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 Hryniewicz, MD, ELSO Course Director

GENERAL ECLS INTRODUCTION
Moderators: Christian Bermudez, MD, Kasia Hryniewicz, MD

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

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 Hryniewicz, MD, Justin Sleasman, 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
Joyce Wald, DO, FACC, DO, FACC

11:40 – 11:55 AM  Case Study: Decision Making and Work Flow of Patients on TCS:
Device Selection and Escalation Strategies
J. Eduardo Rame, MD

11:55 AM – 12:10 PM  Panel Discussion with Q&A
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

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.
Karol Mudy, MD

1:15 – 1:30 PM  Supporting the Right Ventricle in LVAD Patients
(percutaneous RVAD, Central RVAD, or ECMO)
Jonathan Haft, MD

1:30 – 1:45 PM  ECMO as a Bridge to Durable LVAD or Transplant
Christian Bermudez, MD

1:45 – 2:00 PM  Case Study: Complex Case Presenting Possible Challenges
of Device Combination
Karol Mudy, MD

2:00 – 2:15 PM  Panel Discussion with Q&A
Panel: Christian Bermudez, MD, David Baran, MD, Jonathan Haft, MD,
Karol Mudy, MD, J. Eduardo Rame, MD,

2:15 – 2:30 PM  Coffee Break

ESTABLISHING AN ECMO / TCS PROGRAM
Moderators: Robert Bartlett, MD, Kasia Hryniewicz, MD

2:30 – 2:45 PM  Building an ECMO / TCS Program:
The Multidisciplinary Teams and System Impact
Elizabeth Moore, MBA, RN

2:45 – 3:00 PM  Finances: Funding, Billing and Reimbursement of an ECMO/TCS Program
Jonathan Haft, MD

3:00 – 3:15 PM  The Shock Team: What is the Evidence and What are the Next Steps
Joyce Wald, DO, FACC, DO, FACC

3:15 – 3:30 PM  Logistics and Transport
Dana Mullin, MS, CCP, LP