



AGENDA

Friday, October 4, 2019

7:30 – 8:00 AM Registration and Breakfast

8:00 – 8:10 AM Welcome

Christian A. Bermudez, MD, Penn Course Director

Kasia Hryniwicz, MD, ELSO Course Director

GENERAL ECLS INTRODUCTION

Moderators: *Christian Bermudez, MD, Kasia Hryniwicz, MD*

8:10 – 8:25 AM Overview of Current ECLS Circuit (Pumps and Oxygenators)
Justin Slesman

8:25 – 8:40 AM Physiology in Veno-Arterial ECLS Support
Daniel Burkhoff, MD, PhD

8:40 – 8:55 AM Current Indications and Contraindications of Veno-Arterial ECLS
Jacob Gutsche, MD

8:55 – 9:05 AM Unusual ECLS Indications – Sepsis
Cara Agerstrand, MD

9:05 – 9:15 AM Unusual ECLS Indications – Pulmonary Embolism
Taisei Kobayashi, MD

9:15 – 9:30 AM Case Discussion: Current Status of ECLS and TCS. Considerations and Current Gaps in Knowledge
Michael McMullan, MD

9:30 – 9:45 AM The Impact of ECLS on Patients with Advanced Cardiopulmonary Disease:
Patient Perspective
ECMO and timely intervention for shock; a patient perspective. Patient TBD

9:45 – 10:05 AM Keynote Speaker
The Evolution of Extracorporeal Cardiopulmonary Resuscitation
Robert Bartlett, MD

10:05 – 10:20 AM Panel Discussion with Q&A

Panel: Christian Bermudez, MD, Kasia Hryniwicz, MD, Justin Slesman, Daniel Burkhoff, MD, PhD, Jacob Gutsche, MD, Cara Agerstrand, MD, Michael McMullan, MD, Robert Bartlett, MD, Taisei Kobayashi, MD

10:20 – 10:40 AM Coffee Break

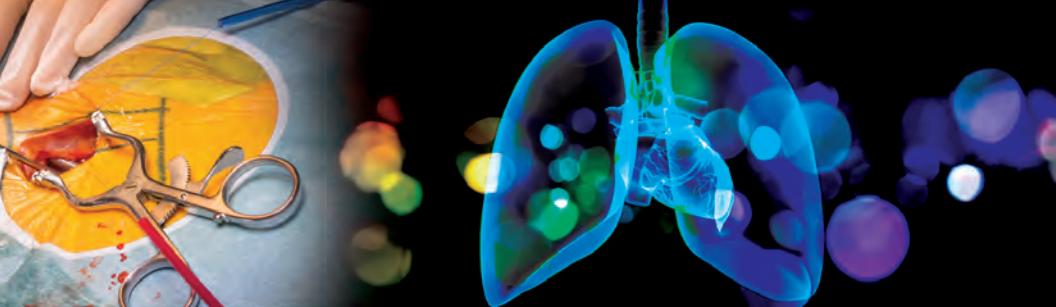
GENERAL TCS INTRODUCTION

Moderators: *Saif Anwaruddin, MD, Karol Mudy, MD, Matthew Williams, MD*

10:40 – 10:55 AM Physiology and Staging of Cardiogenic Shock
David Baran, MD

10:55 – 11:10 AM Overview of Current Temporary Right Ventricular Assist Devices
Edo Birati, MD

11:10 – 11:25 AM Overview of Current Temporary Left Ventricular Assist Devices
Saif Anwaruddin, MD



11:25 – 11:40 AM	Indications and Contraindications of TCS <i>Joyce Wald, DO, FACC, DO, FACC</i>
11:40 – 11:55 AM	Case Study: Decision Making and Work Flow of Patients on TCS: Device Selection and Escalation Strategies <i>J. Eduardo Rame, MD</i>
11:55 AM – 12:10 PM	Panel Discussion with Q&A <i>Panel: Saif Anwaruddin, MD, David Baran, MD, Edo Birati, MD, Karol Mudy, MD, J. Eduardo Rame, MD, Joyce Wald, DO, FACC, DO, FACC, Matthew Williams, MD</i>
12:10 – 1:00 PM	Lunch

HYBRID APPROACHES: WHEN DO WE COMBINE DEVICES?

Moderators: J. Eduardo Rame, MD, David Baran, MD, Christian Bermudez, MD

1:00 – 1:15 PM	Options to Manage LV Distention in Peripheral ECMO: IABP, Ecpella, ECMO with Direct LV Venting and ASD. <i>Karol Mudy, MD</i>
1:15 – 1:30 PM	Supporting the Right Ventricle in LVAD Patients (percutaneous RVAD, Central RVAD, or ECMO) <i>Jonathan Haft, MD</i>
1:30 – 1:45 PM	ECMO as a Bridge to Durable LVAD or Transplant <i>Christian Bermudez, MD</i>
1:45 – 2:00 PM	Case Study: Complex Case Presenting Possible Challenges of Device Combination <i>Karol Mudy, MD</i>
2:00 – 2:15 PM	Panel Discussion with Q&A <i>Panel: Christian Bermudez, MD, David Baran, MD, Jonathan Haft, MD, Karol Mudy, MD, J. Eduardo Rame, MD,</i>
2:15 – 2:30 PM	Coffee Break

ESTABLISHING AN ECMO / TCS PROGRAM

Moderators: Robert Bartlett, MD, Kasia Hryniwicz, MD

2:30 – 2:45 PM	Building an ECMO / TCS Program: The Multidisciplinary Teams and System Impact <i>Elizabeth Moore, MBA, RN</i>
2:45 – 3:00 PM	Finances: Funding, Billing and Reimbursement of an ECMO/TCS Program <i>Jonathan Haft, MD</i>
3:00 – 3:15 PM	The Shock Team: What is the Evidence and What are the Next Steps <i>Joyce Wald, DO, FACC, DO, FACC</i>
3:15 – 3:30 PM	Logistics and Transport <i>Dana Mullin, MS, CCP, LP</i>