



## CONGRESS 21 February 2020

### Registration 07h00 - 08h30

### Plenary Session

Welcome	SWAAC ELSO ELSO From the Chair
Meet the Survivors	Case Presentation : Cardiogenic shock
The South African ECLS Experience	Setting up a ECMO Unit in a Public Hospital in South Africa Setting up an ECMO unit in Private practice in South Africa ECMO and Transplant in South Africa - The ethics of bridging to transplant

### Morning TEA 10h30 - 11h00

#### ADULT Tract 1

### VA-ECMO Beat as one

Give the heart a break  
- Cardiogenic Shock and looking after the heart on VA-ECMO

It doesn't have to be ECMO - VAD, Impella or IABP

LV off-loading after acute MI

VA-ECMO not just for Cardiogenic Shock

Supporting the stunned myocardium post cardiectomy

Discussion

#### PEADIATRIC Tract

### Physiology Individual yet United

ECMO physiology and Oxygen Delivery  
- What number matters?

How to save the glycocalyx and Endothelial function on ECMO

Transitioning  
- From near death to stable on full flow

Clots or bleeding-where is the balance?

Indications and timing of initiation in neonates and paediatrics

Discussion

#### ADULT Tract 2

### Respiratory Care on VV-ECMO The Air we don't breathe

Lets not forget nursing fundamentals

Individualizing tracheal access

When looking down the trachea becomes necessary

To breathe or not to breathe?

Inhaled antibiotics - does this make sense?

Positioning on ECMO - a fickle thing...  
When to crack the mobilization whip?



LUNCH 13h00 - 14h00

ADULT Tract 1

**VV-ECMO  
The Winds of Change**

Staying off the pump - optimizing ventilation pre-ECMO

What does lung rest really mean - ventilation on ECMO

Proning on ECMO - What are the French up to?

Is it in the numbers? Optimal saturation

Questions

ADULT & PEADIATRIC Tract 1

**ECMO Community**

Running the Show: Ecmo coordinator

The Anaesthesiologist and ECMO

Challenges of nursing the ecmo patient

The role of the perfusionist

Physiotherapist

Psychologist

ADULT & Paediatric Tract 2

**Cannulation  
Connection through cannulation**

Pro-Con debate: Is a Single catheter enough?

Ultrasound Support for Cannulation. Safety in numbers

Save a life and both legs - Distal limb perfusion

When simple VA and VV is not enough. Hybrid circuits

Cannulation for paediatrics and neonates

Minimizing complications

Afternoon TEA 15h30 - 16h00

ADULT & Paediatric Tract 1

**ECPR  
Re-animation +**

Pro-Con: Are we there yet?

IHCA vs OHCA - Choosing the right patient

CPR: Man vs Machine

When is it too late or too long? Emergency cannulation

ECPR for Paediatrics and neonates

Discussion

ADULT Tract 3

**Quality improvement on ECMO  
Uplifting ECMO**

Pro-Con: ECMO care should be centralized

Sepsis and Infections on ECMO

ECMO transport

Improving outcomes

The economics of ECMO. Is it worth it?

Discussion

ADULT Tract 2

**Oral POSTER Presentations**

10 minute slots for presentations



## Plenary Session

Country Update

South Africa  
India  
Qatar  
Pakistan  
UAE  
Iran  
Kuwait  
Oman  
KSA  
Egypt  
Kenya  
Kazakhstan  
Lebanon

**Cocktail Function 19h00 to late**



# CONGRESS 22 February 2020

**Registration 07h00 - 07h30**

## Plenary Session

ECLS in the SWAAC region

Lung ultrasound and ECMO

Meet the Survivors

Case Presentation

Long-term outcomes following neonatal and paediatric ECMO

ADULT Tract 1

### Special Category Patients

HIV and JCP

Pulmonary Emboli

ECMO in the polytrauma patient

Hem-oncology

Traumatic head injury patients

Discussion

PEADIATRIC Tract

### VA-ECMO

Congenital hearts

ECLS for right heart failure

Pulmonary Hypertension and shunts

Cannulation- tricks and complications

Harlequin syndrome

Discussion

ADULT Tract 2

### Case Studies - VV ECMO

Obese patient

PULM BLEED

Hem-oncology

COPD exacerbation/ECCO2R

JCP

Clotting

Acute haemolysis

Airway obstruction

Mobilization

Septic shock on VV-Ecmo

Tracheo-oesophageal fistula



ADULT Tract

**Education**

Simulation training

Guidelines and Protocols

Referrals: when to say no

ECMO SA and the future

Nursing protocols South Africa

PEADIATRIC Tract

**Case Studies**

Congenital heart

Meconium Aspiration

Near Drowning

Haem-Oncology

ADULT & PEADIATRIC Tract

**Other Pumps**

Electrodialysis

Small Circuits

ECCO2R

Cytokine removal

CRRT on ECMO

Panel Discussion

LUNCH 13h00 - 14h00

ADULT Tract 1

**Management**

DIC, HITT, Heparin resistance and platelets

Nutrition

Antibiotics and Antifungals on ECMO

Awake and non ventilated ECMO

Anticoagulation targets and point of care anticoagulation testing

Discussions

ADULT Tract 2

**Management**

Haemolysis - diagnosing and dealing

Sedation on ECMO

Management of ventilation on ECMO

Neuromonitoring and neuroprotection. The role of INVOS

Pharmacokinetics and dynamics

Discussions

ADULT Tract 3

**Case Studies - VA ECMO**

Solid organ transplant

Organ donation

ECPR

Pulm Embolism

Peripartum cardiomyopathy

Septic shock

Drug overdose

Lung transplant

PCI



## Plenary Afternoon Session

ECMO Provider support and burn out  
Family Counseling and Support  
"PTSD" (patient)  
Organ Donation and ECMO  
**Congress Closure**

**Inaugural ECMO SA Meeting 17h40 - 18h00**

**Congress and Speakers DINNER 19h00 to late**