November 10-11, 2016

THOMAS E. STARZL BIOMEDICAL SCIENCE TOWER • UPMC PRESBYTERIAN
200 LOTHRROP 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

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
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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, UPMC

Norihisa Shigemura, MD, PhD
Associate Professor of Cardiothoracic Surgery
Director, Lung Transplantation Research Program
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J. W. Awori Hayanga, MD, MPH, FACS
Assistant Professor of Cardiothoracic Surgery
Director, Lung Transplantation Outcomes Research
Department of Cardiothoracic Surgery, UPMC

Guest Faculty/Wet-Lab Co-Director:

Hannah Copeland, MD
The Hunter Holmes McGuire VA Medical Center

UPMC TRANSPLANT SERVICES
**DAY 1: HEART/LUNG PROCUREMENT WET LAB**  
*Thomas E. Starzl Biomedical Science Tower, Conference Room 1295 and 9th Floor Animal Lab Facility – Registration in Lobby*

<table>
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<th>Time</th>
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<tr>
<td>7:30-8:00 am</td>
<td>Registration and Breakfast</td>
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| 8:00-9:00 am  | Introduction, Goals and Objectives  
*Jonathan D’Cunha, MD, PhD*  
**Lunch will be provided in scenario area**  
11:15am-12:45 pm: Group A: Heart/Lung Procurement  
Group B: Lung Case Scenarios  
Group C: Heart Case Scenarios |
| 9:00-9:30 am  | Pre-Test                                                                                       |
| 9:30-10:30 am | Didactic  
What makes a good lung?  
*Hannah Copeland, MD*  
What makes a good heart?  
*Christopher Sciortino, MD, PhD*  
12:45pm-2:15 pm: Group A: Heart Case Scenarios  
Group B: Heart/Lung Procurement  
Group C: Lung Case Scenarios |
| 10:30-11:00 am| Heart/Lung Procurement  
*Jonathan D’Cunha, MD, PhD*  
**Lunch will be provided in scenario area**  
2:15pm-3:45 pm: Group A: Lung Case Scenarios  
Group B: Heart Case Scenarios  
Group C: Heart/Lung Procurement |
| 11:00-11:15 am| Coffee and Snack Break, participants will be divided into three groups to rotate through heart/lung procurement lab, lung case scenarios, and heart case scenarios |
| 11:15am-12:45 pm| Group A: Heart/Lung Procurement  
Group B: Lung Case Scenarios  
Group C: Heart Case Scenarios |
| 12:45pm-2:15 pm| Group A: Heart Case Scenarios  
Group B: Heart/Lung Procurement  
Group C: Lung Case Scenarios |
| 2:15pm-3:45 pm| Group A: Lung Case Scenarios  
Group B: Heart Case Scenarios  
Group C: Heart/Lung Procurement |
| 3:45-4:30 pm | Post-Test and Adjournment                                                                        |

**DAY 2: DIDACTIC SESSIONS**  
*Thomas E. Starzl Biomedical Science Tower, Conference Room S120*

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| 8:00-8:10 am  | Introduction and Opening Remarks  
*Jonathan D’Cunha, MD, PhD*  
*Matthew R. Morrell, MD*  
**Lunch will be provided in scenario area**  
10:40-10:50 am: Section Summary/Panel Question & Answer  
*Jonathan D’Cunha, MD, PhD*  
*Matthew R. Morrell, MD* |
| 8:10-8:30 am  | Review of Evaluation of Pre-Transplant Candidates  
*Elizabeth A. Lendermon, MD*  
**SECTIONS I: Transplant Evaluation Process** |
| 8:30-8:50 am  | Recipient Selection: How We Do It in Pittsburgh  
*Lisa Carozza, RN, MSN, CCTC*  
10:50-11:05 am: What Makes a Good Donor?  
*Hannah Copeland, MD*  
**SECTION II: Connecting the Donor and the Recipient** |
| 8:50-9:10 am  | Controversies in Patient Candidacy: Pushing the Envelope  
*Matthew Pipeling, MD*  
11:05-11:20 am: Anesthesia for Lung Transplant  
*Theresa A. Gelzinis, MD*  
**SECTION III: Surgical Considerations** |
| 9:10-9:30 am  | Scleroderma: Our Success Story  
*Silpa Kilaru, MD*  
11:20-11:35 am: Bilateral Sequential Lung Transplantation  
*Jonathan D’Cunha, MD, PhD*  
11:35-11:50 pm: EVLP in 2016: Problems and Pitfalls  
*Norihisa Shigemura, MD, PhD*  
12:05-1:00 pm: Lunch and Complex Case Discussion |
| 9:30-9:40 am  | Section Summary  
*Jonathan D’Cunha, MD, PhD*  
*Matthew R. Morrell, MD*  
1:00-1:15 pm: Lessons Learned from the Cardiothoracic Intensive Unit  
*Penny Sappington, MD*  
1:15-1:35 pm: Gastroesophageal reflux disease and Lung Transplant  
*James D. Luketich, MD* |
| 9:40-9:55 am  | Coffee, Tea, and Morning Snack Break  
**SECTION II: Connecting the Donor and the Recipient**  
9:55-10:10 am: Administrative Challenges for a High Volume Transplant Center  
*Susan Umerley, MBA, FACHE, CMPE* |
| 10:10-10:25 am| “Organ Referral: You’re On a Recorded Line”  
*Roy Hill*  
1:35-1:45 pm: Feature Question and Answer Session |
| 10:25-10:40 am| Getting to the Core of it all: The OPO Intervention  
*Kurt Shutterly, RN, CPTC*  
**SECTION III: Surgical Considerations**  
1:45-2:00 pm: The Mid-Level Practitioner: The Glue that Binds  
*Marissa Behning, PA-C, MPAS*  
2:00-2:10 pm: Section Summary  
*Jonathan D’Cunha, MD, PhD*  
*Matthew R. Morrell, MD* |
SECTION IV: Post-Transplant Management

2:10-2:30 pm: What role do HLA Antibodies Play in Lung Transplantation?
Adriana Zeevi, MD

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

2:50-3:10 pm: Tackling Atypical Pulmonary Infections: Fungal and Mycobacterial Pathogens
Minh-Hong T. Nguyen, MD and Eun Jeong Kwak, MD

3:10-3:25 pm: Coffee, Tea and Afternoon Snack Break

3:25-3:45 pm: Viral Infections in Lung Transplantation
Christopher R. Ensor, PharmD, BCPS-CV

3:45-4:05 pm: Post-transplant Care of the Patient with Cystic Fibrosis
Joseph M. Pilewski, MD

4:05-4:25 pm: Novel Therapies for Chronic Lung Allograft Dysfunction
Matthew R. Morrell, MD

4:25-4:45 pm: Collaborative Research: How We Do It in Pittsburgh
Jonathan McDyer, MD and Norihisa Shigemura, MD, PhD

4:45-4:55 pm: Section Summary

6:00 pm: Technology Displays and Cocktail Hour
The Fox Chapel Golf Club

7:00 pm: Course Dinner
The Fox Chapel Golf Club
426 Fox Chapel Road • Pittsburgh, PA 15238

UNIVERSITY OF PITTSBURGH FACULTY:

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Assistant Professor of Pharmacy and Medicine
Associate Member, Thomas E Starzl Transplantation Institute
Clinical Faculty, Thoracic Transplantation

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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 Diseases

Elizabeth A. Lendermon, MD
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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

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Director, Transplant Infectious Diseases
Director, Antimicrobial Management Program
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Penny Sappington, MD
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Medical Director, Surgical ICU
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Christopher Sciortino, MD, PhD
Assistant Professor of Cardiothoracic Surgery
Surgical Director, UPMC Advanced Heart Failure Center

Norihisa Shigemura, MD, PhD
Associate Professor of Cardiothoracic Surgery
Director, Lung Transplantation Research Program
Department of Cardiothoracic Surgery, Division of Lung Transplant/Lung Failure

Adriana Zeevi, PhD
Professor of Pathology, Surgery and Immunology
Department of Pathology
UPMC FEATURED SPEAKERS:

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

Lisa Carozza, RN, MSN, CCTC
Transplant Coordinator II
Department of Cardiothoracic Surgery

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

Susan Umerley, MBA, FACHE, CMPE
Transplant Program Administrator

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

OTHER FEATURED SPEAKERS:

Hannah Copeland, MD
Attending Cardiothoracic Surgeon
The Hunter Holmes McGuire VA Medical Center

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).

The University of Pittsburgh is an affirmative action, equal opportunity institution.