

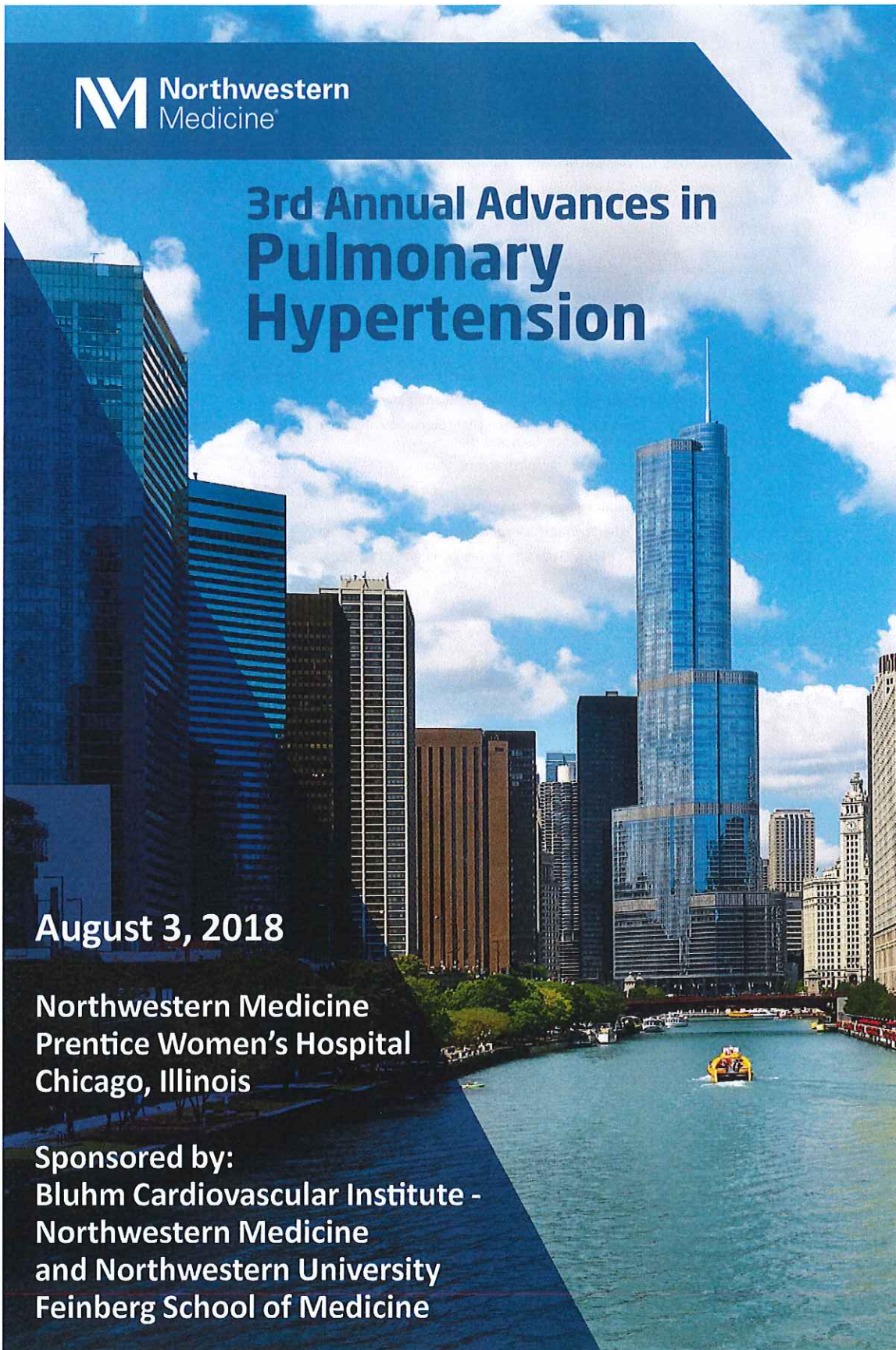


# 3rd Annual Advances in Pulmonary Hypertension

**August 3, 2018**

**Northwestern Medicine  
Prentice Women's Hospital  
Chicago, Illinois**

**Sponsored by:  
Bluhm Cardiovascular Institute -  
Northwestern Medicine  
and Northwestern University  
Feinberg School of Medicine**





# Program Information

## Learning Objectives

At the conclusion of this activity, participants should be able to:

- 1 Recognize when patients have suboptimal response to treatments and be aware of what advanced treatments are available.
- 2 Identify the imaging features that indicate operability in CTEPH patients
- 3 Acknowledge the overlap in the use of BPA and PEA in patients with segmental CTEPH disease dependent on institutional experience and hence the uncertainty in the current guidelines
- 4 Recognize the advanced technical endarterectomy procedure and care of patients with perioperative complications
- 5 Explain how to risk stratify patients with advanced right heart failure in order to assess optimally time mechanical circulatory support (MCS) implantation.
- 6 Recognize the various types of MCS support available for patients with advanced right heart failure and the technological differences that may impact pump selection and patient/device management.
- 7 Explain how to evaluate and list potential candidates for lung transplantation.
- 8 Discuss perioperative management of the donor, lung procurement and operative strategies including use of extracorporeal life support and ex-vivo lung perfusion.
- 9 Recognize the most common post-transplant complications.
- 10 Identify the challenges during the diagnosis and management of complex cardiogenic shock patients and the potential benefits of a multidisciplinary team approach
- 11 Name the diagnostic and therapeutic challenges of early and late RV failure
- 12 Develop an understanding of ECMO placement, management, and explant in combination with lung transplantation

## Target Audience

This continuing medical education program is designed to meet the educational needs of cardiologists, pulmonologists, internal medicine, hospitalists, advanced practice nurses, registered nurses, physician assistants, pharmacists, cardiology and pulmonary medicine fellows and residents in training.

## Conference Location

This program will be held at Northwestern Medicine Prentice Women's Hospital, 3rd Floor, Conference Room L, located at 250 E Superior, Chicago Illinois 60611. Please visit [www.nm.org/locations/prentice-womens-hospital](http://www.nm.org/locations/prentice-womens-hospital) for directions and parking information.

## Accreditation Statement

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## Credit Designation Statement

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 7.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only credit commensurate with the extent of their participation in the activity.

## Hotel

Rooms have been reserved at the Hyatt Centric Chicago Magnificent Mile and will be available for a special symposium rate of \$239.00 (single/double occupancy), plus 17.4% tax. The Hyatt Centric is located at 633 N. St. Clair Street, Chicago, IL. Please contact the Hyatt directly at (888) 591-1234 or go to <https://book.passkey.com/go/NWMCMEProgramRoomBlock>

to make reservations. To receive the reduced room rate, reservations must be made by July 5, 2018. Reservations made after July 5th are subject to availability at regular hotel rates. The room block may fill prior to the cutoff date, so be sure to make your arrangements early.

## Registration

You may register on-line at:

<http://www.cme.northwestern.edu>. An email confirmation will be sent once your registration is complete. If you do not receive a confirmation, please contact the Office of CME at 312-503-8533. Registrations can also be mailed with a check made payable to Northwestern University. Registrations will not be accepted by telephone.

## Cancellation Policy

Cancellations must be made in writing to the Office of Continuing Medical Education. The paid registration fee, minus a \$50 administrative charge, will be refunded if cancellation is received by July 13, 2018.

## Special Needs

The Feinberg School of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any participant of this conference is in need of accommodation please indicate those needs on the registration form or submit written requests to the Office of CME at least one month prior to the conference date.

## Additional Information

Contact the Northwestern University, Feinberg School of Medicine, Office of Continuing Medical Education, phone: 312-503-8533, Fax: 312-503-4531, email: [cme@northwestern.edu](mailto:cme@northwestern.edu) or visit our website at: [www.cme.northwestern.edu](http://www.cme.northwestern.edu).

# Agenda - August 3, 2018

**8:00 – 8:05** Opening remarks  
Stuart Rich, MD

## MORNING

**The Failing Right Ventricle: What Are the Options?**

**8:05-8:25** Management Dilemmas in Treating Acute Right Ventricular Failure from Pulmonary Hypertension  
Stuart Rich, MD

**8:25-8:35** Discussion

**8:35-9:00** Cardiogenic Shock from Right Ventricular Failure: Mechanical Support Options  
Duc Thinh Pham, MD

**9:00-9:15** Discussion

**9:15-9:35** Lung Transplantation for Advanced Pulmonary Hypertension: Is It Still the Last Resort?  
Hector Cajigas, MD

**9:35-9:45** Discussion

**9:45-10:05** Break

**10:05-10:25** Pulmonary Hypertension in the Adult with Congenital Heart Disease  
Stuart Berger, MD

**10:25-10:35** Discussion

**10:35-11:00** Pulmonary Hypertension with HFpEF: Does It Matter the Type?  
Sanjiv Shah, MD

**11:00-11:10** Discussion

**11:10-12:00** Tough Cases  
Presenter: Michael Cuttica, MD  
Panel: Hector Cajigas, MD  
Stuart Rich, MD  
Sanjiv Shah, MD

**12:00-1:00** Lunch

## AFTERNOON

**Pulmonary Thromboembolism: Acute and Chronic. It's Not What It Used to Be**

**1:00-1:45** Acute Pulmonary Embolism: The PERT Approach  
Michael Cuttica, MD  
Panel: Dan Schimmel, MD  
Mark Courtney, MD  
Karlyn Martin, MD

**1:45-2:05** CTEPH: Medical Management  
Jonathan Rich, MD

**2:05-2:15** Discussion

**2:15-2:40** CTEPH: Balloon Pulmonary Angioplasty  
Dan Schimmel, MD

**2:40-2:50** Discussion

**2:50-3:10** Break

**3:10-3:30** CTEPH: Pulmonary Endarterectomy  
Chris Malaisrie, MD

**3:30-3:40** Discussion

**3:40-4:00** Review of the 2017 World Symposium on Pulmonary Hypertension  
Hector Cajigas, MD

**4:00-4:10** Discussion

**4:10-5:00** Tough Cases  
Presenter: Stuart Rich, MD  
Panel: Michael Cuttica, MD  
Dan Schimmel, MD  
Jonathan Rich, MD

**5:00** Concluding Remarks  
Stuart Rich, MD



## Faculty Disclosure

Northwestern University Feinberg School of Medicine (NUFSM) requires course directors, speakers, instructors, planners, and other individuals who are in a position to control the content of this activity to disclose any relevant financial relationships. All identified potential conflicts of interest are thoroughly vetted by NUFSM for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations. The faculty disclosures and the discussion off-label usage will be indicated in the course syllabus.

## Program Director

### Stuart Rich, MD

Professor of Medicine  
Director, Pulmonary Vascular Disease Program  
Bluhm Cardiovascular Institute

### Michael Cuttica, MD

Assistant Professor of Medicine  
Associate Director, Pulmonary Vascular Disease Program

## Northwestern University Feinberg School of Medicine Faculty

### Stuart Berger, MD

Professor of Pediatrics  
Executive Director, Heart Center  
Interim Division Head, Cardiology  
Lurie Children's Hospital

### Duc Thinh Pham, MD

Associate Professor of Surgery  
Surgical Director, Center for Heart Failure, Heart Transplantation and Mechanical Circulatory Support  
Bluhm Cardiovascular Institute

### Hector Cajigas, MD

Associate Professor of Medicine  
Associate Division Head for Clinical Operations  
Division of Pulmonary and Critical Care Medicine

### Jonathan Rich, MD

Associate Professor of Medicine  
Medical Director, Mechanical Circulatory Support Program  
Bluhm Cardiovascular Institute

### D. Mark Courtney, MD

Associate Professor of Emergency Medicine and Medical Social Sciences  
Department of Emergency Medicine

### Daniel Schimmel, MD, MS

Assistant Professor of Medicine  
Director, Pulmonary Embolism Response Team  
Bluhm Cardiovascular Institute

### S. Chris Malaisrie, MD

Associate Professor of Surgery  
Surgical Director, Bicuspid Aortic Valve Program and Pulmonary Endarterectomy Team  
Bluhm Cardiovascular Institute

### Sanjiv J. Shah, MD

Professor of Medicine  
Director, Heart Failure with Preserved Ejection Fraction Program  
Bluhm Cardiovascular Institute  
Northwestern Memorial Hospital

### Karlyn A. Martin, MD

Assistant Professor of Medicine  
Division of Hematology/Oncology

For additional information, contact the Northwestern University,  
Feinberg School of Medicine, Office of Continuing Medical Education,  
phone: 312-503-8533, Fax: 312-503-4531,  
email: [cme@northwestern.edu](mailto:cme@northwestern.edu) or visit our website at:  
[www.cme.northwestern.edu](http://www.cme.northwestern.edu)

# Registration

## 3rd Annual Advances in Pulmonary Hypertension August 3, 2018 Northwestern Medicine Prentice Women's Hospital

- Physician ..... \$300  
 Nurses ..... \$150  
 Fellows or Residents in Training ..... \$ 0  
*\*Must provide a letter from program director to receive complimentary registration.*

### How to Register

ONLINE – [www.cme.northwestern.edu](http://www.cme.northwestern.edu)

OR mail with check to (Make check payable to Northwestern University)

Northwestern University  
ATTN: Heather Munn  
Feinberg School of Medicine  
251 E Huron  
Feinberg 8-504  
Chicago, IL 60611

The registration fee includes: A continental breakfast, lunch, refreshment breaks, and the course handout.

*Registrations will not be accepted by telephone. Please note that credit cards cannot be accepted for on-site registrations. On-site registrations must be made with a check.*

*Please type or print*

Last Name: \_\_\_\_\_ Degree: \_\_\_\_\_

First Name: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_  
*(required — your confirmation and receipt will be emailed)*

Specialty: \_\_\_\_\_



Please indicate any special needs: \_\_\_\_\_

Please indicate any dietary needs: \_\_\_\_\_

For questions regarding registration please contact the Office of Continuing Medical Education at [cme@northwestern.edu](mailto:cme@northwestern.edu) or 312-503-8533. Cancellations must be made in writing via email.

The paid registration fee, minus a \$50 administrative charge, will be refunded.

No refunds will be granted after July 13, 2018.



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Chicago, IL 60611

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