AT THE LEADING EDGE: New Frontiers in Pulmonary Hypertension and ECMO

Thursday, January 8, 2015
8:00am – 5:00pm

NewYork-Presbyterian/Columbia University Medical Center
Vivian and Seymour Milstein Family Heart Center
New York City

Program Co-Directors:
Matthew Bacchetta, MD, MBA, MA
Erika Berman Rosenzweig, MD
Daniel Brodie, MD
Overall Goals

This one day CME-accredited educational course will focus on challenging aspects in diagnosing and treating pulmonary hypertension and acute respiratory failure, with a specific focus on the use of extracorporeal membrane oxygenation (ECMO). Internationally recognized experts in the field will offer cutting edge advice relating to diagnosis and management. Major advances in the application of ECMO will be reviewed, as will the potential treatment options. Attendee participation and interaction will be facilitated through Q&A sessions.

Learning Objectives

- Recognize which new treatment strategies are available to patients with specific types of pulmonary hypertension
- Identify when a patient meets criteria for referral to a specialized pulmonary hypertension center
- Discuss the criteria for patients that may be eligible for ECMO
- Define the process for when you refer patients for ECMO transport

Target Audience

This activity is designed for critical care physicians, cardiologists, pediatric cardiologists, pediatric intensivists, pulmonologists, thoracic surgeons, ICU nurses, nurse practitioners, and other medical professionals involved in the management and treatment of patients with pulmonary hypertension and acute respiratory distress syndrome.

Accreditation

The College of Physicians and Surgeons of Columbia University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

The College of Physicians and Surgeons designates this live activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses and physician assistants are encouraged to check with their accrediting organization to ensure they accept AMA PRA Category 1 Credits™.

Support

We expect support for this program through grants from pharmaceutical and medical device companies.
Course Organizers

Program Administrator
Deborah Schwarz, RPA, CIBE
Executive Director and
Chief Communications Officer
Columbia University Medical Center
Department of Surgery, External Affairs

Program Coordinator
Jessica Scully
Senior Events Coordinator
Columbia University Medical Center
Department of Surgery, External Affairs
Telephone: 212-304-7817
Fax: 212-304-7811
E-mail: jas2134@cumc.columbia.edu

Meeting Location

NewYork-Presbyterian/
Columbia University Medical Center
Vivian and Seymour Milstein Family
Heart Center
Myrna L. Daniels Auditorium
173 Fort Washington Avenue, First Floor
New York, NY 10032

Registration
Outside of the
Myrna L. Daniels Auditorium

Didactics
Myrna L. Daniels Auditorium

Meals & Vendor Exhibits
Riverview Terrace

Travel & Hotel Information

Local Area Hotels
For a listing of local area hotels, please visit www.ColumbiaSurgeryCME.org and
select PHT/ECMO CME.

Subway
Take the 1, A, C lines to 168th Street – Washington Heights/Broadway.

Parking
Parking is available at the NewYork-Presbyterian/Columbia University Medical
Center parking garage, located on the southwest corner of Fort Washington
Avenue and West 165th Street. Parking fee is NOT included with registration.

Valet parking is available at the entrance of the Milstein Hospital Building
located at 177 Fort Washington Avenue.
Program Agenda

8:00am  Registration, Breakfast & Vendor Exhibits
8:45am  Welcoming Remarks

SESSION I: PULMONARY HYPERTENSION IN 2015: GETTING UP TO SPEED
9:00am  Where we’ve been: PAH as a universally fatal disease
        — Lewis J. Rubin, MD
9:15am  Not all PH is PAH: Making the right diagnosis – the basic algorithm and beyond
        — Jennifer Haythe, MD
9:30am  What’s new in medical therapies for PAH?
        — Erika Berman Rosenzweig, MD
9:45am  Associated PH & congenital heart disease: To close or not to close?
        — Usha Krishnan, MD
10:00am Questions & Answers

SESSION II: PULMONARY HYPERTENSION: THE CUTTING EDGE
10:15am  Surgical approaches to treatment of PE and PH (CTEPH/PTE, Embolectomy)
         — Matthew Bacchetta, MD, MBA, MA
10:30am  Perioperative management of non-cardiac surgery in PH patients
         — Joshua R. Sonett, MD, FACS
10:45am  When your PH patient gets admitted to the ICU: Averting PH crises and right heart failure
         — Erika Berman Rosenzweig, MD
11:00am  ECMO for PH: Bridge to recovery
         — Darryl Abrams, MD
11:15am  Questions & Answers
11:30am  Break & Vendor Exhibits

SESSION III: ECMO FOR ADULT RESPIRATORY FAILURE
11:45am  Considering ECMO in my patient: Who and when?
         — Cara L. Agerstrand, MD
12:00pm  ECMO for moderate ARDS: What is the evidence?
         — Daniel Brodie, MD
12:15pm  ECMO for hypercapnic respiratory failure: Is it ready for prime time?
         — Darryl Abrams, MD
12:30pm Questions & Answers
12:45pm Lunch & Vendor Exhibits

SESSION IV: ECMO IN ACTION
1:45pm Bridge to lung transplantation
   — Cara L. Agerstrand, MD
2:00pm Surgical innovations
   — Matthew Bacchetta, MD, MBA, MA
2:15pm ECMO transport team
   — Mauer Biscotti, MD
2:30pm When is ambulating the ECMO patient an option?
   — Daniel Brodie, MD
2:45pm From the front lines
   My wife was on ECMO: What it’s like on the other side
   — Harry Silver
3:00pm Questions & Answers

SESSION V: WHAT THE FUTURE WILL LOOK LIKE IN PH & ECMO
3:15pm Simulation: The key to success
   — Marc L. Dickstein, MD
3:30pm Personalized medicine in PH: How genetics may change the field
   — Wendy K. Chung, MD, PhD
3:45pm Artificial lung: The holy grail
   Mechanical solutions
   — Keith E. Cook, PhD
   Biologic solutions
   — Gordana Vunjak-Novakovic, PhD
4:15pm PROXY: Innovative approach to PH
   — Matthew Bacchetta, MD, MBA, MA
4:30pm Questions & Answers
4:45pm Closing Remarks
Program Co-Directors

Matthew Bacchetta, MD, MBA, MA
Assistant Professor of Surgery
Division of Thoracic Surgery
Columbia University College of Physicians and Surgeons
Director, Adult Extracorporeal Membrane Oxygenation Program
Director, Pulmonary Thromboendarterectomy Program
Surgical Director, The Pulmonary Hypertension Comprehensive Care Center
NewYork-Presbyterian/Columbia University Medical Center

Daniel Brodie, MD
Associate Professor of Medicine
Columbia University College of Physicians and Surgeons
Director, Medical ICUs and Medical Critical Care Services
Director, Medical ECMO Program
Co-Director, Center for Acute Respiratory Failure
NewYork-Presbyterian/Columbia University Medical Center

Erika Berman Rosenzweig, MD
Associate Professor of Pediatrics (in Medicine)
Columbia University College of Physicians and Surgeons
Medical Director, The Pulmonary Hypertension Comprehensive Care Center
Associate Chief, Division of Pediatric Cardiology
NewYork-Presbyterian/Columbia University Medical Center

Guest Faculty

Keith E. Cook, PhD
Associate Professor of Biomedical Engineering
Carnegie Mellon University

Lewis J. Rubin, MD
Emeritus Professor of Medicine
Emeritus Director of Pulmonary and Critical Care
University of California, San Diego School of Medicine

NewYork-Presbyterian
Columbia University College of Physicians and Surgeons Faculty

Darryl Abrams, MD
Assistant Professor of Medicine
Columbia University College of Physicians and Surgeons
NewYork-Presbyterian/Columbia University Medical Center

Wendy K. Chung, MD, PhD
Associate Professor of Pediatrics (in Medicine)
Columbia University College of Physicians and Surgeons
NewYork-Presbyterian/Columbia University Medical Center

Cara L. Agerstrand, MD
Assistant Professor of Medicine
Columbia University College of Physicians and Surgeons
NewYork-Presbyterian/Columbia University Medical Center

Marc L. Dickstein, MD
Professor of Anesthesiology at CUMC
Division of Cardiothoracic Anesthesia
NewYork-Presbyterian/Columbia University Medical Center

Mauer Biscotti, MD
ECMO Surgical Fellow
NewYork-Presbyterian/Columbia University Medical Center
NewYork-Presbyterian
Columbia University College of Physicians and Surgeons
Faculty

Jennifer Haythe, MD
Assistant Professor of Medicine
Columbia University College of Physicians and Surgeons
Associate Medical Director, Adult Pulmonary Hypertension
NewYork-Presbyterian/Columbia University Medical Center

Usha Krishnan, MD
Associate Professor of Pediatrics
Columbia University College of Physicians and Surgeons
Associate Director, Pulmonary Hypertension Center, Pediatrics
Director, Clinical Competency Committee - Pediatric Cardiology Fellowship Program
NewYork-Presbyterian Morgan Stanley Children's Hospital/Columbia University Medical Center

Joshua R. Sonett, MD, FACS
Edwin C. and Anne K. Weiskopf Professor of Surgical Oncology
Columbia University College of Physicians and Surgeons
Chief, General Thoracic Surgery
Director, Price Center Comprehensive Lung Care
NewYork-Presbyterian/Columbia University Medical Center

Gordana Vunjak-Novakovic, PhD
Mikati Foundation Professor of Biomedical Engineering Professor of Medical Sciences
Columbia University College of Physicians and Surgeons
Director, Laboratory for Stem Cells and Tissue Engineering
Columbia University - Biomedical Engineering
### Registration Fees

**NYP = NewYork-Presbyterian**  
**CUMC = Columbia University Medical Center (includes ColumbiaDoctors)**  
**WCMC = Weill Cornell Medical College**

**Early Registration Discount**  
*Must register by Thursday, December 18, 2014*

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**Registration Fees after Thursday, December 18, 2014**

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### Payment Methods

**ONLINE:** To make an online credit card payment please visit:  

For security purposes, credit card payments cannot be accepted in the mail or by phone. American Express, Discover, MasterCard and Visa only.

**BY MAIL:** Complete the attached registration form and mail together with full payment to:  
**Columbia University Medical Center**  
**Department of Surgery, External Affairs**  
**400 Kelby Street, 11th Floor**  
**Fort Lee, NJ 07024**

Enclose a check or money order made payable to:  
**Columbia University Department of Surgery/PHT-ECMO CME**

Checks must be in U.S. dollars drawn on a U.S. bank.
Registration

Please register me for the continuing medical education program entitled:

**AT THE LEADING EDGE: New Frontiers in Pulmonary Hypertension and ECMO**

*Please use the key on the previous page to select your registration choice. Space is limited, early registration is highly encouraged.*

**Early Registration Discount**

- A Physicians
- B NYP/CUMC/WCMC Physicians
- C Allied Health Professionals
- D NYP/CUMC/WCMC Fellows & Residents
- E Fellows & Residents
- J NYP/CUMC/WCMC Allied Health Professionals
- K Fellows & Residents
- L NYP/CUMC/WCMC Fellows & Residents

**Registration**

- G Physicians
- H NYP/CUMC/WCMC Physicians
- I Allied Health Professionals
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PLEASE NOTE: Registration is limited and will be handled on a first-come, first-served basis. Telephone registrations and/or cancellations are not accepted. If you cancel your registration at least ten business days prior to the course (Tuesday, December 16, 2014), we will refund your registration fee, less a $25 administrative charge. Unfortunately no refunds can be made thereafter.
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