2nd Annual UPMC Lung Transplant Symposium

October 4—6, 2017

University of Pittsburgh Medical Center
Thomas E. Starzl Biomedical Science Tower
UPMC Presbyterian Hospital
200 Lothrop Street
Pittsburgh, PA 15213

Presented by:
University of Pittsburgh School of Medicine
Center for Continuing Education in the Health Sciences
University of Pittsburgh Department of Cardiothoracic Surgery
University of Pittsburgh Department of Medicine, Division of Pulmonary, Allergy and Critical Care

University of Pittsburgh Course Directors:

Jonathan D’Cunha, MD, PhD, FACS
Chief, Division of Lung Transplant/Lung Failure
Associate Professor of Cardiothoracic Surgery
Vice Chairman, Research Affairs and Education
Department of Cardiothoracic Surgery, UPMC

Matthew R. Morrell, MD
Medical Director, Lung Transplantation
Associate Professor of Medicine
Division of Pulmonary, Allergy and Critical Care Medicine, UPMC

Simulation Lab Director:

Lara Schaheen, MD
Chief Resident, Department of Cardiothoracic Surgery, UPMC

Invited Faculty:

Matthew G. Hartwig, MD
Associate Professor of Surgery
Program Director, Minimally Invasive Thoracic Surgery Fellowship
Duke University Health System

Ramsey Hachem, MD
Tracey C. Marshall—Dr. Elbert P. Trulock Distinguished Professor of Surgery
John T. Milliken Department of Medicine, Division of Pulmonary and Critical Care Medicine
Washington University School of Medicine

Alessandro Bertani, MD, PhD
Chief, Division of Thoracic Surgery and Lung Transplantation
ISMETT-UPMC Italy (Palermo)
**Venues:**

**Day 1:** Thomas E. Starzl Biomedical Science Tower, Room S123  
Thomas E. Starzl Biomedical Science Tower, 9th Floor Animal Laboratory

UPMC Presbyterian Hospital  
200 Lothrop Street  
Pittsburgh, PA 15213

**Day 2:** Thomas E. Starzl Biomedical Science Tower, Conference Room S-120  
UPMC Presbyterian Hospital  
200 Lothrop Street  
Pittsburgh, PA 15213

Fox Chapel Golf Club  
426 Fox Chapel Road  
Pittsburgh, PA 15238

**Day 3:** Thomas E. Starzl Biomedical Science Tower, Conference Room S-100A  
UPMC Presbyterian Hospital  
200 Lothrop Street  
Pittsburgh, PA 15213

**Who Should Attend:**

This program is intended for pulmonologists, transplant attending surgeons, medicine and surgical residents and fellows, transplant coordinators and nurses, transplant administrators, family practice groups, infectious disease healthcare professionals, transplant anesthesiologists, basic science researchers associated with pulmonary disease, lung transplant, and emerging technology in this field.

**Day 1: Heart/Lung Procurement Wet Lab**

*Thomas E. Starzl Biomedical Science Tower, S123 and 9th Floor Animal Laboratory*

**8:00-8:30am:** Registration and Breakfast

8:30-8:45am: Introduction, Goals and Objectives  
*Jonathan D’Cunha, MD, PhD and Lara Schaheen, MD*

8:45-9:15am: Pre-Test

**SECTION I: Current Practices in Organ Allocation and Management**

9:15-9:45am: Didactic

What makes a good lung?  
*Jonathan D’Cunha, MD, PhD*

What makes a good heart?  
*Christopher Sciortino, MD, PhD*
9:45-10:15am: Heart/Lung Procurement  
*Lara Schaheen, MD*

10:15-10:35am: Extending the Donor Pool  
*Jonathan D’Cunha, MD, PhD, FACS*

10:35-11:05am: Ex Vivo Lung Perfusion  
*Pablo Sanchez, MD, PhD*  
- Indications  
- Technique  
- What Makes a Good EVLP Lung?  
- Understanding EVLP Outcomes and Patient Population

**11:05-11:30am:** Lunch

**SECTION II: Heart and Lung Donor Procurement Simulation Lab**

11:30-11:45am: Participants will be divided into three groups to rotate through the heart/lung procurement lab, lung case scenarios, and heart case scenarios; travel time is allotted

11:45am-1:00pm:  
Group A: Heart/Lung Procurement  
Group B: Scenarios  
Group C: Ex Vivo Lung Perfusion

1:00-1:15pm: Travel time allotted

1:15pm-3:00pm:  
Group A: Ex Vivo Lung Perfusion  
Group B: Heart/Lung Procurement  
Group C: Scenarios

3:00-3:15pm: Travel time allotted

3:15pm-4:30pm:  
Group A: Scenarios  
Group B: Ex Vivo Lung Perfusion  
Group C: Heart/Lung Procurement

4:30-5:00pm: Post-Test and Closing Remarks

5:00pm: Day 1 Adjournment

**Day 2: Didactic Sessions**

*Thomas E. Starzl Biomedical Science Tower, Conference Room S120*

**8:30-9:00am:** Registration and Breakfast
9:00-9:10am:  Introduction and Opening Remarks  
Jonathan D’Cunha, MD, PhD, FACS and Matthew R. Morrell, MD

SECTION III: Programmatic Considerations

9:10-9:40am:  2,000 Thoughts on 2,000 Lung Transplants  
Jonathan D’Cunha, MD, PhD, FACS

9:40-10:00am:  European Perspective on Lung Transplant  
Alessandro Bertani, MD, PhD

10:00-10:10am:  “Organ Referral: You’re on a Recorded Line”  
Roy Hill

10:10-10:20am:  Getting to the CORE of It All: The OPO Intervention  
Kurt Shutterly, RN, CPTC

10:20-10:30am:  Administrative Challenges for a High-Volume Transplant Center  
Travis Watson, RN, MBA

10:30-10:40am:  Advanced Practice Providers: The Glue that Binds  
Marissa Behning, PA-C, MPAS

10:40-10:50am:  Morning Break

SECTION IV: Preoperative Evaluation and Selection

10:50-11:10am:  Controversies in Patient Candidacy: Pushing the Envelope  
Matthew Pipeling, MD

11:10-11:30am:  Second Candidacy Talk  
TBD

11:30-11:50am:  What role do HLA Antibodies Play in Lung Transplantation?  
Adriana Zeevi, PhD

11:50am-12:00pm:  Establishing and Evaluating Social Support Systems  
TBD

12:00-1:00pm:  Lunch and Complex Case Review  
TBD

SECTION V: Perioperative Aspects of Lung Transplantation

1:00-1:20pm:  Perioperative Technical Considerations of Lung Transplant  
Jonathan D’Cunha, MD, PhD, FACS
1:20-2:00pm: ECMO as a Bridge to Transplant  
*Amy Hackmann, MD*

2:00-2:30pm: Ex Vivo Lung Perfusion  
*Pablo Sanchez, MD, PhD*

2:30-2:50pm: Lung Basal Metabolic Rate  
*Jon McDyer, MD*

2:50-5:00pm: ECMO Device Exposition  
*Mahesh Sharma, MD*

5:00pm: Adjournment

6:00-10:00pm: Technology Displays, Cocktail Hour and Course Dinner

The Fox Chapel Golf Club  
426 Fox Chapel Road  
Pittsburgh, PA 15238

**Day 3: Didactic Sessions**

*Thomas E. Starzl Biomedical Science Tower, Conference Room S120*

7:30-8:00am: Registration and Breakfast

8:00-8:10am: Introduction and Opening Remarks  
*Jonathan D’Cunha, MD, PhD, FACS and Matthew R, Morrell, MD*

8:10-8:40am: The Duke Transplant Experience: Lessons Learned  
*Matthew G. Hartwig, MD*

8:40-9:10am: Anesthesia for Lung Transplant  
*Theresa A. Gelzinis, MD*

**SECTION VI: Postoperative Challenges of Lung Transplantation**

9:10-9:30am: Lessons Learned from the Cardiothoracic Intensive Care Unit  
*Penny L. Sappington, MD*

9:30-9:50pm: Infections Post-Transplant  
*Minh-Hong T. Nguyen, MD and Eun Jeong Kwak, MD*

9:50-10:10am: Immunosuppresion  
*Christopher R. Ensor, PharmD, BCPS*

10:10-10:20am: Speech Pathology  
*TBD*
10:20-10:30am: Morning Break

10:30-10:50: Aspiration, feeding access, and complications
Jonathan D’Cunha, MD, PhD, FACS

10:50-11:10am: Airway Complications
Jonathan D’Cunha, MD, PhD, FACS

11:10-11:40am: BOS and Allograft Rejection
Ramsey Hachem, MD

11:40am-12:40pm: Lunch and Patient Perspective
William Strickland, Jr.
President and CEO, Manchester Bidwell Corporation

SECTION VII: Special Populations

12:40-1:00pm: Scleroderma
Silpa Kilaru, MD

1:00-1:30pm: Cystic Fibrosis
Joseph Pilewski, MD

1:30-2:00pm: Hepatitis C and other High Risk Situations
Matthew M. Morrell, MD

2:00-2:30pm: GERD, Patients with Prior History of Foregut Issues and Surgeries
James D. Luketich, MD, FACS

2:30-2:50pm: Post-Transplant Guidelines: Extending the Quantity and Quality of Life in Recipients
Rachelle Zomak, RN, MS, CCTC

2:50-2:15pm: Final Question and Answer, Debate Session

2:15pm: Closing remarks and adjournment
Jonathan D’Cunha, MD, PhD
Matthew R. Morrell, MD

Course Adjournment

UNIVERISTY OF PITTSBURGH FACULTY:

Jonathan D’Cunha, MD, PhD, FACS
Chief, Division of Lung Transplant/Lung Failure
Christopher R. Ensor, PharmD, BCPS-CV
Assistant Professor of Pharmacy and Medicine
Associate Member, Thomas E. Starzl Transplantation Institute
Clinical Faculty, Thoracic Transplantation

Theresa A. Gelzinis, MD
Associate Professor of Anesthesiology
Department of Anesthesiology

Silpa Kilaru, MD
Clinical Assistant Professor of Medicine
Department of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine

Eun Jeong Kwak, MD
Assistant Professor of Medicine
Transplant Infectious Disease: Protocols and Performance Improvement Directors
Department of Medicine, Division of Infectious Disease

James D. Luketich, MD, FACS
Henry T. Bahnson Professor of Cardiothoracic Surgery
Chairman, Department of Cardiothoracic Surgery
Chief, Division of Thoracic and Foregut Surgery
Department of Cardiothoracic Surgery

John F. McDyer, MD
Associate Professor of Medicine
Department of Medicine, Division of Pulmonary, Allergy and Critical Care Medicine

Matthew R. Morrell, MD
Medical Director, Lung Transplantation
Associate Professor of Medicine
Department of Medicine, Division of Pulmonary, Allergy and Critical Care Medicine

Minh-Hong Nguyen, MD
Professor of Medicine
Director, Transplant Infectious Diseases
Director, Antimicrobial Management Program
Department of Medicine, Division of Infectious Diseases

Joseph M. Pilewski, MD
Associate Chief for Clinical Affairs
Associate Professor of Medicine
Co-Director, Adult Cystic Fibrosis Program
Division of Pulmonary, Allergy, and Critical Care Medicine,

Matthew R. Pipeling, MD
Assistant Professor of Medicine
Department of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine

Penny L. Sappington, MD
Assistant Professor of Critical Care Medicine
Medical Director, Surgical Intensive Care Unit
Department of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine

Christopher Sciortino, MD, PhD
Assistant Professor of Cardiothoracic Surgery
Surgical Director, UPMC Advanced Heart Failure Center

Adriana Zeevi PhD (D) ABHI
Professor of Pathology, Surgery and Immunology
Director of Tissue Typing Laboratory
University of Pittsburgh Medical Center

UPMC FEATURED SPEAKERS:

Marissa Behning, PA-C, MPAS
Supervisor, Cardiothoracic Surgery Advanced Practice Providers
Department of Cardiothoracic Surgery

Roy Hill
Manager, UNOS Data & ORC
United Networks for Organ Sharing (UNOS) Data and ORC

Travis Watson, RN, MBA
Transplant Program Administrator

Rachelle Zomak, RN, MS, CCTC
Manager, Cardiothoracic Transplant
Department of Cardiothoracic Surgery

OTHER FEATURED SPEAKERS:

Alessandro Bertani, MD, PhD
Chief, Division of Thoracic Surgery and Lung Transplantation
ISMETT-UPMC Italy (Palermo)

Ramsey Hachem, MD
Tracey C. Marshall—Dr. Elbert P. Trulock Distinguished Professor of Surgery
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Matthew G. Hartwig, MD
Associate Professor of Surgery
Program Director, Minimally Invasive Thoracic Surgery Fellowship
Duke University Health System

Kurt Shutterly, RN, CPTC
Chief Operating Officer
The Center for Organ Recovery and Education (CORE)

This activity has been approved for AMA PRA Category 1 Credit(s)™

Category I Continuing Education Points for Transplant Certification (CEPTCs) have been applied for through the American Board for Transplant Certification (ABTC).

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Continuing Education Credit

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

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