

PROGRAMME

IRCAD ECMO COURSE

SUPPORTED BY EXTRACORPOREAL LIFE SUPPORT ORGANIZATION (ELSO)

26TH - 29TH MARCH, 2018



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RIO DE
JANEIRO

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Rio de Janeiro, Brazil

COURSE CO-DIRECTOR

Bruno Fernandes

Americas Medical City
Rio de Janeiro, Brazil

OBJECTIVES

- Identify candidates for ECMO
- Identify the components of ECMO and describe the function of the components
- Choosing the best cannula and cannulation configuration for patients
- Discuss the indications of VV-ECMO and VA-ECMO
- How to use of prognostic tools to help the decision of ECMO
- Discuss ethical issues on ECMO
- Discuss management issues on ECMO
- Respond to ECMO emergencies
- Transport with ECMO
- How to wean ECMO
- Understand ECMO physiology

EDUCATIONAL METHODS

- Theoretical lectures
- Training sessions with participants
- Sessions with live animals

FACULTY

International:

Mark Ogino (USA)
Nemours Al DuPont Hospital - Delaware

Leonardo Salazar (COL)
Fundación Cardiovascular

Rodrigo Diaz (CHI)
Clínica Las Condes

Rocio Agliati (CHI)
Clínica Las Condes

Roberto Lorusso (NED) - VideoConference
Maastricht University Medical Centre

National:

Alexandre Siciliano

Ana Karinina

Ana Luiza Sales

Assad Sassine

Bruno Marques

Felipe Saddy

Gustavo Ribeiro

Ligia Neves

Lucas Waldeck

Luis Fernando Caneo

Marcelo Montera

Marcelo Park

Rodrigo Hatum

Theia Castelone

Victor Cravo

Vitor Barzilai

Version: Mar, 26th 2018

This programme may be subject to modifications

Day 1 - March 26th, 2018

08.00 am	50 min	Registration
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THEORETICAL SESSION

CHAIRMAN : VICTOR CRAVO

MODERATORS : FELIPE SADDY, ALEXANDRE SICILIANO

08.50 am	10 min	Welcome and Introduction	Course Directors
09.00 am	30 min	History of ECMO	LF Caneo
09.30 am	45 min	ARDS: Update	M Park
10.15 am	30 min	Break	
10.45 pm	45 min	VV-ECMO Indications	R Diaz
11.30 pm	05 min	Laboratory Rules	D. Leitão, E. Belmonte
11.35 pm	60 min	Debate	
12.35 pm	60 min	Lunch at the Institute	

PRACTICAL SESSION

		Groups 1 / 2 / 3:	Groups 4 / 5 / 6:	
01.30 pm	45 min	Components of ECMO	Puzzle Session	Simulation Team
02.15 pm	45 min	Puzzle Section	Components of ECMO	Simulation Team
03.00 pm	30 min	Break		

THEORETICAL SESSION

03.30 pm	60 min	VV-ECMO Physiology	M Ogino
04.30 pm	60 min	ECMO Economics	M Park
05.30 pm	End of First Day		

Day 2 - March 27th, 2018

08.00 am 15 min Welcome

THEORETICAL SESSION

CHAIRMAN : RODRIGO HATUM

MODERATORS : ANNA KARININA, BRUNO MARQUES

08.15 am	30 min	Review of Day One	M Ogino, F Silva
08.45 am	60 min	Anticoagulation	G Ribeiro
09.45 am	20 min	Break	
10.05 am	45 min	Patient management VV-ECMO	LF Caneo
10.50 am	45 min	Circuit Management	LF Caneo
11.35 am	30 min	Debate	
12.05 am	60 min	Lunch	

THEORETICAL AND PRACTICAL SESSIONS

		Groups 1 / 2 / 3:	Groups 4 / 5 / 6:
01.00 pm	30 min	Simulation Laboratory orientation	
01.30 pm	40 min	Cannulation <i>L Salazar</i>	Simulation 01 <i>Sim Team</i>
02.10 pm	40 min	ECMO Emergencies <i>A Sassine</i>	Simulation 02 <i>Sim Team</i>
02.50 pm	40 min	CRM - "ECMO is a team sport" <i>R Diaz</i>	Simulation 03 <i>Sim Team</i>
03.30 pm	30 min	Break	
04.00 pm	40 min	Simulation 01 <i>Sim Team</i>	Cannulation <i>L Salazar</i>
04.40 pm	40 min	Simulation 02 <i>Sim Team</i>	ECMO Emergencies <i>A Sassine</i>
05.20 pm	40 min	Simulation 03 <i>Sim Team</i>	CRM - "ECMO is a team sport" <i>R Diaz</i>
06.00 pm	End of Second Day		

Day 3 - March 28, 2018

08.00 am 15 min Welcome

THEORETICAL SESSION

CHAIRMAN : ANA LUIZA SALES

MODERATORS : ENF. THEIA CASTELOES, ENF. LIGIA NERES

08.15 am	30 min	Review of Day One and Two	M Ogino, F Silva
08.45 am	75 min	VA ECMO and VA Patient Management	L Salazar
10.00 am	25 min	Coffee Break	
10.25 am	45 min	VA Case Study (Cardiac Physiology)	L Salazar
11:10 am	30 min	Nursing Care of the ECMO Patient	R Agliati
11.40 am	50 min	Debate	
12.30 pm	60 min	Lunch at the Institute	

THEORETICAL AND PRACTICAL SESSIONS

		Groups 1 / 2 / 3:		Groups 4 / 5 / 6:	
01.30 pm	40 min	Simulation 04	Sim Team	ECMO Transport	R Diaz
02.10 pm	40 min	Simulation 05	Sim Team	Pharmacology	G Ribeiro
02.50 pm	40 min	Simulation 06	Sim Team	Weaning	F Silva
03.30 pm	30 min	Break			
04.00 pm	40 min	ECMO Transport	R Diaz	Simulation 04	Sim Team
04.40 pm	40 min	Pharmacology	G Ribeiro	Simulation 05	Sim Team
05.20 pm	40 min	Weaning	F Silva	Simulation 06	Sim Team
06.00 pm	End of third day				

Day 4 - March 29, 2018

08.00 am | 15 min | Welcome

THEORETICAL SESSION

CHAIRMAN : ALEXANDRE SICILIANO

MODERATORS : MARCELO MONTERA, LUCAS WALDECK

08.15 am	30 min	Review of Day Three	M Ogino, F Silva
08.45 am	75 min	ECMO in Heart Failure and ECPR	L Salazar
10.00 am	20 min	Coffee Break	
10.20 am	45 min	Outcomes	B Fernandes
11.05 am	60 min	ECMO News (Teleconference)	R Lorusso
12.05 am	25 min	Debate	
12.30 pm	45 min	Lunch at the Institute	

THEORETICAL AND PRACTICAL SESSIONS

		Groups 1 / 2 / 3:	Groups 4 / 5 / 6:
01.15 pm	40 min	ECMO in Special Situations <i>R Diaz</i>	Simulation 07 <i>Sim Team</i>
01.55 pm	40 min	Ethics in ECMO <i>M Ogino V Barzilai</i>	Simulation 08 <i>Sim Team</i>
02.35 pm	40 min	How to set up an ECMO Program <i>M Ogino</i>	Simulation 09 <i>Sim Team</i>
03.15 pm	15 min	Break	
03.30 pm	40 min	Simulation 07 <i>Sim Team</i>	ECMO in Special Situations <i>R Diaz</i>
04.10 pm	40 min	Simulation 08 <i>Sim Team</i>	Ethics in ECMO <i>M Ogino V Barzilai</i>
04.50 pm	40 min	Simulation 09 <i>Sim Team</i>	How to set up an ECMO Program <i>M Ogino</i>
05.30 pm	30 min	Evaluations and Certificates	
06.00 pm		End of the Course	



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All our thanks for the crucial participation of:



And also to:

