THE 4TH ANNUAL
ADVANCES IN PULMONARY HYPERTENSION

AUGUST 2, 2019
Prentice Women’s Hospital Conference Center
Chicago, Illinois

SPONSORED BY
Bluhm Cardiovascular Institute and
Northwestern University Feinberg School of Medicine
Office of Continuing Medical Education

THIS ACTIVITY HAS BEEN APPROVED FOR
7.5 AMA PRA CATEGORY 1 CREDITS™

REGISTER TODAY! www.cme.northwestern.edu
While pulmonary hypertension remains a challenging disease, there has been an increased awareness by clinicians from the routine use of diagnostic tools such as Doppler echocardiography and the availability of the many pulmonary vasodilator drugs. Because it is uncommon, it is difficult for physicians to develop sufficient experience and expertise unless they are part of a specialty center. The etiology can be multifactorial, making it difficult to know the dominant cause in some patients and thus requires a meticulous approach to arrive at the correct diagnosis. The program is designed to increase knowledge of the presentation and diagnosis of the different etiologies of pulmonary hypertension, address ways to implement the latest practice guidelines in to clinical practice, and know when to refer to specialty centers for advanced care.

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. Be aware of the multiple modalities available for understanding the basis and severity of patient’s symptoms, how to quantify them, and how to apply them to practice.

3. Be informed of the advances made in the diagnosis and treatment of patients with chronic thromboembolic pulmonary hypertension

TARGET AUDIENCE
This continuing medical education program is designed to meet the educational needs of cardiologists, pulmonologists, internists, 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. Visit 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)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURE
The Northwestern University Feinberg School of Medicine 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, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations are thoroughly vetted by Northwestern University FSM for fair balance; The faculty disclosures will be indicated in the course syllabus.

SPECIAL NEEDS
The Northwestern University 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 a written request to the Office of CME at least one month prior to the conference date.

HOTEL
Rooms have been reserved at the Hyatt Centric Chicago Magnificent Mile located at 633 N Saint Clair Street, Chicago, IL 60611. Rooms will be available for a discounted rate of $249.00 (single/double occupancy), plus 17.4% tax. Please contact the Hyatt directly at (888) 591-1234 or www.hyatt.com/en-US/group-booking/chicago/60611/CHIMM/G-NSOM to make your reservations. To receive the discounted room rate, reservations must be made by July 8, 2019. Reservations made after this date are subject to availability at regular hotel rates. The room block may fill prior to the cutoff date, so be sure to make your reservations early. Please note, we do not provide parking validation for hotel parking.

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COURSE DIRECTORS

Stuart Rich, MD
Professor of Medicine
Director,
Pulmonary Vascular Disease Program
Bluhm Cardiovascular Institute
Northwestern University
Feinberg School of Medicine

Michael Cuttica, MD
Associate Professor of Medicine
Associate Director,
Pulmonary Vascular Disease Program
Northwestern University
Feinberg School of Medicine

GUEST FACULTY

Aaron B. Waxman, MD, PhD
Associate Professor of Medicine,
Harvard Medical School
Director, Pulmonary Vascular Disease Program
Pulmonary Critical Care Medicine,
Cardiovascular Medicine
Brigham and Women’s Hospital

Robert P. Frantz, MD
Professor of Medicine,
Mayo Clinic College of Medicine
Director, Mayo Pulmonary Hypertension Clinic
Department of Cardiovascular Medicine
Mayo Clinic

NORTHWESTERN UNIVERSITY
FEINBERG SCHOOL OF
MEDICINE FACULTY

Benjamin H. Freed, MD
Assistant Professor of Medicine
Northwestern University
Feinberg School of Medicine

Amanda L. Hauck, MD
Assistant Professor of Pediatrics
Northwestern University
Feinberg School of Medicine

S. Chris Malaisrie, MD
Surgical Director, Bicuspid Aortic Valve
Program and Pulmonary Endarterectomy Team
Bluhm Cardiovascular Institute
Associate Professor of Surgery
Northwestern University
Feinberg School of Medicine

Jonathan Rich, MD
Medical Director, Mechanical Circulatory
Support Program
Bluhm Cardiovascular Institute
Associate Professor of Medicine
Northwestern University
Feinberg School of Medicine

Daniel Schimmel, Jr., MD, MS
Director, Pulmonary Embolism Response Team
Bluhm Cardiovascular Institute
Assistant Professor of Medicine
Northwestern University
Feinberg School of Medicine

Sanjiv J. Shah, MD
Stone Professor of Medicine
Director, T1 Center for
Cardiovascular Therapeutics
Director, Northwestern HFpEF Program
Division of Cardiology, Department of Medicine
Northwestern University
Feinberg School of Medicine
FRIDAY, AUGUST 2, 2019

OPENING REMARKS
Stuart Rich, MD

MORNING SESSION I
MANAGING THE PATIENT WITH AN UNCERTAIN DIAGNOSIS

8:05 am  How to Approach the Patient with Pulmonary Hypertension from Multiple Causes
Stuart Rich, MD

8:25 am  Discussion

8:35 am  Pulmonary Hypertension with Borderline HFpEF. What Do I Do Now?
Sanjiv Shah, MD

9:00 am  Discussion

9:15 am  Distinguishing Acute from Chronic Pulmonary Embolism. Implications for Management.
Michael Cuttica, MD

9:35 am  Discussion

9:45 am  REFRESHMENT BREAK

MORNING SESSION II
DIAGNOSTIC CHALLENGES, THERAPEUTIC DILEMMAS

10:00 am  The Role Of Exercise Hemodynamics In The Diagnosis And Treatment Of Pulmonary Hypertension
Aaron Waxman, MD

10:25 am  Discussion

10:35 am  Right Ventricular Strain. How to Use Speckle Tracking Echo in Patient Management
Benjamin Freed, MD

11:00 am  Discussion

11:10 am  Tough Cases
Presenter: Stuart Rich, MD
Panel: Aaron Waxman, MD
Sanjiv Shah, MD
Benjamin Freed, MD

12:00 pm  LUNCH

AFTERNOON SESSION
STATE-OF-THE-ART TREATMENTS WHEN THE GUIDELINES DON’T APPLY

1:00 pm  How to Manage a Patient with Mild Pulmonary Hypertension
Robert Frantz, MD

1:25 pm  Discussion

1:35 pm  Congenital Heart Disease Associated With Pulmonary Hypertension in Adults. What to Expect.
Amanda Hauck, MD

2:00 pm  Discussion

2:10 pm  Is A Right Heart Catheter A Fundamental Part of Follow-Up in Patients with Pulmonary Hypertension?
Jonathan Rich, MD

2:35 pm  Discussion

2:45 pm  REFRESHMENT BREAK

3:00 pm  Pulmonary Endarterectomy for CTEPH. Patient Outcomes One Year Later.
S. Chris Malaisrie, MD

3:25 pm  Discussion

3:35 pm  Balloon Pulmonary Angioplasty for CTEPH. A Real Option or Just a Passing Fad?
Dan Schimmel, Jr., MD, MS

4:00 pm  Discussion

4:10 pm  Tough Cases
Presenter: Michael Cuttica, MD
Panel: Robert Frantz, MD
Dan Schimmel, Jr., MD, MS
Jonathan Rich, MD

5:00 pm  CONCLUDING REMARKS
Stuart Rich, MD
HOW TO REGISTER

ONLINE – Please visit www.cme.northwestern.edu

MAIL – Mail the registration form with a check made payable to
Northwestern University
Attn: Heather Munn/APH
251 E. Huron St.
Feinberg 8-504
Chicago, IL 60611

REGISTRATION FEE

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

CANCELLATION POLICY

Cancellations must be made in writing to the Office of Continuing Medical Education. The paid registration, minus $50 administrative fee, will be refunded if cancellation is received by July 5, 2019. No refund will be given after this date.

QUESTIONS

Questions regarding registration should be directed to Office of Continuing Medical Education at cme@northwestern.edu or (312) 503-8533. Registrations will not be accepted by telephone.

PLEASE TYPE OR PRINT

Last Name ____________________________ First Name ____________________________

☐ MD  ☐ DO  ☐ PhD  ☐ RN  ☐ Other (please specify) ____________________________

Institution __________________________

Address __________________________

City __________________________ State __________ ZIP Code __________

Daytime Phone __________________________ Fax __________________________

E-mail (Required) __________________________

Your registration confirmation will be e-mailed __________________________

Specialty __________________________

☐ Please indicate any special needs __________________________

Please indicate any dietary needs __________________________
Northwestern Medicine® is the shared vision that joins Northwestern Memorial HealthCare and Northwestern University Feinberg School of Medicine in a collaborative effort to transform medicine through quality healthcare, academic excellence, and scientific discovery.

**SAVE THE DATE!**

**Nutrition Science: From Population to Plates**  
**May 5, 2019**  |  Chicago, Illinois

**8th Annual Chicago Cardiovascular Update**  
**July 18-20, 2019**  |  Chicago, Illinois

**4th Annual Advances in Pulmonary Hypertension**  
**August 2, 2019**  |  Chicago, Illinois

**(New!) Cast for A-Fib Symposium**  
**August 16-17, 2019**  |  Chicago, Illinois

**Cardiothoracic Nursing Symposium**  
**September 5-6, 2019**  |  Chicago, Illinois

**41st Annual Echo Northwestern**  
**September 20-22, 2019**  |  Chicago, Illinois

**(New!) Heart Team Summit**  
**October 18-19, 2019**  |  Chicago, Illinois

**15th Annual Heart Failure Holiday Symposium**  
**December 6-7, 2019**  |  Chicago, Illinois

**REGISTER TODAY!**  
[www.cme.northwestern.edu](http://www.cme.northwestern.edu)