tranplant	Fadi Hamed, UAE
10:10 - 10:30	Q & A	
09:00 - 10:00	SWAAC Country wise updates Moderator: Huda Alfoudri	
10:30 - 11:00	Tea and Cofee Break	
<b>(11:00-13:00) Plenary Session 8: Addressing the Dilemma on ECMO</b> Moderators: Alia Hassan, Umar Khan, Mahwish Ahmad, Obaid Al Jassim		
11:00 - 11:15	Ethics: What exactly is right question	Sultan Al Amri, Saudi Arabia
11:15 - 11:30	Is it time to discuss centralization of ECMO centers (Hub and Spoke vs. Hub of Hubs	Alain Combes, France
11:30 - 11:45	How old is too old for ECMO	Nazar Bukmal, Bahrain
11:45 - 12:00	ECMO in Septic Shock: Who is an ideal candidate?	Matthieu Schmidt, France
12:00 - 12:15	Antimicrobial stewardship on ECMO	Gordan Samoukovic, Canada
12:15 - 12:30	Contrast imaging on ECMO: the challenges	Gennaro Martucci, Italy
12:30 - 12:45	When to change the oxygenator	Salman Butt, UAE
12:45 - 13:00	Q & A	
13:00 - 14:00	Lunch Break / Industry Session	
13:00 - 13:30	Sepsis in the circuit: innovation in detection - procalcitonin perspective	John Fraser, Australia
<b>(14:00-16:00) Plenary Session 9: Future</b> Moderators: Antonio Pesenti, José L. Díaz-Gómez, Vivek Gupta		
14:00 - 14:20	Whats coming up in the next decade	John Fraser, Australia
14:20 - 14:40	Making a Business Case for ELSO Membership	Dan Brodie, USA
14:40 - 15:00	Research Priorities for the next 10-years	Darryl Abrams, USA
15:00 - 15:20	Virtual reality in ECMO education	Mark Ogino, USA
15:20 - 15:40	ECPR: Designing a perfect trial	Jan Belohlavek, Czech
15:40 - 16:00	Setting up a mobile ECMO service	Pranay Oza, India
16:00 - 17:00	Maasalama	Salman Abdulaziz, Vivek Kakar

**PEDIATRIC TRACK**

**Agenda Day 2**

**07th February 2025, Friday**  
 Conrad Abu Dhabi Etihad Towers, UAE

TIME	TOPIC	SPEAKERS
07:00 - 07:50	Registration	
07:50 - 08:00	Welcome and Introduction	
<b>Session 1: Getting the patient on</b> Moderators: Grace Leeuwen, Peter Roeleveld		
08:00 - 08:20	When to put a infant on ECMO	Jon Lillie, UK
08:20 - 08:40	Is ECMO really contraindicated in any child?	Matteo Di Nardo, Italy
08:40 - 09:00	How I retrieve on ECMO	Nada Al Jassim, Saudi Arabia
09:00 - 09:20	Cannulation in Paediatrics - Where are we now?	Ben Griffiths, UAE
09:20 - 09:40	Is OI an outdated tool? Round table discussion	All above morning speakers
09:40 - 10:00	Q and A	
10:00 - 11:00	Key Note Address: ELSO's Vision for the Future Plenary Session Moderators: Salman Abdul Aziz, Vivek Kakar, Benedict Griffith	Christine Stead, USA
11:00 - 11:30	Tea and Coffee Break	
<b>Session 2: The Run</b> Moderators: Musaab Al-Ramsi, Juan Pablo Montiel		
11:30 - 11:50	Bleeding on ECMO - a surgeons Perspective	Issam El Rassi, UAE
11:50 - 12:10	CDH - Repair on ECMO?	Naga Puppula, UAE
12:10 - 12:30	When I change the Circuit	Indira Jayakumar, India
12:30 - 12:50	The unhappy couple - ECMO and Sepsis	Yasser Kazzaz, Saudi Arabia
12:50 - 13:10	Q and A	
13:10 - 14:00	Lunch Break	
<b>Session 3: The Run continues</b> Moderators: Judith Till, Anil Tamiya		
14:00 - 14:20	ECPR - is guidance ever going to be possible?	Grace Leeuwen, Qatar
14:20 - 14:40	Is there such a thing as neuromonitoring on ECMO?	Peter Roeleveld, Holland
14:40 - 15:00	How I wean ECMO	Keseva Ramakrishnan, UAE
15:00 - 15:40	We don't need a bridge - Pro/Con debate	All Session 3 Speakers
15:40 - 16:00	Q and A	
16:00 - 16:30	Tea and Coffee Break	
<b>Session 4: Decannulation</b> Moderators: Victoria Sheward, Matteo Di Nardo		
16:30 - 16:50	How long is too long on ECMO?	Malaika Mendonca, Switzerland
16:50 - 17:10	End of life care on ECMO	Omer Al Dafaei, Oman
17:10 - 17:20	A Survivors story	SKMC patient, Abu Dhabi
17:20 - 17:40	Looking back and looking forward after nearly 50 years of peadiatric ECMO	The Audience
17:40 - 18:00	Q and A	
18:00	End of Day 2	

## WORKSHOP AGENDA

### ELSO Instructor Development

Train the Trainer ECMO Master Class  
Post-Conference

#### DAY 1 - 9th February 2025

**08:00 - 08:30 AM**  
Registration

**08:30 - 08:40 AM**  
Welcome and Introductions

**08:40 - 08:55 AM**  
The Role of an ELSO Trainer

**08:55 - 09:10 AM**  
Developing Comprehensive Simulation  
Scenarios

**09:10 - 09:25 AM**  
Creating an Immersive Simulation Environment

**09:25 - 09:40 AM**  
Coffee Break

**09:40 - 12:00 PM**  
Simulation Session

**12:00 - 13:00 PM**  
Networking Lunch

**13:00 - 13:15 PM**  
Implementing Structured Debrief

**13:15 - 15:35 PM**  
Simulation Session

**15:35 - 15:50 PM**  
Coffee Break

**15:50 - 16:05 PM**  
How to Integrate Self-Review and Peer  
Feedback

**16:05 - 17:30 PM**  
Simulation Session

**17:30 PM**  
End of Day 1

**9th - 10th February 2025**

Sim Centre, Cleveland Clinic,  
Abu Dhabi Hospital, UAE

#### DAY 2 - 10th February 2025

**08:30 - 08:35 AM**  
Welcome Day 2

**8:35 - 08:50 AM**  
Balancing Didactic and Simulation Training

**08:50 - 10:00 AM**  
Simulation Session

**10:00 - 10:15 AM**  
Coffee Break

**10:15 - 10:30 AM**  
Tailored Training:  
Multidisciplinary Adult Learners

**10:30 - 12:00 PM**  
Simulation Session

**12:00 - 13:00 PM**  
Networking Lunch

**13:00 - 14:30 PM**  
Simulation Session

**14:30 - 14:45 PM**  
Coffee Break

**14:45 - 16:00 PM**  
Simulation Session

**16:00 - 16:15 PM**  
Coffee Break

**16:15 - 17:00 PM**  
Simulation Session

**17:00 - 17:30 PM**  
Course Wrap Up Final Thoughts

## Poster Presentations

POSTER #	ABSTRACT TITLE	PRESENTER NAME
1	Acute Kidney Injury: Impact on ECMO Supported COVID-19 Patient Outcomes. Single Center Experience	Jurij Šabliauskas
2	Surgical Cutdown and Semi Seldinger Technique for Placement of Distal Perfusion Cannula After Percutaneous Cannulation in VA ECMO - Our Experience	Muhammed Shereef K
3	VV-ECMO Supported Liver Transplant in a Case of Fulminant Liver Failure	Rania Khalil
5	Single Centre Experience of Neonatal Multisite VV-ECMO - Intensivist-Led Percutaneous Cannulation with Ultrasound Guidance at the Bedside	Crawford Fulton
8	Outcomes of Obese Patients Supported with ECMO Due to SARS-CoV-2 Induced ARDS	Agne Jankuviene
9	Successful Outcome of VA-ECMO in Intra-Operative Ventricular Electrical Storm with Genetic Predisposition and Refractory to Multiple Defibrillations	Mary Ann Boniface
10	Modifications to ECLS Strategies to Achieve Positive Outcomes in Chronic Lung Disease	Maysa Said
11	Percutaneous Axillary Access for ECPR: Overcoming Challenging Femoral Access in Cardiogenic Shock - A Case Report	Imran Khawaja
12	Modifications of V-V ECMO in Situs Inversus Totalis - A Rare Case Report	Dr. Rajesh Kasimahanti
13	Challenging Prognostic Accuracy in ECPR: An Intriguing Case Study	Sumayya Roohi
14	Combined VV-ECMO and Independent Lung Ventilation for Hydatid Cyst: A Case Report	Mohammed Al Alawi
15	Successful Utilization of VV-ECMO in Severe Smoke Inhalation: A Life-Saving Intervention for a 17-Year-Old	Bisma Akbar
16	The Incidence of Neurological Complications in Pediatric Population Undergoing ECMO Support in a Major Cardiac Centre in the UAE	Eman Hamad
17	Personalized Approach to Respiratory Failure Management: Extra Corporeal CO <sub>2</sub> Removal (Ecco <sub>2</sub> R) and HFNC in Complex Kyphoscoliosis with Challenging Airway	Ahmed El Masry
18	A Challenging Case of Hypertrophic Obstructive Cardiomyopathy with Diffuse Alveolar Hemorrhage Managed by Veno-Venous ECMO	Yousef Alabrach
19	Epidemiology of Nosocomial Bloodstream Infections in COVID-19 Patients Receiving ECMO: A Retrospective Study from Qatar	Ali Ait Hssain
20	Bridging the Training Gap: A Multimodal Educational Boot Camp for Physician Fellows in Pediatric ECMO	Kamal Abulebda

## Poster Presentations

POSTER #	ABSTRACT TITLE	PRESENTER NAME
21	ECMO: A Lifeline for Complex Airway Obstructions	Mugahid Eltahir
22	ECMO in a Near Drowning Patient with Respiratory Failure	Mohamed Zuhail
23	Successful Use of VV-ECMO for Retrieval and Peri-Operative Support for a Severe Traumatic Tracheobronchial Injury: Case Report	Amani Ali
24	A Novel Approach Using Venous-Arterial Extracorporeal Membrane Oxygenation (VA ECMO) for Massive Retrosternal Goiter with Stridor	Arjun Sreekumar
26	Interdisciplinary Collaboration for VV-ECMO Insertion in a Polytrauma Patient: A Case Report	Mohamed Sobhi
28	From Crisis to Control: Managing Right Heart Chamber Thrombus with Temporary IVC Filter on Patient with VA-ECMO: A Case Report	Imran Khawaja
31	Overdrive Pacing: A Lifeline in Refractory Electrical Storm for Patients on VA ECMO	Eslam Ali
32	Experience of the Implementation of the First Moroccan ECMO Center	Younes Oujidi
33	ECMO as a Bridge to Recovery in Children with Severe Necrotizing Pneumonia: Case Report	Sajjad Alkadhem
29	Use of ECMO to Manage Severe Life-Threatening Postpartum Hypoxia Associated with Agenesis of the Right Pulmonary Artery: A Case Report	Matteo Peroncini
34	Journey of a Braveheart Kid on Multiple ECMO Runs for Post Viral Pneumonia - A Case Report	Selvakumar Rajamani
35	ECMO Support for Post-Rickettsia Infection and Its Successful Outcome - A Case Report	Palaghat Venkatachalam Saptharishi Prakash
36	Extracorporeal Membrane Oxygenation Circuit Challenges and Troubleshooting - Our Experience	Palaghat Venkatachalam Saptharishi Prakash
37	Awake VA-ECMO for Circulatory Support as a Bridge to Ablation of Ventricular Tachycardia (VT) Storm, Case Report Overview	Maysa Said
38	Successful Application of Heparin-Free VV-ECMO in a Multiple Trauma Patient: A Case Report	Mohamed Sobhi
39	When a Simple Procedure Becomes a Dilemma on ECMO: Case Report	Mohsen Alzamanan
40	Pediatric ECMO Practice & Challenges in Saudi Arabia (SA) & Gulf Cooperation Council (GCC) Countries	Nooralhuda Hadab



## Poster Presentations

POSTER #	ABSTRACT TITLE	PRESENTER NAME
41	Innovative Blood Salvaging Strategies to Improve Outcomes in ECMO	Anum Khan
42	Modified ECMO in Pediatric and Neonatal Patients: A Cost-Effective Solution for Post-Cardiotomy Shock Management	Thilak Bv
43	Unusual Cause of Persistent Refractory Hypoxemia Requiring ECMO Support	Abubaker Alkalifa
44	Effective Management of Severe Acute Respiratory Distress Syndrome Due to Eclampsia and Bronchial Asthma Using ECMO at 26 Weeks of Gestation	Jennifer Gaño
45	Unmasking the Hidden Threat: The Role of VA ECMO in Managing Masked Obstructive Shock	Mahmoud Jaber
46	Preemptive ECMO in High-Risk Patients for Catheter Ablation for Ventricular Tachycardia: A Single Center Experience	Moroz Gleb
48	Challenges During VV-ECMO in a Severely Obese Patient with Influenza-A	Sahar Abdallah Hassan Abdallah
49	Surviving Acute Fulminant Myocarditis: A Case Report on ECMO and Advanced Surgical Interventions	Takwa Abdo
50	Sudden and Acute Deterioration Post-VA ECMO Decannulation in Celphos Poisoning: A Case of Refractory Cardiogenic Shock and Neurological Injury	Vijayant Solanki
51	Doing More with Less - A Cost-Effective Strategy for the ECMO Program	Muhammed Shereef K
52	Enhancing Toxicology Outcomes with Combined Extracorporeal Therapies: A Path to Success	Bharath Kumar Pamulapati
53	Outcomes of ECMO in Cardiorespiratory Failure: A Single Centre Retrospective Study	Balasubrahmanyam Chandrabhatla
54	Epidemiology and Clinical Outcomes of Nosocomial Bloodstream Infections in ECMO Patients in Qatar: A Seven-Year Retrospective Analysis	Ali Ait Hssain
55	Novel Techniques to Treat Harlequin Syndrome and Determine Brain Death on Peripheral VA ECMO	Nathan Peffley
56	Veno-Arterial ECMO for the Management of an Atypical Course of Hypertensive Crisis: A Case Report	Mahmoud Abouaggour
57	Novel Biomimetic Oxygenator Design for ECMO	Szymon Skoczyński
58	A Membrane Made of Organic Material with Pore-Forming, Anti-Inflammatory and Anticoagulant Properties for a New Oxygenator in ECMO	Andrzej Swinarew
59	Heart Under Pressure: Transforming LV Venting with Catheter Techniques	Imran Khawaja

# Speakers' Biography



## Speakers' Biography



**Dr. Darryl Abrams**  
Associate Professor of Medicine  
New York - Presbyterian;  
Columbia University Irving  
Medical Center, USA

Darryl Abrams is an Associate Professor of Medicine, medical intensivist and medical ECMO attending at NewYork-Presbyterian/Columbia University Irving Medical Center. Dr. Abrams received his undergraduate degree from Brown University, his medical degree from SUNY Stony Brook School of Medicine, and was a resident, chief resident, and pulmonary/critical care fellow at NYP/Columbia. He is currently the Associate Medical Director and Director of Research for the Medical ECMO Program within the Center for Acute Respiratory Failure at NYP/Columbia. Dr. Abrams' research has focused on ECLS for acute and chronic respiratory failure and pulmonary hypertension, with particular interests in early mobilization during extracorporeal support, optimization of invasive mechanical ventilation for ARDS during ECLS, and the ethical implications of increasingly sophisticated life-sustaining technologies.



**Dr. Huda Al-Foudri**  
Consultant Anaesthetist and  
Head of the Department of  
Anaesthesia, Critical Care  
Pain Management  
Adan Hospital, Kuwait

Dr. Al-Foudri graduated from Leeds medical School in 1998. She completed anaesthetic and intensive care training in South East Scotland School of anaesthesia and Welsh School of Anaesthesia during which obtained the FCARCSI from Dublin in 2007. She also obtained CCT in anaesthesia from the RCOA/ UK in December 2011. She has a great passion for medical education and particularly medical simulation. She established a number of training courses locally including ELSO endorsed ECMO comprehensive simulation course as well as organizing and running multiple training courses and workshops in the field of anaesthesia and critical care with particular focus on safety and quality of care.

### Positions:

- Head of Kuwait Council of Anaesthesia, Critical Care and Pain Management since September 2022.
- Consultant and Head of Department of Anaesthesia, Critical Care, and Pain Management. Al-Adan Hospital. MOH. Kuwait (Since August 2014).
- Program Director of AL-Adan Hospital ECLS Centre. MOH. Kuwait (registered with ELSO since 2017)
- Member at Large and Chair of Education, Communication and simulation Sub-Committee. SWAACELSO Steering Group.
- Current President of South West Asia and Africa Chapter of the Extracorporeal Life Support Organization (SWAAC ELSO)
- AHA Training Centre Faculty (TCF), instructor and Course Director for the ACLS discipline. AHA Training Centre. EMS Sabhan. MOH. Kuwait
- National Surveyor for the National Hospital Accreditation Program. MOH. Kuwait
- Past Deputy Head of the National ECMO Committee at the Ministry of health. Kuwait

## Speakers' Biography



### **Dr. Mirko Belliato**

Director of the Second Anesthesia  
Department & Cardiothoracic ICU  
President of EUROELSO  
Foundation IRCCS Policlinico  
San Matteo, Italy

Mirko Belliato is Director of the 2nd Anesthesia and of the Cardiothoracic ICU of Foundation IRCCS Policlinico San Matteo of Pavia Italy, Adjunct Professor of Anaesthesiology and Intensive Care at the Perfusionist School of the University of Pavia, Italy. In 2008, Dr. Belliato became formally involved in the initiation of the ECMO project at the Foundation IRCCS Policlinico San Matteo. Since 2009, he has been part of the ECMO team for all types of extracorporeal support and in 2014, he was conferred the "High Specialty" position as leader of the ECMO respiratory support team. From September 2017 to June 2020, he was the chief of the Advanced Respiratory Intensive Care Unit with ECMO capability, at Foundation IRCCS Policlinico San Matteo of Pavia, Italy. On January 2023 obtained a PhD degree with the topic "ECMO for respiratory failure" at the Heart & Vascular Centre Maastricht University Medical Centre (MUMC+) and Cardiovascular Research Institute Maastricht (CARIM), University of Limburg (Maastricht, The Netherlands). In 2016, he was appointed as leader of the EuroELSO workgroup for "Innovation on ECMO and ECLS". In the 2019 he is elected as member of the Steering Committee of EuroELSO.



### **Dr. Duane Carl Caneva**

Advisor, Centre of Emergency  
Preparedness & Response  
Department of Health  
Abu Dhabi, UAE

Dr. Duane Caneva currently serves as an Advisor the Abu Dhabi Department of Health Center of Emergency Preparedness and Response. He served in the U.S. Government for over 30 years including service in the U.S. Navy. He has served at a variety of positions including as physician to the U.S. Navy SEALs, Undersea Medical Officer on a nuclear submarine, Senior Medical Officer for the U.S. Marines Chemical Biological Incident Response Force (CBIRF), and details to the White House National Security Council staff working on Biodefense and Medical Preparedness strategy and policy. He finished his U.S. Government service as Chief Medical Officer of the Department of Homeland Security. He holds a Medical Degree from the University of Chicago and a Masters of Science in National Security from the National War College.

## Speakers' Biography



**Prof. Roberto Lurosso**

Surgeon - Cardiothoracic  
 Cardio-Thoracic Surgery  
 Department Heart & Vascular Centre  
 Maastricht University Medical Centre,  
 The Netherlands

Medical graduation (1987) at the University of Milan (Italy) with 110/110 cum laude; -Cardiovascular surgery degree in 1993; -Young Investigator's Award from the European Association of Cardio-Thoracic Surgery in 1995; -PhD in Maastricht in 1998; -Scientific Secretary of the Italian Society of Cardiac Surgery (2007-2008); -Director of the School of the European Association for Cardio-Thoracic Surgery from 2009 to 2012; -Founder the European Chapter (Euro-ELSO) of the Extracorporeal Life Support Organization (ELSO) and organizer of the 1st congress in Rome, Italy (2012) and the 7th congress in Maastricht, The Netherlands; -Director of the ECLS Program at the Maastricht University Medical Centre from 2015; -Full Professor of Cardiac Surgery and Extracorporeal Life Support at the Maastricht University; Interim Director of the Cardio-Thoracic Surgery Dept. Maastricht University Medical Centre, Maastricht, The Netherlands.

-Chair of the Task Force of the EACTS/ELSO/STS/AATS Expert Consensus (post-cardiotomy ECLS in adult patients);-Chair of the ELSO for the 2021 Interim Guidelines on ECLS in cardiac setting - President of Euro-ELSO (2015-2017); -FELSO from 2018, and FESC from 2024; -Chair of the Cardiovascular Surgery Working Group Nucleus of the European Society of Cardiology;

-Editor-in-Chief of the Multi-Media Manual of Cardio-Thoracic Surgery (EACTS);-Principal Investigator of many international clinical and pre-clinical studies; -Recipient of several grants for pre-clinical and clinical researches and projects; -Member of the Dutch Cardio-Thoracic Surgery Society, Italian Cardiac Surgery Society, Society of Thoracic Surgery, European Society of Cardiology, Heart Failure Association, American Association of Thoracic Surgery, Extracorporeal Life Support Organization; -Involved in clinical and pre-clinical research, with more than 1100 publications, of whom more than 700 in PubMed.F7



**Dr. Eddy Fan**

Associate Professor,  
 Interdepartmental Division of Critical Care Medicine and the  
 Institute of Health Policy,  
 Management and Evaluation, University of Toronto  
 Staff Intensivist, University Health Network/ Mount Sinai Hospital,  
 Canada

Eddy Fan is a Professor in the Interdepartmental Division of Critical Care Medicine and the Institute of Health Policy, Management and Evaluation at the University of Toronto and a Staff Intensivist at the University Health Network/Mount Sinai Hospital. Dr. Fan received his undergraduate degree from the University of Toronto, his medical degree from the University of Western Ontario and a PhD in Clinical Investigation from Johns Hopkins University. He is currently the Medical Director of the Extracorporeal Life Support Program at the Toronto General Hospital. Dr. Fan's research has focused on advanced life support for acute respiratory failure and patient outcomes from critical illness.

## Speakers' Biography



### Dr. Hassan Alnuaimat

Staff Physician &  
Director of the Pulmonary  
Hypertension Program  
Cleveland Clinic,  
Abu Dhabi, UAE

Dr. Hassan Alnuaimat is a Consultant Staff Physician who is specialized in Pulmonary and Critical Care Medicine. He is the Director of the Pulmonary Hypertension Program at Cleveland Clinic Abu Dhabi. Prior to joining Cleveland Clinic Abu Dhabi, Dr. Alnuaimat was a Professor of Medicine in the Division of Pulmonary and Critical Care Medicine at the University of Florida in Gainesville, Florida, USA. Dr. Alnuaimat completed medical school at the University of Jordan School of Medicine in Amman Jordan and completed residency in Internal Medicine and Pulmonary Critical Care Fellowship at the University of Florida in Gainesville, Florida. Dr. Alnuaimat has advanced specialization in Pulmonary Hypertension, Lung Transplantation and ECMO support. He was the founder and Director of the PHA comprehensive care center for Pulmonary Hypertension Program at the University of Florida. He was a leader in the 5th highest volume lung transplant program in the United States. Dr. Alnuaimat was the Director of the Respiratory ECMO Program.

Dr. Alnuaimat is a well accomplished researcher. He has authored numerous research articles in leading peer-reviewed journals. Dr. Alnuaimat has lectured at, and his research work was presented in, numerous scientific meetings. He is an excellent clinical educator and has received numerous teaching awards.



### Prof. John F Fraser

Professor & Pre-Eminent Specialist in Intensive Care Medicine,  
The Prince Charles Hospital, Brisbane  
Director of the Critical Care Research Group, University of Queensland &  
The Prince Charles Hospital, Brisbane  
Director of Intensive Care Unit, St Andrew's War Memorial Hospital,  
Brisbane, Australia

Professor John F Fraser MB ChB PhD FRCP(Glas) FFARCSI FCICM FELS is Founder and Director of the Critical Care Research Group at The Prince Charles Hospital and The University of Queensland, Director of the Intensive Care Unit at St Andrew's War Memorial Hospital, and President of the Asia Pacific Extracorporeal Life Support Organisation. Established in 2004, the Critical Care Research Group (CCRG) is Australia's largest multi-disciplinary critical care research facility. CCRG consists of more than eighty leading clinicians, engineers, scientists, statisticians, and support staff connected to all major international cardiothoracic hospitals. CCRG has seven purpose-built biology, engineering, and bio-fabrication laboratories, as well as the largest preclinical ICU in the southern hemisphere. He has a strong successful record in founding translational research from inhalable epinephrine pens for anaphylaxis (<https://demotucordis.co/>) and co-founding with Dr. Daniel Timms (the inventor) Bionic Hearts (<https://bivacor.com/>). His group recently completed a 5 year body of work demonstrating new devices that could keep donor hearts alive form more than 10 hours, and this study subsequently led to human study with a 100% survival with hearts transplanted off a rig. In January 2020, Fraser founded the COVID-19 Critical Care Consortium with colleagues A/Prof Gianluigi LiBassi and Dr Jacky Suen. The Consortium facilitates the systematic collection of aggregate data from COVID-19 ICU patients to assist ICU clinicians in deciding treatment pathways for their patients. The Consortium has collected more than 55 million datapoints from 470 hospitals in 67 countries creating the world's most in-depth database of COVID-19 critically ill patients. The Journal of the American Medical Association has acknowledged the 'quantum change' the Consortium has made to data collection. John has five professorships across major Australian universities, has published over 550 peer-reviewed publications; received more than AUD 80 million in competitive grants; been invited to deliver over 200 national and international lectures and co-wrote and edited the most comprehensive textbook on Mechanical Circulatory Support. In 2018, John was awarded the Australian Society of Medical Research Clinical Research Award.

## Speakers' Biography



### Prof. Alain Combes

Professor of Intensive Care Medicine at Sorbonne Université, Paris  
Head of the ICU department at La Pitié-Salpêtrière Hospital, Assistance Publique Hôpitaux de Paris, France

Professor Alain Combes, MD, PhD is Professor of Intensive Care Medicine at Sorbonne Université, Paris, and head of the ICU department at La Pitié-Salpêtrière Hospital, Assistance Publique Hôpitaux de Paris, France.

Main research interests:

- Care of the critically ill cardiac patient (cardiogenic shock, acute myocardial infarction, cardiac arrest, complicated heart surgery and heart transplantation)
- Mechanical circulatory assistance and extracorporeal membrane oxygenation
- Rescue therapies for severe respiratory failure, including ECMO and ECCO2R
- Infections in critically patients, such as pulmonary infections in mechanically ventilated ICU patients and endocarditis.



### Dr. José L. Díaz-Gómez, MD, MAS, NCC (UCNS), FASE, FCCM

Integrated Hospital Care Institute (IHI) Chair  
Cleveland Clinic,  
Abu Dhabi, UAE

José L. Díaz-Gómez is the Section Chief, Cardiothoracic, Circulatory Support, and Transplant Critical Care, the Anesthesia/Critical Care Medicine Fellowship Program Director, and the Director of Critical Care Echocardiography at The Texas Heart Institute - Baylor St Luke's Medical Center, Houston, Texas. Dr. Díaz-Gómez completed his medical training at the Universidad Pontificia Bolivariana, Colombia, and a post-graduate anesthesiology residency at Cleveland Clinic in Cleveland, Ohio. He then completed a critical care fellowship at the Massachusetts General Hospital in Boston, Massachusetts. He also pursued further training in cardiac anesthesia at Cleveland Clinic in Cleveland, Ohio. He is board-certified by the American Board of Anesthesiology, with added qualifications in neurocritical care (United Council of Neurological Specialties), and the National Board of Echocardiography (NBE) - Advanced Perioperative Transesophageal Echocardiography and Comprehensive Echocardiography.

Dr. Díaz-Gómez's research contributions include over 65 peer-reviewed publications in critical care medicine and ultrasonography; an edited book in Critical Care Ultrasonography and pre-requisite Cardiac POCUS booklet; a dozen non-peer reviewed publications and a dozen book chapters. He currently co-leads the upcoming critical care ultrasonography guidelines within the society of Critical Care Medicine. And he serves as co-chair of a forthcoming POCUS Nomenclature Statement by the American Society of Echocardiography. Lastly, Dr. Díaz-Gómez is finalizing a Master's in Healthcare Quality at the Bloomberg School of Public Health at John Hopkins University.

## Speakers' Biography



**Dr. Ahmed Hegazy**  
 Consultant, Critical Care  
 Medicine University of Western  
 Ontario, Canada  
 King Faisal Specialist Hospital  
 and Research Centre, Riyadh,  
 Saudi Arabia

Dr. Ahmed Hegazy is the current Head of Cardiac Surgery Intensive Care Unit (CSICU-Adult) at Madinah Cardiac Centre, Madinah, KSA. He is also a Cardiac Critical Care Consultant and Cardiac Anesthesiologist at London Health Sciences Centre (Canada) and an Associate Professor of Anesthesiology and Critical Care Medicine at the University of Western Ontario, Canada.

Dr. Hegazy holds a Masters in Public Health from the Harvard School of Public Health, Advanced Perioperative TEE certification from the National Board of Echocardiography, and is dual Royal College certified in both anesthesia and critical care. He served as the co-chair of the ECMO Steering Committee at King Faisal Specialist Hospital & Research Centre (KFSHRC), Riyadh and co-authored the ECMO institutional guidelines both in KFSHRC, Saudi Arabia and previously at LHSC, Canada. He is the current Head of Intensive Care at the Madinah Cardiac Centre, and he maintains a part-time cardiac critical care position with London Health Sciences Centre, Canada. He has authored multiple research articles and book chapters in the fields of point-of-care ultrasound, cardiac critical care, and resuscitation science.



**Prof. Matthieu Schmidt**  
 Professor of Intensive Care  
 Medicine Sorbonne University,  
 France

Matthieu Schmidt is a full professor in Intensive Care at the Pitié-Salpêtrière Hospital, Paris. Its medical ICU is considered one of the largest ECMO centers worldwide. His research interests span the fields of cardiogenic shock, mechanical circulatory assistance, rescue therapies for severe ARDS, including ECMO, and mechanical ventilation. He is the investigator for multiple ongoing studies, including randomized controlled trials in the ECMO field, and is the author of more than 270 scientific publications and numerous book chapters. He is an active member of the ECMonet (international ECMO network), a member of the steering committee of the EuroELSO, and the past chair of the scientific committee of the EuroELSO.



**Dr. Akram Mohamed  
 Abdel-Bary Ahmed**  
 Professor of Critical Care  
 Cairo University, Egypt

Professor of critical care and director of ECMO unit, Cairo University. Consultant critical care, ECMO, and interventional cardiology., President of SWAAC ELSO 2021-2022. ECMO lead in Egypt started in 2014 till current. Designed one of a kind comprehensive dedicated ECMO unit which is the main service provider in Egypt located in Cairo university. Director of the ELSO endorsed comprehensive course in Cairo, Egypt.



## Speakers' Biography



### Dr. Kiran Shekar

Senior Intensive Care Specialist,  
Director of Research in the Adult Intensive Care Service  
Prince Charles Hospital & Associate Professor  
Prince Charles Hospital Northside Clinical Unit,  
University of Queensland,  
Australia

Kiran Shekar is a Senior Intensive Care Specialist and Director of Research at the Prince Charles Hospital, Brisbane, Queensland, Australia. He holds academic appointments as Professor at University of Queensland, Adjunct Professor at Queensland University of Technology and Associate Professor at Bond University, Gold Coast, Australia. Shekar is passionate about addressing the global variability in intensive care and extracorporeal life support (ECLS) outcomes through innovation, research, and education. His research interests include pathophysiology of cardiorespiratory failure, ECLS and mechanical circulatory support. His PhD work, "The ECMO PK Project" resulted in an advanced understanding of altered PK/PD on ECMO and provided doing guidance for commonly used antimicrobial and sedative drugs. His ongoing research program "The No Tube Project" aims to integrate less invasive respiratory supports with ECLS to provide more personalized respiratory support and to minimise the burden of invasive mechanical ventilation. Shekar is an active contributor to the Extracorporeal Life Support Organisation (ELSO) through his research and educational engagements. He is a member of the Asia-Pacific ELSO Education Committee and is the Course Director of an ELSO endorsed ECMO course. He is the research lead for ELSO Education Taskforce and as a member of the scientific committee of the International ECMO Network, he contributes to global collaborative research in ECMO.



### Prof. Yaseen Arabi, MD, FCCP, FCCM, ATSF

Chairman, Intensive Care Department  
Professor, King Saud Bin Abdulaziz University  
Medical Director, Respiratory Services, King Abdulaziz Medical City  
Ministry of National Guard Health Affairs  
Riyadh, Kingdom of Saudi Arabia

Dr. Arabi is recognized leader in critical care research and in the area of randomized controlled trial sepsis, mechanical ventilation, Coronavirus disease (COVID-19), and Middle East respiratory syndrome coronavirus (MERS CoV) research. He has lead multiple randomized controlled trials that were published in the leading medical journals. He has conducted the PREVENT trial ("Prophylaxis of Thromboembolism in Critically Ill Patients Using Combined Intermittent Pneumatic Compression and Pharmacologic Prophylaxis versus Pharmacologic Prophylaxis Alone: A Multicenter Randomized Controlled Trial"), MIRACLE trial ("MERS-CoV Infection Treated with a Combination of Lopinavir/Ritonavir and Interferon Beta 1B: A Placebo-Controlled, Double-Blind Randomized") PERMIT trial (The Impact of Permissive Underfeeding versus Target Enteral Feeding on Mortality and Morbidity in Adult Critically Ill Patients: a Multicenter Randomized Controlled Trial"), all published in the New England Journal of Medicine (NJEM). He collaborated with the Australian and New Zealand Intensive Care Society (ANZICS), and the Canadian Critical Care Trials Group (CCCTG) on multiple major controlled trials. Dr. Arabi leadership has been recognized in multiple awards; including the Saudi Universities Excellence Award in Scientific Productivity per Web of Science Medical Sciences and Ministry of Health Pioneer Research Award (2019), Distinguished Scientist Award from Almarai (2017), Distinguished Scientist Award from Almarai Award for Innovation (2017), 2nd Annual Lifetime Achievement Award from the Saudi Critical Care Society (SCCS) (2013), Bary A. Shapiro Memorial Award for Excellence in Critical Care Management, Society of Critical Care Medicine, USA (2011). He has published over 500 peer-reviewed journals and has cited more than 52,000 times with H index of 100 and I index of 336. He is currently the chair of the Saudi Critical Care Trials Group (SCCTG). He has been working on building capacity in critical care research through the conduction of the BASIC Research Course for Critical Care and the BASIC Research Coordination Course.

## Speakers' Biography



**Dr. Ibrahim Fawzy Hassan**

Chief, Medicine Critical Care  
 Division ECMO Program  
 Director, Deputy Medical Director  
 Ambulance Service Hamad Medical Corporation  
 Associate Professor Clinical Medicine Weill Cornell Medical College,  
 Qatar

Dr. Ibrahim Fawzy Hassan serves as the current Medical Director of Aisha Bint Hamad Al-Attiyah Hospital (AAH) under Hamad Medical Corporation. A distinguished graduate of the National Medical University, he completed his Residency and Fellowship at New York-Presbyterian Hospital of Weill Cornell Medical College, where he was honored as Chief Resident at Memorial Sloan Kettering Cancer Center and received the prestigious Alpha Omega Alpha Award as "Best Resident" in 2007. Dr. Fawzy has significantly contributed to Qatar's healthcare landscape, starting as the Director of the Medical Critical Care Division at Hamad General Hospital and later serving as the Corporate Director for Critical Care Center. He played a pivotal role in shaping Qatar's critical care strategies and founded the Qatar Mobile SRF-ECMO Program in 2014. That same year, he was named "The Young Clinician of the Year in the Middle East" by Arab Health and Cleveland Clinic. Renowned for his expertise in severe respiratory failure and critical patient transport, Dr. Fawzy continues to advance medical innovation and excellence in patient care, solidifying his role as a leader in Qatar's healthcare system.



**Dr. Ramanathan K R**

Adult Cardiac Intensivist at the  
 Cardiothoracic Intensive Care Unit  
 (CTICU), National University Heart  
 Center (NUHCS),  
 Singapore

Associate Professor Ramanathan is an Adult Cardiac Intensivist at the Cardiothoracic Intensive Care Unit (CTICU) at the National University Heart Centre, Singapore (NUHCS). He had his specialty training in Cardiac Anaesthesiology from India and is trained in Intensive Care Medicine from Brisbane, Australia. A/Prof. Ramanathan is closely associated with the National ECMO Workgroup at the Ministry of Health in Singapore. He currently chairs the Publications Committee at the Extracorporeal Life Support Organisation (ELSO), USA and is the ex-chair of the Scientific Oversight Committee and the Data Review Committee at the ELSO. He is the regional mentor for European Diploma in Echocardiography trainees and is the approved supervisor of training for CICM, Australia.



**Dr. Thomas Mueller**

Consultant of Intensive Care  
 Medicine and Pneumology  
 University Medical Centre,  
 Regensburg, Germany

Prof. Dr. Thomas Müller is Consultant of Intensive Care Medicine and Pneumology at the University Hospital Regensburg (UKR), where he heads the Medical ICU since 2002. UKR is ELSO Centre of Excellence and one of Germany's most active ECMO Centres with about 200 ECMO runs per year. He was one of the founding members of EuroELSO in 2011 and of ECMOnet. In 2015 he hosted the 4th International EuroELSO Congress in Regensburg. In 2019 he was bestowed an honorary fellowship of the Extracorporeal Life Support Organization (FELSO). Since 2023, he is a Board member of ELSO. His special professional interests include the treatment of severe acute lung failure and the management of patients post resuscitation. Since 1996 his department is engaged in the optimization of miniaturized ECMO devices in use for severe ARDS, circulatory failure and CO2 removal. A focus of research is set on a better understanding of complications of ECLS.

## Speakers' Biography



**Dr. Marlice Van Dyk**  
Specialist Anaesthesiologist &  
Intensivist Netcare Unitas Hospital,  
South Africa

Currently practising as a Specialist Anaesthetist and Intensivist, Dr. Van Dyk's interests lie in Critical Care. This passion and determination in her field have culminated in Dr van Dyk spearheading the establishment of the ELSO accredited ECMO Centre at Netcare Unitas Hospital. As the director of the ECMO Centre, Dr. Van Dyk runs numerous training sessions and continues to strive for excellence in this field. Dr van Dyk is also the chairperson of ECMO SA.



**Prof. Antonio Pesenti**  
Emeritus Professor  
University of Milan,  
Italy

After the Medical Degree in 1976, he completed his fellowship at NIH, Section of Cardiac and Pulmonary Assist Devices in Bethesda under the leadership of Dr Theodor Kolobow, "the pioneer" of the extracorporeal respiratory support. In 1979, he took his Board Certificate in Anesthesiology and Intensive Care at the University of Milan. In 1992, he became Associate Professor of Anesthesiology and Intensive Care at University of Milan and then he was promoted to Full Professor at Milano-Bicocca University in 2001 and moved to University of Milan in 2015. He has served as Director of the post-graduate school of Anesthesiology and Intensive Care at Milano-Bicocca University (1999-2015) and Director of the School of Medicine at Milano-Bicocca University (2013-2015). He has served as Chief of the Department of Anesthesia and intensive care since 1993 in Monza and after 2015 in Milan. He retired in 2022 and was made a Professor Emeritus.



**Ms. Christine Stead**  
CEO, ELSO and Adjunct Instructor  
University of Michigan School of  
Public Health, USA

Christine has spent her career in roles that improve the lives of others: healthcare, education, and in community roles. Christine strives to create opportunity, inspire change, and support the teams and people around her so that more is possible. She is committed to being a global steward for access to care for the sickest patients, working with health systems, regulatory agencies, and others. Christine is a strong advocate for diversity to engender shared experiences, trust, and the tactics to move the bar.

## Speakers' Biography



**Prof. Carol Hodgson**

Head of the Division - Clinical Trials and Cohort Studies,  
 School of Public Health and Preventive Medicine  
 Deputy Director of the Australian &  
 New Zealand Intensive Care Research Centre Monash University,  
 Melbourne, Australia

Professor Carol Hodgson is a clinical trialist with particular expertise in long-term outcomes after critical illness. She leads, as Director, Monash Partners Academic Health Science Centre which aims to ensure research is implemented and translated into healthcare to improve patient outcomes. She is Head of the Division of Clinical Trials and Cohort Studies in the School of Public Health and Preventive Medicine, and Deputy Director of the Australian and New Zealand Intensive Care Research Centre, Monash University. She is Chair-elect of the International ECMO Network. She has worked in ICU at Alfred Health for over 25 years where she is a Specialist Physiotherapist.



**Dr. Abdulrahman Al Fares**

Chair Department of  
 Anesthesia Critical Care Medicine  
 and Pain Medicine  
 Director of Kuwait Extracorporeal  
 Life Support Program  
 Ministry Of Health, Kuwait

Dr. Al-Fares graduated from the University of Birmingham Medical School, UK in 2003, and then pursued training in Internal Medicine and Critical Care, where he obtained MRCP UK in 2011, followed by a residency in Internal medicine in McGill 2012, Critical Care at the University of Toronto in 2015 and obtained ABIM and FRCPC in Internal Medicine and Critical care in 2016 and 2017, respectively. He then pursued further training in Extracorporeal Life Support and Critical Care Echocardiography at the University of Toronto and obtain certification from the National Board of Echocardiography. He is currently the Chair of the Department of Anesthesia, Critical Care Medicine and Pain Medicine and the Director of Kuwait Extracorporeal Life Support Program, Al-Amiri Hospital, Ministry of Health, Kuwait.



**Dr. Aaron Thrush**

Pulmonary Physical Therapy  
 Specialist, Cleveland Clinic,  
 Abu Dhabi, UAE

Aaron Thrush is a critical care physical therapist at Cleveland Clinic Abu Dhabi, where he also serves as the Rehabilitation Education Specialist and a clinical researcher. He is board-certified as a cardiovascular and pulmonary physical therapy specialist by the American Board of Physical Therapy Specialties. Aaron is a Clinical Content Expert and Research and Evidence-Based Practice Chair for the Academy of Cardiovascular and Pulmonary Physical Therapy in the United States. He earned a Doctor of Physical Therapy from Arcadia University, a Master of Public Health (Global Health concentration) from Johns Hopkins Bloomberg School of Public Health, and is currently pursuing a Ph.D. in Movement Science at Arcadia University (USA).

## Speakers' Biography



**Dr. Vivek Gupta**

Consultant Cardiac Anaesthesia  
& Intensive Care ECMO Physician  
Dayanand Medical College &  
Hospital, India

Dr. Vivek Gupta is working as Consultant in department of Cardiac Anaesthesia & Intensive Care at Dayanand Medical College & Hospital, Hero DMC Heart Institute Ludhiana. He is having clinical experience of more than 25 years including anaesthesia administration and postoperative management in complex cardiac surgical procedures, cardiac intensive care management including advanced mechanical ventilation, haemodynamic monitoring and renal replacement therapies. He has been awarded cardiac anaesthesia fellowship and fellowship of Indian college of critical care medicine. He is Director ECMO program and has extensive experience of ECMO management. He is pioneer for use of ECMO in aluminium phosphide poisoning. He has more than 30 research publications including review articles. He has written more than 20 chapters in various critical care and ECMO books. He has delivered more than 100 lectures in various national and international conferences. He is teacher for fellowship course of cardiac anaesthesia, critical care courses and ECMO training courses. Presently he is President of ECMO society of India and Chairman, Research & Ethics Committee SWAAC ELSO (South West Asian African chapter of Extra Corporeal Life Support Organization). He is actively involved in developing Indian ECMO guidelines under ECMO society of India. He is editor for ISCCM ECMO CRRT Book, section editor for API text book of medicine 2016 and many more books of anaesthesia & critical care. He is faculty & core member of Indian Resuscitation Council Federation. His area of interest is quality, safety and innovation in health care.



**Dr. Brahim Housni**

Head of the Anesthesia and  
Intensive Care Department at  
CHU Mohammed VI-OUJDA  
Director of the Medical Simulation  
Training Center of the Oriental  
(CFMSO), Morocco

- Higher education professor
- Anesthesia-resuscitation, emergency medicine, pain and palliative care
- Faculty of Medicine and Pharmacy, Mohammed I-OUJDA University
- Head of anesthesia-resuscitation department
- CHU Mohammed VI-OUJDA
- Several scientific publications



**Dr. Hussam Ghalib**

Staff Physician in the Heart,  
Vascular & Thoracic Institute  
Cleveland Clinic,  
Abu Dhabi, UAE

Dr. Hussam Ghalib, MD, is a Consultant Cardiologist within the Section of Heart Failure & Transplantation in the Heart, Vascular & Thoracic Institute at Cleveland Clinic Abu Dhabi. Prior to joining Cleveland Clinic Abu Dhabi, Dr. Ghalib was at the University of California Los Angeles Medical Center, where he specialized in Cardiovascular Medicine, Advanced Cardiac Imaging and Advanced Heart Failure Management. Dr. Ghalib received his medical degree from Johns Hopkins University School of Medicine, Baltimore, Maryland, USA. He completed his residency in Internal Medicine at the University of Michigan Health System, Ann Arbor, Michigan, USA. He then served on faculty in the Department of Internal Medicine at the University of Michigan Hospital for two years. He then completed a Cardiovascular Medicine fellowship at UCLA Medical Center, Los Angeles, California. Since joining Cleveland Clinic Abu Dhabi, he has established the Cardiomyopathy Center.

## Speakers' Biography



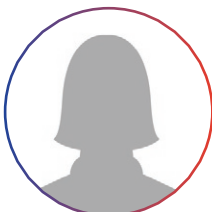
**Dr. Nicholas Barrett**  
 Consultant, Critical Care Medicine  
 Guy's and St Thomas' NHS  
 Foundation, United Kingdom

Dr. Nicholas Barrett is a consultant in critical care medicine at Guy's and St Thomas' NHS Foundation Trust who trained in both anaesthesia and intensive care medicine at Royal North Shore Hospital in Sydney Australia. He is Clinical Director for Respiratory and Critical Care at Guy's and St Thomas' and has particular interests in severe cardio-respiratory failure, extracorporeal membrane oxygenation (ECMO) and extracorporeal CO2 removal (ECCO2R), including its provision in pregnancy. He is a specialist advisor to NICE and the Healthcare Safety Investigation Branch. He is past-chair of EuroELSO, the organisation supporting the development of ECMO in Europe and provides advice to ECMO programmes around the world.



**Dr. Ali Ait Hussain**  
 Senior Consultant Intensivist  
 Member of the ECMO Team  
 Hamad General Hospital,  
 Doha, Qatar

Senior consultant intensivist and member of the ECMO Team at Hamad General Hospital, in Doha, Qatar. Assistant Professor of Clinical Medicine at Weill Cornell Medical College. Associate Professor at Hamad Bin Khalifa University. He received his medical degree and completed his residency of anesthesiology and critical care medicine in France. In 2006, he served as assistant clinical professor in University d'Auvergne in Clermont Ferrand, France and worked for 9 years as consultant intensivist in medical ICU in Gabriel Montpied university Hospital, France. He was at the origin for the launch of the ECMO program in his center in 2007. His specific ICU interests include Sepsis, nutrition, ECMO, simulation and medical innovation. He is involved in several multicenter trials as investigator in international and multicenter collaborative projects with academic institutions such as Weill Cornell Medicine College and Qatar University. He is author of more than 100 papers and book chapters. He is the actual lead for research at the medical intensive care unit. He is the lead for the ECMO Simulation Team Of Doha (ECSiTeD) and at the origin of a new ECMO mannequin designed with his team for ECMO cannulation training that has been used in several countries.



**Dr. Samira Al-Maraghi**  
 Cardiovascular Perfusionist  
 Heart Hospital, Hamad Medical  
 Corporation (HMC),  
 Qatar

Samira Al-Maraghi is a distinguished cardiovascular perfusionist with over two decades of expertise in the field. She currently serves as the Chief of Perfusion at the Heart Hospital, Hamad Medical Corporation (HMC) in Qatar. She holds a Postgraduate Diploma in Perfusion Science from the University of Surrey, London, and a Master of Management from McGill University, Canada. Samira is also a member of The Society of Clinical Perfusion Scientists of Great Britain and Ireland. Throughout her career, Samira has played a pivotal role in advancing perfusion science in Qatar. She has been instrumental in leading the perfusion department at HMC and is credited with establishing the perfusion unit at Sidra Hospital & Research Center. Additionally, she has been a driving force in developing and implementing comprehensive education and training initiatives, related to ECMO workshops and simulations. Samira remains actively engaged in teaching and training both national and international ECMO candidates. Renowned for her technical expertise, leadership, and unwavering commitment to clinical excellence, Samira continues to make significant contributions to the field of perfusion science.

## Speakers' Biography



### Emad Hakami

Clinical Specialist  
King Faisal Specialist Hospital and  
Research Center,  
Saudi Arabia

Emad Hakami is a Clinical Nurse Specialist specializing in Mechanical Circulatory Support, an ECMO Specialist, VAD Coordinator, and an ELSO Adult ECMO Practitioner at King Faisal Specialist Hospital and Research Center in Riyadh, Saudi Arabia. He actively contributes to the advancement of the field through research and quality improvement projects.



### Dr. Maria Paula Gomez

Director – Organ Transplant Expert,  
The National Center for Regulating  
Donation and Transplantation of  
Humans Organs and Tissues,  
Ministry of Health and Prevention  
(MOHAP), UAE

A medical doctor specialising in health management programs and organ donation for transplant. 15 years of global experience leading change processes in the health systems around the world (Australia, Europe, Middle East and Latin America). Experience supported by a Master Degree in Donation and Transplant of Organ, Tissue and Cells from Barcelona University. Also a lecturer in the internationally recognised Barcelona University "Transplant Procurement Management" training program. Currently DTI-Expert and Medical coordinator of the International Registry for Organ Donation and Transplantation (IRODAT). Member of The Transplantation Society (TTS), The International Society for Organ Donation and Procurement (ISODP), The European Donation and Transplant Coordination Organisation (EDTCO). Former CEO of Outcomes Australia (2014-2016), Former member of the NSW Implementation Advisory Group for Increasing Organ Donation, and The Organ Donation for Transplantation Committee of The Sydney Local Health District as a presenter on leading practice for organ donation.

As Medical Director at the Donation and Transplantation Institute from Spain 2008 to 2013, responsible for designing, leading, and coordinating the implementation of leading practices in organ donation in the Middle East, the Caribbean and European Countries.

Observer member of the Council of Europe for Organ Donation 2012 and 2013 and coordinator of European Projects in Organ Donation from 2011 to 2013. In Europe, supported the improvement of the current models that now achieve high performance, for example, through the Organ Donation European Quality System, developing quality indicators in organ donation with 13 European countries, and the Black Sea Area Project.

## Speakers' Biography



**Prof. Georg Auzinger**  
 Consultant and Reader in Intensive Care Medicine  
 King's College London & Department Chair of Critical Care & Anaesthesia, Cleveland Clinic, London, United Kingdom

Prof. Georg Auzinger is the Chair of the Department of Critical Care at Cleveland Clinic London, a Consultant and Reader in Intensive Care Medicine with King's College London and the former Clinical Director for Critical Care at King's College Hospital NHS Foundation Trust. He has 25 years experience of working as a Consultant in the NHS. He was the Lead Clinician for the Liver ICU from 2007 until 2015, when he became Clinical Director for Critical Care at King's, a position he held until 2019 when joining Cleveland Clinic London. He was appointed Prof of Medicine at Cleveland Clinic Lerner College of Medicine in 2021. Dr. Auzinger has a special interest in extracorporeal cardio-respiratory assist and Liver Failure. He set up the King's ECMO service in 2012, which he continues to co-direct to date. King's was awarded ELSO Platinum Centre of Excellence status twice in 2019 and 2023; the service has made pioneering contributions around ECMO support in Acute Liver Failure and Bridge to Liver Transplantation.



**Dr. Mitesh Vallabh Badiwala**  
 Surgical Director of Heart Transplant and Mechanical Circulatory Support  
 Cleveland Clinic, Abu Dhabi, UAE

Dr. Mitesh V. Badiwala, MD, PhD, FRCSC is the Surgical Director of Heart Transplant and Mechanical Circulatory Support at Cleveland Clinic Abu Dhabi. Dr. Badiwala was a Staff Cardiovascular Surgeon at Toronto General Hospital and Assistant Professor of Surgery at the University of Toronto from 2014 to 2023. He served as the Surgical Director of Heart Transplantation and Fellowship Director for Cardiovascular Surgery. Dr. Badiwala received his MD and PhD degrees from the University of Toronto. He also completed his residency in Cardiac Surgery at the University of Toronto. He completed a fellowship in Advanced Cardiac Surgery at Northwestern University as Chief Fellow, specializing in advanced valve repair, heart transplantation and mechanical circulatory support.



**Dr. Fadi Hamed**  
 Medical Director Lung transplant program  
 Cleveland Clinic, Abu Dhabi, UAE

Dr. Fadi Hamed, MD, is the medical director of the Lung transplant program, and served as section Head in the Critical Care Institute at Cleveland Clinic Abu Dhabi. Prior to joining Cleveland Clinic Abu Dhabi, Dr. Hamed worked as Associate Staff in the Department of Pulmonary and Critical Care Medicine at Cleveland Clinic. Dr. Hamed is a Diplomate in Critical Care Medicine, Pulmonary Disease, and Internal Medicine through the American Board of Internal Medicine. He is also a member of several organizations including the Society of Critical Care Medicine, American College of Chest Physicians, and the American Thoracic Society. His specialty interests include advanced lung disease, lung transplant and medical intensive care. Dr. Hamed earned his medical degree from the University of Jordan in Amman. He completed his internship and residency in Internal Medicine at Albert Einstein Medical Center in Philadelphia, US, where he also served as a Chief Medical Resident for one year on completion of his residency training. He completed his fellowship in Pulmonary and Critical Care Medicine at Cleveland Clinic in Cleveland, Ohio, US.



## Speakers' Biography



**Dr. Sultan Hassen Al Amri**  
 Consultant Intensivist,  
 Internal Medicine  
 King Saud Medical City,  
 Saudi Arabia

is a Consultant Intensivist and Internal medicine at King Saud Medical City. A graduate of King Saud University, Riyadh with a Bachelor's Degree of Medicine and Surgery in 2002. Then he joined the Saudi board of internal medicine, which he completed on 2007 with honor degree, and he moved on to join the Saudi fellowship of Adult Critical Care Medicine that he completed on 2010. He also received his Clinical Fellowship in Adult Critical Care medicine from the University of Toronto, Canada; on 2012 and got his Clinical Fellowship in Cardiovascular Intensive Care and Transesophageal Echocardiography from Toronto General Hospital last 2012 in Toronto, Canada. Currently, he is the head of the adult cardiac critical care scientific committee and head of adult critical care examination committee. He is a member of the Saudi ECLS chapter and a director of various specialized courses such as Critical Care Ultrasound Course and Mechanical Ventilation Course. He is also an Instructor for Rapid Response Course, Advanced Hemodynamic Course, ECMO course, Continuous Renal Replacement Therapy course, and Antibiotic Therapy course as well as Instructor in the Fundamentals of Critical Care Support (FCCS) Course.



**Dr. Nazar Bukamal**  
 Consultant Cardiothoracic  
 Intensivist and Anesthesiologist  
 Mohammed Bin Khalifa  
 Specialist Cardiac Center,  
 Bahrain

I have graduated from Cairo University (Qasr Al Aini Medical School) and then completed my residency and cardiothoracic ICU and anesthesia for both pediatric and adult at Glasgow Royal Infirmary - Scotland. I am a member and fellow of the Royal College of Anesthetist United Kingdom. Lead clinician and head of department of Cardiothoracic ICU and anesthesia at Mohammed Bin Khalifa Specialist Cardiac Center (MKCC) - Royal Medical Services. Lead clinician of ECMO services at MKCC the only ECMO center in Bahrain. International researcher joins many multicenter trials and co-authors. Senior Lecturer at Arabian Gulf University (Medical School). Head of Training at MKCC and holding leader positions at Crown Prince Center for Training and Medical Research.



**Gordan Samoukovic**  
 Ass. Professor of Surgery,  
 ECMO Director  
 McGill University,  
 Canada

Completed undergraduate, graduate and medical studies at University of British Columbia in Vancouver, followed by training in cardiac surgery, level II echocardiography and critical care at McGill University. Subspecialty training at University of Michigan in ECMO, MCS and cardiac transplantation. Currently a consultant in the Departments of Surgery, Cardiology and Critical care at McGill University. Director of the CCM training program and the ECMO program.

## Speakers' Biography



**Dr. Gennaro Martucci**  
Anesthesiologist, Critical Care Physician,  
Chief of Pediatric Anesthesia  
IRCCS-ISMETT (Istituto Mediterraneo  
per i Trapianti e Terapie ad alta  
specializzazione) UPMC,  
Italy

Dr. Gennaro Martucci, MD is a senior anesthesiologist and intensivist at ISMETT in Palermo. Currently he is appointed as Chief of Pediatric Anesthesia for the hepato-biliary surgery and liver and kidney transplantation program. He obtained a PhD at Maastricht University under the supervision of Prof. Roberto Lorusso. His main research fields are the coagulation, effects on haematology and patient blood management in extracorporeal membrane oxygenation and liver transplantation. He contributed to the advancement of knowledge in the field of transfusions and anticoagulation in patients on ECMO. He is member of the Italian anaesthesiology society, ESICM and ELSO.



**Dr. Salman Pervaiz Butt**  
Chair SWAAC ELSO Workshops  
Interim Manager Perfusion  
Services and ECMO Specialist  
Cleveland Clinic,  
Abu Dhabi, UAE

Experienced healthcare professional with a 24-year career spanning public and private sectors. Expertise in Perfusion, clinical Research, medical devices, patient safety, hospital operations, and healthcare management. Holds an MSc in Translational Cardiovascular Medicine from the University of Bristol and an MBA in Healthcare Management from Birmingham City University. Prolific author, educator, speaker, motivator, and researcher, with numerous publications in prestigious peer-reviewed journals, dedicated to advancing healthcare knowledge and practices.



**Dr. Mark Takashi Ogino**  
Neonatologist  
Children's Hospital of Philadelphia,  
USA

Dr. Mark Ogino is a pediatrician and neonatologist who received his medical education from the University of California, San Diego (UCSD) School of Medicine. He completed his postgraduate training at Massachusetts General Hospital (MGH) and further specialized in Neonatology and Pediatric Infectious Diseases (research) through fellowships at UCSD. Having held positions at institutions like San Diego Rady Children's Hospital, Massachusetts General Hospital, Kapiolani Medical Center for Women and Children, and Nemours Children's Health, Dr. Ogino is an attending neonatologist at The Children's Hospital of Philadelphia. His academic role includes a Clinical Professorship in Pediatrics at the Sidney Kimmel Medical College, Thomas Jefferson University. Since 1989, Dr. Ogino has been actively involved in the Extracorporeal Membrane Oxygenation (ECMO) community. He trained under Dr. Devn Cornish and opened ECMO programs in Hawaii and Delaware. He was the Extracorporeal Life Support Organization (ELSO) Chair of Logistics and Education from 2009 to 2015, leading the development of the ELSO educational programs. Additionally, Dr. Ogino served as the President of ELSO from 2018 to 2020. Dr. Ogino's academic focus is enhancing clinical teams' proficiency and delivering safe and high-quality extracorporeal life support care through innovative educational methods.

## Speakers' Biography



**Prof. Daniel Brodie**  
 Vice President and  
 Chief Medical Officer for  
 Critical Care, Johns Hopkins  
 Health System Professor of  
 Medicine, Johns Hopkins University  
 School of Medicine, USA

Dr. Brodie is a Professor of Medicine at the Johns Hopkins University School of Medicine. He is also the Chair of the Board of the International ECMO Network (ECMONet) research collaborative, and a member of the Board of Directors and the President of the Extracorporeal Life Support Organization (ELSO).



**Prof. Jan Belohlavek**  
 Consultant in Cardiology and  
 Critical Care,  
 Dept. of Internal Medicine II,  
 Cardiovascular Medicine,  
 General University Hospital,  
 Prague Czech Republic

Cardiologist, intensivist in Prague, Czech Republic. Prof. of Medicine, board certified in cardiology, angiology and critical care, licenced in invasive cardiology. In charge of cardiac intensive care, ECMO team coordinator. Main clinical and research focus on refractory cardiac arrest, ECMO reperfusion, microcirculation, different ECMO settings. Investigator of the Prague OHCA study comparing hyperinvasive approach - ECPR to standard therapy in refractory cardiac arrest. Participated also on ECMO-CS, cardiogenic shock study evaluating the role of ECMO in severe cardiogenic shock and metaanalysis with ECLS Shock. Past-chair of the Czech Association of Acute Cardiology, member and the President of the EURO-ELSO steering committee previously. Chair, working group on ECPR of EuroELSO.



**Dr. Pranay Oza**  
 ECMO Co-Director & Intensivist,  
 Riddhi Vinayak Multispecialty  
 Hospital, Mumbai,  
 India

- Pioneer in starting ECMO services in India & establishing an Outreach & mobile ECMO program in India
- Past President & Founder member - ECMO Society of India
- Secretary & Founder member - SWAA CELSO
- Director ECMO India Foundation
- Director ECLS Bharat Pvt Ltd
- Member of Research Cell, ELSO
- I was a part of Transport work group for ELSO guidelines for Transport & Retrieval of Adult & paediatric patients with ECMO support.

- Publications:
  - o ECMO volume I (practical Manual) published in Nov 2010, (a first book on ECMO in India),
  - o 2nd Edition - 2018
  - o 3rd Edition - 2023
  - o Synopsis of ECMO booklet published in April 2011.
  - o ECMO volume II (theoretical manual) published in 2012
  - o Manual of ECMO published in 2013
  - o Various Papers presented on ECMO (40+) - National & International
- Area of Interest - ECMO & Critical care
- Our centre received -
  - o Platinum Level ELSO Centre of Excellence for the year from 2021 - 2024
  - o GOLD Level ELSO Centre of Excellence for the year from 2018 - 2021

## Speakers' Biography



**Mr. Bishoy Magdalla**  
 Director, Technical Product  
 Management  
 Getinge, USA

Bishoy Magdalla is a seasoned healthcare technology leader with a proven track record of driving innovation in high-acuity care environments. As Director of Technical Product Management at Getinge, Magdalla has led groundbreaking initiatives that transform real-time data into actionable insights, enhancing patient outcomes and operational efficiency in critical care. Over the past 20 years, Magdalla has combined his technical expertise in computer and software engineering with his passion for healthcare to develop impactful solutions for leading organizations, including hospitals like Cleveland Clinic and payors such as Blue Shield of California. For the last 15 years, his work has centered on high-acuity care, where he has played a pivotal role in expanding Talis Clinical's product portfolio with purpose-built solutions for Anesthesia, Cardiac Surgery Perfusion, Critical Care, and ECMO Therapy. A recognized innovator, Magdalla holds multiple pending patents in clinical decision support systems and healthcare interoperability. His commitment to advancing technology integration in healthcare is reflected in his focus on strategic product vision, regulatory compliance, and the use of artificial intelligence and analytics to deliver meaningful results.



**Prof. Dr. Georg Trummer**  
 Cardiac Surgeon, Intensivist  
 Department of Cardiovascular  
 Surgery, University Hospital Freiburg,  
 Germany

Prof. Dr. Georg Trummer is a cardiac surgeon, attendant and intensivist at the Department of Cardiovascular Surgery at the University Hospital Freiburg/Germany. His research started as post-doc fellow in 2003 at the University of California Los Angeles (UCLA) focusing on the field of ischemia/reperfusion of the whole body and the brain. Based on this work, the therapeutic approach of "CARL" was developed, paralleled by R&D of the „CARL System" within the spin-off company "Resuscitec GmbH". Georg Trummer is engaged in multiple societies and boards (i.e. German Resuscitation Council, German Association of Intensive care) with the goal, to improve the "chain of survival" towards better survival and neurologic recovery after cardiac arrest.



**Dr. Carlos Sanchez**  
 Transplant ICU  
 King Faisal Specialist Hospital  
 and Research Center,  
 KSA

I am an intensivist from Venezuela with 15 years of experience managing critically ill patients in some countries and currently working in the ICU of the Adult Organ Transplant Center of Excellence in KFSHRC, Saudi Arabia. My main fields are the diagnosis and adequate management of sepsis, hemodynamic monitoring with special emphasis on resource-limited environments, humanization of the cares, as well as optimization of mechanical ventilation.

## Speakers' Biography



**Dr. Jon Lillie**

Consultant in Paediatric Intensive Care Evelina London Children's Healthcare NHS Guy's and St Thomas, United Kingdom

Dr. Jon Lillie is a paediatric intensivist and ECMO lead at Evelina London Children's Hospital, performing approximately 20 neonatal and paediatric ECMO runs annually with respiratory disease supported by VV ECMO. He believes that we should question everything as much of what we do is based on dogma rather than evidence. He hopes to share ideas at SWAAC ELSO, encouraging others to choose VV ECMO for neonatal respiratory disease while learning lots to take back to Evelina.



**Dr. Matteo Di Nardo**

Pediatric intensive Care Unit Children's Hospital Bambino Gesù, Rome Italy

Dr. Matteo Di Nardo graduated in General Medicine and Surgery in 2001 and finished the specialty in Anesthesiology and Intensive Care in 2006 at the Catholic University of Sacred Heart. He worked for one year in the service of Adult Cardiac Anesthesia and Intensive Care of the European Hospital of Rome. After this experience, he started working in the pediatric intensive care unit of the Children's Hospital Bambino Gesù of Rome. From 2013, he is responsible of the Respiratory ECMO program in Bambino Gesù Children's Hospital. He is also the coordinator of the neonatal and Pediatric ECMO transport for the Center and South of Italy in the "Rete Respira ECMO Project" of the Italian Minister of Health. From 2014 he is an active member of the EuroELSO Steering Committee. His scientific activities and interests are related to the prevention of the ventilator-induced lung injury and to the use of extracorporeal life support in children.



**Dr. Nada Al Jassim**

Consultant, Pediatric Intensive Care & Head of pediatric Cardiac ICU, King Fahad Medical City (KFMC), Riyadh, Saudi Arabia

Consultant, pediatric Intensive Care covering general PICU and pediatric Cardiac ICU.

- Head of pediatric Cardiac ICU at King Fahad Medical City (KFMC), Riyadh, Saudi Arabia.
- The Pediatric Extracorporeal membrane oxygenator (ECMO) service line leader at second health care Cluster in Riyadh that has gold award of ELSO.
- Certifications: MBBS degree in medicine from King Faisal University in Dammam, Saudi & Arab board in paediatrics, & sub-specialized in Pediatric intensive care, earned the Saudi board and completed two years of fellowship at McGill University in Canada then certified in ECMO.
- A member of ELSO and the organizing committee of Saudi ECLS.
- A member of Saudi Ministry Of Health ECMO National program & a director of ECMO courses at KFMC.
- A Speaker at many national & international conferences.
- Interested in ultrasonography and simulation. I have experience in building up Cardiac ICU units and ECMO program.

## Speakers' Biography



**Dr. Benedict Griffiths**

Paediatric Cardiac Intensive  
Care consultant  
Paediatric ECMO Director  
Sheikh Khalifa Medical City,  
Abu Dhabi, UAE

Dr. Benedict Griffiths is a Paediatric intensivist working at Sheikh Khalifa Medical City in Abu Dhabi and is Paediatric ECMO director. Dr. Griffiths Completed his Paediatric Training in London before sub specialising in Paediatric Intensive Care at Great Ormond Street Hospital and the Evelina London where he worked as a consultant in PICU and Retrieval Medicine.



**Prof. Issam El Rassi**

Chief of Congenital Cardiac  
Surgery, Al Jalila Children's Hospital,  
Dubai, UAE

Dr. El-Rassi is Chief of Congenital Cardiac Surgery at Al Jalila Children's - Dubai. He trained in Necker Children's Hospital in Paris, and the Royal Children's Hospital in Melbourne. Dr. El-Rassi earns worldwide recognition as a leading Pediatric and Congenital Heart Surgeon. Along with his surgical activities, he actively supports the establishment and development of ECMO programs. Dr. El-Rassi has an impressive track record in humanitarian activities related to congenital heart disease, through French, Lebanese, American, and Emirati Associations, and has facilitated the treatment of hundreds of needy children from the Mena Region.



**Dr. Naga Kishore, MD**

Pediatric Intensivist  
Sheikh Khalifa Medical City,  
Abu Dhabi, UAE

Graduated from Gandhi Medical College, Hyderabad, India in 2002. Subsequently, he moved to the United Kingdom to complete his General Paediatric and Neonatal training in Birmingham and London. After obtaining the Membership of Royal College of Paediatrics and Child Health, he undertook Paediatric intensive care medicine training in London, Manchester and Liverpool. Undertaken a year of training in General Anaesthetics to complement my intensive care training. He gained valuable insight into research with a focus on haemodynamic monitoring, during his role as a Clinical Research Fellow at Guy's and St Thomas' Hospital NHS Foundation Trust, London. Following the Certificate of Completion of Training (CCT) in Paediatric Intensive Care Medicine from Liverpool, United Kingdom, he moved to Auckland, New Zealand to complete a Fellowship in Paediatric General and Cardiac intensive care Medicine at Starship Children's Hospital. This Fellowship further consolidated his intensive care experience, especially the cardiac intensive care. Prior to joining SKMC he served as a Consultant Physician in Paediatric Intensive Care Unit at Alder Hey Children's Hospital, Liverpool, UK a 22 bed tertiary combined general and cardiac intensive care. He held other significant roles such as Clinical Lead for Organ Donation and Clinical Lead for Mortality and Morbidity at Alder Hey Children's Hospital, UK. His special interests include haemodynamics, anticoagulation in ECMO, congenital diaphragmatic hernia, organ donation and teaching.

## Speakers' Biography



**Dr. Indira Jayakumar**  
 Lead Pediatric Intensivist  
 Senior Consultant (ER & PICU)  
 Apollo Specialty Hospital,  
 Chennai, India

Dr. Indira Jayakumar is a distinguished Pediatric Critical Care specialist with over 25 years of experience, including advanced training in Australia. She currently leads the Pediatric Intensive Care Unit (PICU) at Apollo Specialty Hospital in Chennai, India. Dr. Jayakumar specialises in Pediatric Hematopoietic Stem Cell Transplantation and Pediatric Onco-Critical Care, where she has made notable contributions. In addition to her clinical role, she serves as the Chairman of the Pediatric Wing of the ECMO Society of India (ESOI) and Co-Convenor of the IAP Pediatric Transplant Critical Care group in India. She also contributes to the field as the Editor of the Indian Journal of ECMO. Dr. Jayakumar's dedication to advancing pediatric critical care through both her practice and leadership roles has had a significant impact on the field.



**Dr. Yasser Kazzaz**  
 Program Director,  
 Pediatric intensive care/ pediatric cardiac intensive Care Physician  
 Associate professor of pediatrics/  
 Pediatric Critical Care  
 King Abdulaziz Medical City/ King Saud bin Abdulaziz University for  
 Health Sciences (KSAU-HS),  
 Saudi Arabia

Dr. Kazzaz received his medical degree from King Saud University in 2007, his training in pediatrics at McGill University in 2011, and his pediatric critical care fellowship at McGill University in 2013. He then completed an advanced critical care Fellowship at McGill for one year and then two years at The Hospital for Sick Children (SickKids), including a paediatric Extracorporeal Life Support/Extracorporeal membrane oxygenation clinical fellowship. He obtained masters of public health in health systems and quality management in 2020 at King Saud bin Abdulaziz University for Health Sciences (KSAU-HS). He is currently appointed as program director, pediatric intensive care/pediatric cardiac intensive care physician, and associate professor of pediatrics/Pediatric Critical Care at King Abdulaziz Medical City/King Saud bin Abdulaziz University for Health Sciences (KSAU-HS). He is a member of the pediatric critical care and paediatric cardiac critical care fellowship scientific committees, Saudi Commission for Health Specialties, and a member at the Scientific Committee of the International Critical Care Conference, Riyadh, Saudi Arabia, for the years 2016, 2018, 2019, 2022, and 2023. Dr. Kazzaz current research interest is focused on improving quality of care in pediatrics critical care through quality improvement projects and simulation with a specific interest in extracorporeal life support, sepsis, and organ donation.

## Speakers' Biography



**Dr. Grace Leeuwen**  
 Assistant Professor of Pediatrics,  
 Weill Cornell Medicine – Qatar  
 Senior Attending Physician,  
 Pediatric Cardiac Intensive Care Unit  
 Sidra Medicine,  
 Doha, Qatar

Dr. Grace Van Leeuwen is an Assistant Professor of Pediatrics at Weill Cornell Medicine – Qatar and a Senior Attending in the Pediatric Cardiac ICU at Sidra Medicine since 2019. She is Co-Director of the ECMO program, member of the Ethics Committee and oversees the Neonatal and Pediatric ECMO transport in the country. Grace is the Co-Chair of the Congenital Heart Academy, a web-based platform dedicated to sharing scientific knowledge on congenital heart diseases from fetal stages to adulthood. She served as the Co-Chair of Marketing and Communication for the 8th World Congress of Pediatric Cardiology and Cardiac Surgery, held in Washington DC in August 2023. Additionally, she is on the editorial boards of the Extracorporeal Life Support Organization (ELSO) ECMO Foundations Course and the Congenital Heart Disease Journal. Board certified in Pediatrics, Pediatric Cardiology, Interventional Cardiology, and Critical Care, she is committed to delivering the most advanced, evidence-based care for her patients. She is currently engaged in the academic pursuit of a Master of Science in Clinical Service Operations at Harvard Medical School, aiming to enhance her expertise in healthcare operations, optimizing patient outcomes through effective management and teamwork, driven by her passion to improve patient care and hospital efficiency.



**Dr. Peter Paul Roeleveld**  
 Pediatrician, Intensivist  
 PICU, Leiden University  
 Medical Center,  
 The Netherlands

Peter was trained as a pediatrician in Rotterdam, The Netherlands and did his fellowship in pediatric intensive care at the Royal Childrens Hospital in Melbourne. Since 2009 he works as a pediatric-intensivist at the PICU of the Leiden University Medical Center in Leiden, The Netherlands. He has a special interest in critical care in children with congenital heart disease and ECMO especially. Since 2017 he is the medical director of the PICU. He is also a member of the EuroELSO steering committee.



**Dr. Omer Amur Khalfan Al Dafaei**  
 Consultant, Pediatric Post  
 Cardiac Surgery Unit  
 National Heart Center,  
 Royal Hospital, Oman

I am a father of five. I graduated from medical school at Sultan Qaboos University in 2009. I finished my residency program at the Oman Medical Specialty Board in 2014. I finished my fellowship at SickKids, Toronto, Canada, in 2021. I am currently working at Royal Hospital, National Heart Center, in the pediatric post-cardiac surgery unit. 'Invitation and Documents Record'.



## Speakers' Biography



**Dr. Kesava Ramakrishnan**

PICU Consultant  
Burjeel Medical City,  
Abu Dhabi, UAE

Dr. Kesava is a Pediatric Intensivist with more than 20 years of experience in pediatric critical care. After completing the basic specialist training in Pediatrics in India, he pursued higher specialist training in pediatric critical care medicine in the UK and Australia. Following which, he worked in a tertiary care university hospital as a consultant in PICU for 8 years before moving to UAE. In the UAE, he worked as head of cardiac PICU in Sheikh Khalifa Medical City for 4 and half years before moving to Burjeel Medical City. He is passionate about patient safety, quality of care, training/education of staff and efficiency of the service. He has implemented the following projects in the previous four years:

- Benchmarking cardiac surgical outcomes
- Admission policy incorporating risk stratification that has cut down the delay in admission of children with critical congenital heart disease
- Early extubating policy
- Rational chest drain removal policy
- Bundle for reduction in PICU LOS
- Bundle for prevention of cardiac arrest
- Home monitoring program for palliated patients until second stage surgery
- Organized seminars on congenital heart disease
- Hands on training workshop on pediatric CRRT

In the UK he was part of a dynamic team, which achieved high patient satisfaction and outcome despite expansion of service from 600 admission to over a 1000 admissions per year. He was a Lead Consultant for clinical practice development and research within the team. Under his leadership, the team participated in many multicentre trials including CHIP, STePS, CATCH, THAPCA and ADAPT. Dr. Kesava is competent in managing critically ill children from any cause. He has special expertise in postoperative care of children particularly in the area of congenital cardiac surgery. He is an expert in mechanical ventilation, renal replacement therapy and procedures such as central line insertion etc. He is also proficient in management of children on VA and VV ECMO.



**Dr. Malaika Mendonca**

Consultant,  
Pediatric Critical Care  
Insel Gruppe,  
Switzerland

Dr. Malaika Mendonca's interest and involvement in ECLS started as early as her residency training for anesthesia and critical care in Essen (Germany). After leading the CPICU at the Ludwig Maximilian University Hospital in Munich, she moved in 2004 to the United Arab Emirates to support the creation of the PICU in Sheikh Khalifa Medical City (SKMC) in Abu Dhabi. As Division Chief of the Cardiac PICU from 2010 to 2017, she developed the SKMC ECMO Program until it became a leading center in the UAE and the Gulf region. She organized the 3rd SWAAC ELSO Conference in 2016 in Abu Dhabi, during which she was elected Co-Chair of the Chapter, then Chairman in 2017. Her tenure included expanding the Chapter, establishing its modern scope and bylaws, and conducting workshops and conferences to provide and share further education and training within the Chapter. She joined in 2018 the PICU of the Inselspital University Hospital in Bern, Switzerland, where she directs the Pediatric ECMO Program in addition to her clinical duties, and serves as a member of the EuroELSO Steering Committee. Her dedication to education, teaching and knowledge exchange has made her a frequently invited speaker in local and international conferences.

## About Abu Dhabi

Abu Dhabi is the largest emirate in the United Arab Emirates, occupying 84 per cent of the national landmass territory. It has 200 islands and a long coastline stretching 700km. Its total area is 67,340 sq. km. Abu Dhabi city in the emirate is the federal capital of the UAE.

### Population

According to Abu Dhabi Statistics Centre The estimated population of the emirate around mid-2016 was 2,908,173 (comprising 1,857,618 males and 1,050,555 females). 551,535 were UAE nationals and 2,356,638 were expatriates. The average annual population growth rate for the years from 2010 to 2016 was 5.6 per cent.

### Location and Geography

The emirate of Abu Dhabi lies on the coast of the Arabian Gulf and is bordered by Sultanate of Oman to the east, the Kingdom of Saudi Arabia to the south and the west and the emirate of Dubai to the northeast. The three main regions of the emirate are:

- the city of Abu Dhabi
- Al Ain in the east
- Al Dhafrah (earlier known as Al Gharbia) in the west.

In the eastern region, to the south of Al Ain city is Jebel Hafeet - the emirate's highest peak (1,240 metres).

Al Dhafrah has seven main cities: Liwa, Madinat Zayed, Ghayathi, Ruwais, Mirfa, Sila and Delma Island.

The city of Abu Dhabi is connected to the mainland by four bridges: Maqta bridge, Mussafah bridge, Sheikh Zayed bridge and Sheikh Khalifa bridge.

### Economy

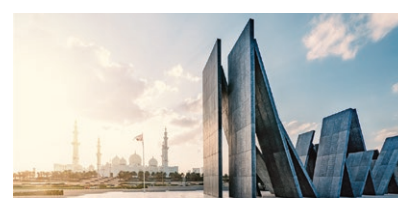
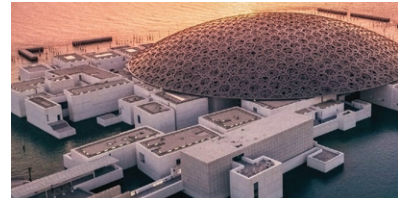
Over the recent decades, the emirate of Abu Dhabi has undergone a significant transformation in economic growth. Due to the vision of Abu Dhabi's leaders and the abundance of oil and natural gas reserves, the emirate has grown to become a dynamic hub and major competitor on the global stage. While recognising the success of the oil sector, Abu Dhabi is working hard to reduce its hydrocarbons reliance and broaden the emirate's economy. Investment in infrastructure, tourism, transport, health and education is continuing, in line with the government's 2030 economic plan. Tourism is playing an integral role in Abu Dhabi's economic development. Major investment in new luxury resorts and business hotels is underway. Abu Dhabi has many things to offer to its visitors and residents: a versatile landscape, thriving investment hub, and a friendly environment boasting one of the highest per capita incomes and one of the lowest crime rates in the world.

### Touristic Importance

Abu Dhabi has become a centre for world-class sporting events such as: the Abu Dhabi Golf Championship, the prestigious Abu Dhabi Desert Challenge cross-country rally and the Formula One Abu Dhabi Grand Prix.

In addition, the city will soon house the world's largest concentration of premier cultural institutions which will include the Sheikh Zayed National Museum, the Guggenheim Abu Dhabi and Louvre Abu Dhabi.

Abu Dhabi is rich in natural wonders too. While the emirate's famous Liwa oasis in the south of the emirate is home to some of the largest and most beautiful sand dunes in the world, the garden city of Al Ain in the foothills of Jebel Hafeet is home to several heritage sites.



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