

Program

7:30 a.m. **Registration**
8:00 **Opening Remarks**

SESSION I: (EMPIRE ROOMS A/B/C)

8:15 **Update from the ELSO Registry**
Steven Conrad, MD, PhD, FCCM

8:35 **Patient Selection**
Aly El-Banayosy, MD

8:55 **Anti-Coagulation Management in ECMO Therapy**
Michael H. Creer, MD

9:15 **Traumatic Soldiers' Injuries and ECMO**
Christof Schmid, MD

9:35 **Technology Update: Future Requests from the Industry**
Christian Bermudez, MD

9:55 **Session I Panel Discussion**
10:20 **Morning Break**

SESSION II: INTER-PROFESSIONAL—APPROACH TO ECMO PATIENT MANAGEMENT

10:45 **The Building Blocks of an ECMO Program**

- **Intensivist**—*Kane M. High, MD*
- **Nurse Practitioner**—*Christopher Gordon, CRNP*
- **Perfusion**—*Karl Woitas, CCP*
- **Nursing**—*Allana Langley, RN, MSN, CCRN, Vikki Cicchillo, RN, BS, CCRN*
- **Administrative/Financial**—*Holly Roush, BSN, RN, CCRN, Patti A. Wengert, MHA, RN, BSN*

Noon **Session II Panel Discussion**
12:30 **Lunch (no lecture)** (Wild Rose Room A/B)

SESSION III A: THE USE OF ECMO WITH ONGOING RESUSCITATION EFFORTS (EMPIRE ROOMS B/C)

1:30 **Resuscitation Efforts In and Out of the Hospital**
Morgan Le Guen

1:50 **ECMO in the Emergency Department**
Christopher Stark, DO

2:10 **The Use of ECMO Therapy in Organ Donation**
Ali Ghodsizad, MD, PhD

2:30 Ethical Discussion Regarding the Use of ECMO in Organ Donation/Panel Discussion

• **Buddhist and UNOS Perspectives**

Phillip C. Camp, MD

OPTN/UNOS Operation and Safety Committee, Past Chair; Assistant Professor, Brigham and Women's Hospital; Harvard Medical School, Program Director, Lung Transplant Program, Boston, MA

• **Jewish Perspectives**

Daniel Eisenberg, MD

*Department of Radiology
Einstein Medical Center
Philadelphia, PA*

• **Islamic Perspectives**

Prof. Faroque Ahmad Khan, MB, MACP

*Member Islamic Medical Association of North America Ethics Committee
Master American College of Physicians*

• **Ethical Discussion regarding the Use of ECMO in Organ Donation/Panel Discussion**

Greg Larsh, PhD, BCC, CSM

Chaplin Services, Penn State Milton S. Hershey Medical Center, Hershey, PA

• **Catholic Perspectives**

Stephen Mikochik, JD

Professor Emeritus, Temple University School of Law, Doylestown, PA

• **Hindu Perspectives**

Mukul Parikh, MD

Chairman, Department of Anesthesia, Pinnacle Health System, Harrisburg, PA

3:20 Afternoon Break

SESSION III B: PATIENT MANAGEMENT—PULMONARY FAILURE (EMPIRE ROOM A)

1:30 The Latest Updates in the Medical Management of ARDS

Margaret M. Wojnar, MD

1:50 The Use of a Double Lumen Catheter in the Management in the Patient with ARDS

Christian Bermudez, MD

2:10 Double Lumen Catheter Placement Strategies

(video) Christoph E. Brehm, MD

2:30 Modern Strategies of Circulatory Support in Respiratory Failure

Christian Bermudez, MD

2:50 Session III B Panel Discussion

3:20 Afternoon Break

SESSION IV A: PATIENT MANAGEMENT—CARDIOGENIC SHOCK (EMPIRE ROOMS B/C)

3:40 INTERMACS 1 and Beyond

Joseph Rogers, MD

4:00 Predictors of Survival in Those with A/V ECMO

Nader Moazami, MD

4:20 Case Presentations

Christof Brehm, MD

Ali Ghodsizad, MD, PhD

- Canulation Issues
- Left Ventricular Unloading

5:00
5:30

Session IV A Panel Discussion
Program Adjournment

SESSION IV B: PATIENT MANAGEMENT—LUNG TRANSPLANT (EMPIRE ROOM A)

3:40 **ECMO as a Bridge to Lung Transplant: What is Next?**
Christian Bermudez, MD

4:00 **The Latest in Lung Transplant**
Akira Shiose, MD, PhD

4:20 **Pulmonary Case Presentation**
Christian Bermudez, MD
Christof Schmid, MD, MD
Akira Shiose, MD, PhD

5:00 **Session IV B Panel Discussion**

5:30 **Program Adjournment**

Faculty

Christian Bermudez, MD

*Associate Professor of Cardiothoracic Surgery
Chief, Division of Cardiothoracic Transplantation
Surgical Director, ECMO Program
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania*

Christoph Brehm, MD^{o*}

*Assistant Professor of Medicine, Division of Cardiology
Intensive Care Unit*

Vikki Cicchillo, RN, BS, CCRN^o

Staff Nurse

Michael H. Creer, MD*

*Professor and Chief of Clinical Pathology
Director, Clinical Laboratory*

Steven A. Conrad, MD, PhD, FCCM

*Professor of Medicine, Emergency Medicine
Director, Critical Care Medicine
Director, ECLS Service
Louisiana State University Health Sciences Center
Shreveport, Louisiana*

Aly El-Banayosy, MD^{o*}

*Professor of Surgery and Medicine
Medical Director, Penn State Hershey
Heart and Vascular Institute Intensive Care Unit
Medical Director, Mechanical Circulatory Support*

Ali Ghodsizad, MD, PhD^{o*}

*Assistant Professor of Surgery
Heart Failure, Cardiac Transplantation and Mechanical Circulatory Support*

Christopher K. Gordon, CRNP^o

Nurse Practitioner

Bartley P. Griffith, MD

*Professor of Surgery
Thomas E. and Alice Marie Hales Distinguished
Professor and Chief, Division of Cardiac Surgery
Director, Heart and Lung Transplantation
Co-director, UM Comprehensive Heart Center
University of Maryland Medical Center
Baltimore, Maryland*

Kane M High, MD*

*Associate Professor
Director, Cardiac & Vascular Anesthesia*

Allana Langley, RN, MSN, CCRN^o

Heart and Vascular Critical Care Unit

Morgan Le Guen

*Researcher
Université de Versailles Saint Quentin
Anesthesiology, Foch Hospital
Versailles, France*

Nader Moazami, MD

*Surgical Director of the Kaufman Center for Heart
Transplantation and Mechanical Circulatory Support
Staff Surgeon, Department of Thoracic and Cardiovascular Surgery
The Department of Biomedical Engineering
Lerner Institute of Research Cleveland Clinic
Cleveland, Ohio*

Joseph G. Rogers, MD

*Associate Professor of Medicine, Division of Cardiology
Duke University School of Medicine
Durham, North Carolina*

Holly Roush, BSN, RN, CCRN^o

Practice Director

Christof Schmid, MD

*Head of the Department of Cardiothoracic Surgery
University Hospital Regensburg
Regensburg, Germany*

Akira Shiose, MD, PhD

*Assistant Professor of Surgery
Temple University School of Medicine
Philadelphia, Pennsylvania*

Christopher Stark, DO^{o*}

*Assistant Professor, Emergency Department
Medical Director*

Patti A. Wengert, MHA, RN, BSN^o

Director of Nursing/Operations

Margaret M Wojnar, MD*

*Professor of Medicine
Division of Pulmonary, Allergy, and Critical Care Medicine*

Karl Woitas, CCP^o

Perfusionist

^o Penn State Hershey Heart & Vascular Institute

* Penn State Milton S. Hershey Medical Center, Penn State College of Medicine, Hershey, Pennsylvania