



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™

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PROGRAM INFORMATION

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/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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FACULTY

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

AGENDA/FACULTY

FRIDAY, AUGUST 2, 2019

8:00 am **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

REGISTRATION

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AUGUST 2, 2019 | PRENTICE WOMEN'S HOSPITAL CONFERENCE CENTER | CHICAGO, ILLINOIS

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 _____

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251 East Huron Street
Feinberg 8-504
Chicago, Illinois 60611

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

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.

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