

THORACon | Conference Series

Advanced Lung Disease Conference

Novel Therapies and
Controversies

WEBCAST LIVE
Dec. 5-6, 2020

Baylor
College of
Medicine

MICHAEL E. DeBAKEY
DEPARTMENT OF
SURGERY

CO-DIRECTORS



Gabriel Loor, MD
Cardiothoracic Transplant and
Circulatory Support



Prasad Manian, MBBS, MD
Pulmonary Critical Care and Sleep
Medicine



Ivan O. Rosas, MD
Pulmonary Critical Care and Sleep
Medicine



Puneet S. Garcha, MD
Pulmonary Critical Care and Sleep
Medicine

PLANNING COMMITTEE

Susan Ressler
Scott Holmes
Lisa Contreras
Dr. Todd Rosengart
Ronnetta Etter
Ashley Benning

Elaine Allbritton
Stephanie Jackson
Brenda Jones
Nicole Varisco

PROGRAM OVERVIEW

The Advanced Lung Disease: Novel Therapies and Controversies Conference will have engaging state-of-the-art multidisciplinary lectures focused on the causes diagnosis, prevention, and treatment of diseases affecting the lungs, including cystic fibrosis, COPD, Interstitial Lung Disease, pulmonary hypertension and adult congenital heart diseases. The course will also feature panel sessions to provide clinicians the opportunity to discuss specific treatment challenges, the role of the caregivers, transplant coordinators and logistics of transplantation and methods that will be useful in their practices.

Advanced lung diseases affects a large part of the population and contributes significantly to morbidity and mortality. Novel therapies for diseases such as cystic fibrosis, COPD, Interstitial Lung Disease, pulmonary hypertension and adult congenital heart diseases have given patients a chance at a new and healthier life. Transplantation is a major part of the innovation for providing these patients a new lease on life, but there are many steps and considerations along the way that can add to quality life years. The conference seeks to provide practitioners, trainees, patients and associated staff with a look at the horizon of advanced lung therapies. Novel therapies such as ex vivo lung perfusion, airway stenting, biopsies, gene therapy, stem cells, bronchial valves and lung volume reduction therapy will be discussed. Break out sessions will discuss the role of the caregivers, transplant coordinators and logistics of transplantation.

Saturday, December 5, 2020

8:00-8:15am Welcome/Opening Remarks
Drs. Ivan Rosas and Gabriel Loor

Session I - Interstitial Lung Disease Part 1

8:15-8:30am Diagnostic Approach to ILD
Dr. Gregory Cosgrove

8:30-8:45am Antifibrotics in IPF and Beyond
Dr. Ivan Rosas

8:45-9:00am Acute Exacerbation of ILD
Dr. Steven Duncan

9:00-9:15am Panel Discussion
Dr. Anupam Kumar

Session II - Interstitial Lung Disease Part 2

9:15-9:30am Autoimmune ILD
Dr. Sandeep Agarwal

9:30-9:45am Hypersensitivity Pneumonitis
Dr. Moises Selman

9:45-10:00am Sarcoidosis
Dr. Dan Culver

10:00-10:15am When to Refer to Transplant
Dr. Puneet Garcha

10:15am-10:30am Panel Discussion
Dr. Ivan Rosas

10:30-10:45am Break

Session III - Airway Diseases

10:45-11:00am Difficult to Control Asthma
Dr. Nick Hanania

11:00-11:15am Non CF Bronchiectasis
Dr. Tara Barto

11:15-11:30am COPD Exacerbation - Reducing LOS and Readmissions Dr. Prasad Manian

11:30-11:45am Bronchoscopic and Surgical LVRS
Dr. Philip Carrott and Dr. Ali Jiwani

11:45-12:00pm Panel Discussion
Dr. David Wu

12:00-12:30pm **Keynote Speaker**

12:30-1:00pm Break

Session IV - COVID-19

1:00-1:15pm COVID-19: Vaccine Development
Dr. Peter Hotez

1:15-1:30pm COVID-19: Critical Care Management
Dr. James Herlihy

1:30-1:45pm COVID-19: ECMO
Dr. Subhasis Chatterjee

1:45-2:00pm Pulmonary Hypertension - Treatment
Dr. Sandeep Sahay

2:00-2:15pm Pulmonary Hypertension - Diagnostics
Dr. Deb Levine

2:15-2:30pm Panel Discussion
Dr. Ivan Rosas and Dr. Ajith Nair

2:30-2:45pm Break

Session V - General Pulmonary

2:45-3:00pm Interventional Pulmonary Updates
Dr. Ali Jiwani

3:00-3:15pm Cystic Fibrosis Mutation-Directed Therapy
Dr. Tara Barto

3:15-3:30pm Lung Cancer Screening
Dr. Prasad Manian

3:15-3:30pm STEM Cells Dr. Luis Ortiz

3:30-4:00pm Wrap Up/Final Comments

Sunday, December 6, 2020

7:30-7:45am Opening Remarks
Dr. Gabriel Loor

Session VI - Medical Aspects of Lung Transplantation

7:45-8:00am Lung Transplantation from the Patient's Perspective
Dr. Karla Sageth

8:00-8:15am Lung Transplantation Indications, Preoperative
Evaluation and Outcomes
Dr. Puneet Garcha

8:15-8:30am Early and Late Inflammatory Challenges to the
Lung Allograft
Dr. Gloria Li

8:30-8:45am Infectious Considerations in Lung Transplantation
Dr. Marion Miller

8:45-9:00am Panel Discussion
Dr. Anupam Kumar

9:00-9:15am Break

Session VII - Technical Innovations in Transplantation

9:15-9:45am *David J. Sugarbaker Keynote Address*
Dr. Bartley Griffith
Developing the Mechanical Artificial Lung

9:45-10:00am Surgical Aspects of Lung Transplantation
Dr. Alexis Shafii

10:00-10:15am Airway Complications and Endobronchial
Interventions
Dr. Babith Mankidy

10:15-10:30am Foregut Considerations in Lung Transplantation
Dr. Ross Bremner

10:30-10:45am Bridging to Lung Transplant with ECMO
Dr. Matthew Hartwig

10:45-11:00am Surgical Challenges for Advanced COPD
Dr. Philip Carrott

11:00-11:15am Panel Discussion
Dr. Kenneth Liao

11:15-11:30am Break

Session VIII - Organ Donation

11:30-11:45am Donor-Recipient Interactions and their Effect On
Outcomes
Dr. Michael Smith

11:45-12:00pm Update on Organ Donation, Management and
Logistics
Dr. R. Patrick Wood

12:00-12:15pm Update on Ex-Vivo Lung Perfusion as a Platform
for Organ Preservation and Recovery
Dr. Gabriel, Loor

12:15-12:30pm Panel Discussion
Dr. Ivan Rosas

12:30-1:00pm **Keynote Speaker Dr. Joan Nichols**
Developing the Biological Artificial Lung

1:00-1:15pm Closing Remarks
Dr. Puneet Garcha