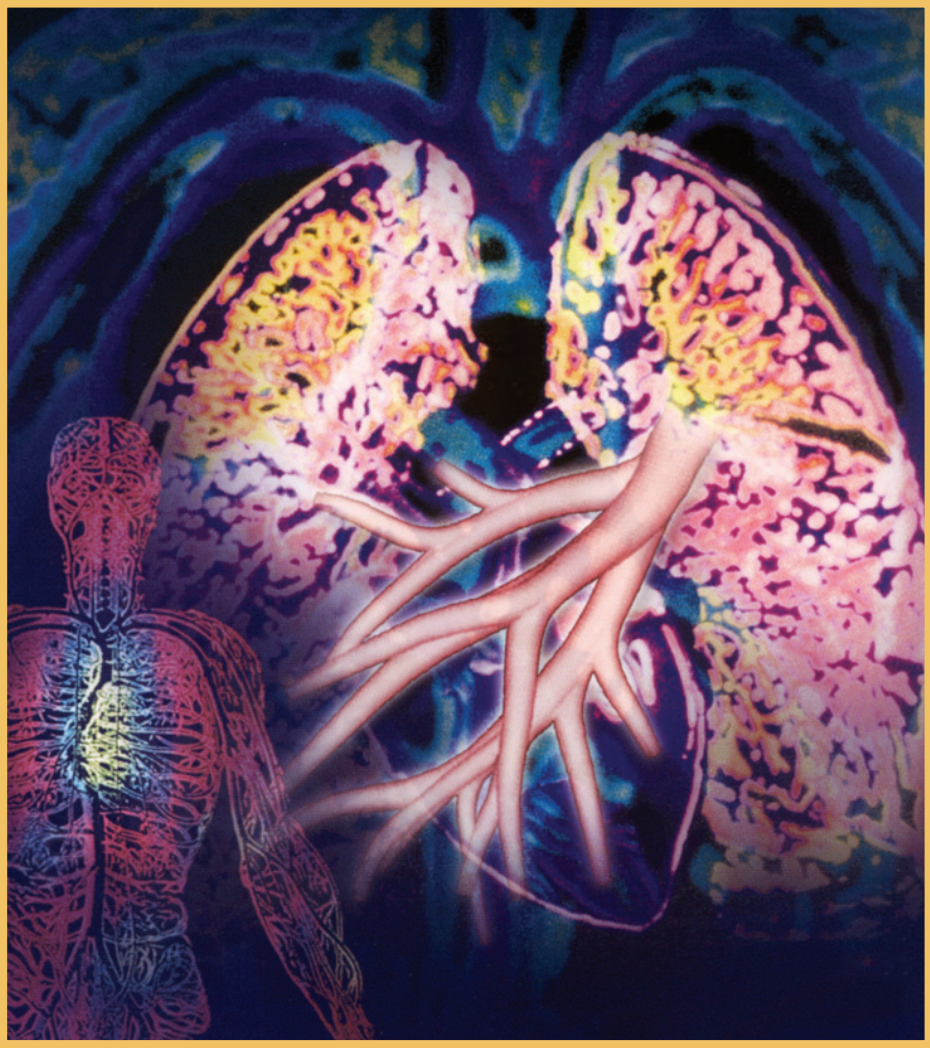
Front-Line Management of the Patient with Suspected Pulmonary Hypertension



June 7, 2019 | 7:00 AM – 5:30 PM

Francis C. Arrillaga Alumni Center, Stanford, CA

Vera Moulton Wall Center for Pulmonary Vascular Disease at Stanford

Sponsored by the Stanford University School of Medicine

Stanford | MEDICINE

A Continuing Medical Education Conference presented by the Vera Moulton Wall Center for Pulmonary Vascular Disease at the Stanford University School of Medicine.

COURSE OVERVIEW

STATEMENT OF NEED

This CME symposium will help close the gaps in the knowledge and competence of health care providers on the "front lines of medical care" in optimal diagnosis and management of pulmonary hypertension. The symposium will engage learners via short didactic lectures by Stanford PH faculty interspersed with case-based discussions, question-and-answer sessions, and the opportunity for attendees to present their own PH cases to panel discussants for feedback and advice. Topics to be discussed include: diagnosis and classification of disease, in-depth phenotyping of patients, medical and surgical treatment algorithms, and novel PH research topics and therapeutic targets.

TARGET AUDIENCE

This regional conference is designed to meet the educational needs of physicians, nurses, nurse practitioners, physician assistants, and allied health professionals, specializing in Cardiology, Critical Care, Emergency Medicine, Family Practice, Hepatology, Internal Medicine, Primary Care, Pulmonary, Radiology, and Rheumatology.

LEARNING OBJECTIVES

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

- Recognize the main symptoms and signs of PH and right heart failure.
- Identify patients with advanced PH and recommend expedited referral of them to a PH center of expertise.
- Analyze and interpret basic echocardiographic and radiographic parameters suggestive of PH.
- Classify patients with suspected PH into one or more of the major five World Health Organization groups.
- Interpret basic right heart catheterization (and accompanying vasoreactivity trial) data.
- Utilize basic right heart catheterization data to develop initial treatment plans
- Employ the ventilation-perfusion scan as the gold standard test in the diagnosis of chronic thromboembolic pulmonary hypertension.
- Counsel patients on treatment options for PH, including surgery as potentially curative.
- Recognize the three main classes of FDA-approved drug therapy for pulmonary arterial hypertension as well as their major associated risks to patient safety.
- Identify a few lines of ongoing clinical research and future therapeutic targets for the disease.

ACCREDITATION

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

CREDIT DESIGNATION

The Stanford University School of Medicine designates this live activity for a maximum of 7.75 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements as long as the course is certified for *AMA PRA Category 1 Credit*™ (rn.ca.gov). Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

FACULTY DISCLOSURE

The Stanford University School of Medicine adheres to ACCME Criteria, Standards and Policies regarding industry support of continuing medical education. Disclosure of faculty and their commercial relationships will be made prior to the activity.

FACULTY

All faculty members are from Stanford University School of Medicine unless otherwise noted.

COURSE DIRECTORS

Kristina Kudelko, MD
Clinical Associate Professor,
Division of Pulmonary and Critical Care Medicine

Yon Sung, MD, FCCP
Clinical Assistant Professor,
Division of Pulmonary and Critical Care Medicine

STANFORD FACULTY

Henry Guo, MD
Clinical Associate Professor,
Radiology

Francois Haddad, MD
Clinical Associate Professor,
Medicine - Cardiovascular Medicine

Kristina Kudelko, MD
Clinical Associate Professor,
Division of Pulmonary and Critical Care Medicine

Vinicio de Jesus Perez, MD
Assistant Professor of Medicine,
Division of Pulmonary and Critical Care Medicine

Julie Lai, MD
Fellow In Medicine,
Pulmonary and Critical Care Medicine

Juliana Liu, RN, MSN, ANP
Program Manager,
Pulmonary Hypertension Service

Shireen Mirza, MD
Postdoctoral Medical Fellow,
Cardiovascular Institute

Anitra Romfh, MD
Clinical Assistant Professor,
Division of Cardiology,
Department of Pediatrics & Division of Cardiology, Department of Medicine

Edda Spiekerkoetter, MD
Assistant Professor of Medicine
Pulmonary and Critical Care Medicine

Yon Sung, MD, FCCP
Clinical Assistant Professor,
Division of Pulmonary and Critical Care Medicine

Andrew Sweatt, MD
Instructor, Medicine
Pulmonary and Critical Care Medicine

Roham Zamanian, MD, FCCP
Associate Professor of Medicine
Pulmonary and Critical Care Medicine

Register online at **cme.stanford.edu/ph**

PROGRAM *Program is subject to change

Friday, June 7, 2019

7:00-8:00	REGISTRATION AND LIGHT BREAKFAST
8:00-8:10	**Welcome & Announcements** *Kristina Kudelko, MD*
8:10-8:40	**Introduction to Pulmonary Hypertension (WHO Group 1 PAH)** *Vinicio de Jesus Perez, MD*
8:40-8:55	**Q&A**
8:55-9:25	**Echocardiographic Features of PAH** *Francois Haddad, MD*
9:25-9:40	**Q&A**
9:40-10:10	**Right Heart Catheterization in PAH** *Roham Zamanian, MD*
10:10-10:20	**Q&A**
10:20-10:35	BREAK
10:35-11:20	**Keynote Address: Radiographic Features of Pulmonary Hypertension** *Henry Guo, MD*
11:20-11:35	**Q&A**
11:35 am-12:05	**Practical Approach to Initiation and Management of PAH Therapies** *Edda Spiekerkoetter, MD*
12:05-12:20	**Patient Perspective** *IPAH Patient and Juliana Liu, NP (Moderator)*
12:20-12:35	**Q&A**
12:35-1:35	LUNCH
1:35-1:55	**WHO Group 4 PH Secondary to Chronic Thromboembolic Disease Primer** *Kristina Kudelko, MD*
1:55-2:10	**Patient Perspective** *CTEPH Patient and Kristina Kudelko, MD (Moderator)*
2:10-2:25	**Q&A**
2:25-3:25	**Breakout Sessions on WHO Group 1 PAH and WHO Group 4 PH** **Group A Moderators:** *Roham Zamanian, MD; Andrew Sweatt, MD; Shireen Mirza MD; Edda Spiekerkoetter, MD* **Group B Moderators:** *Kristina Kudelko, MD; Yon Sung, MD; Julie Lai, MD; Vinicio De Jesus Perez, MD*
3:25-3:40	BREAK
3:40-4:00	**WHO Group 2 PH Secondary to Left Heart Disease Primer** *Yon Sung, MD*
4:00-4:15	**Q&A**
4:15-5:15	**Breakout Sessions on WHO Group 2 PH and WHO Group 3 PH** **Group A Moderators:** *Roham Zamanian, MD; Andrew Sweatt MD; Shireen Mirza, MD; Edda Spiekerkoetter, MD* **Group B Moderators:** *Kristina Kudelko, MD; Yon Sung, MD; Julie Lai, MD; Vinicio De Jesus Perez, MD; Anitra Romfh, MD*
5:15-5:30	**Closing Remarks** *Yon Sung, MD*

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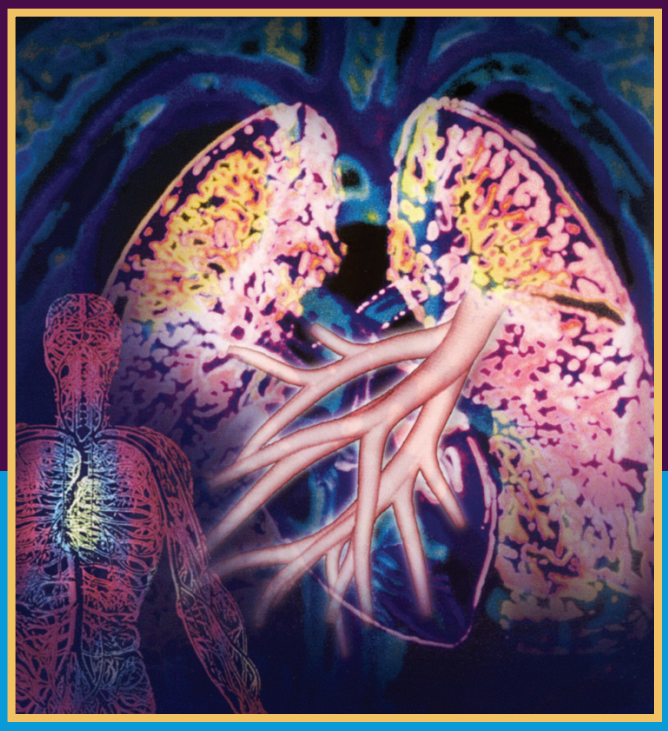

June 7, 2019

Francis C. Arrillaga Alumni Center, Stanford, CA

REGISTRATION

ATTENDEE TYPE	FEES
Physicians	$425
Nurses and Allied Health Professionals	$375
Fellows and Residents	$75

Registration fee includes course materials, certificate of participation, breakfast and lunch.

Register online with Visa or Master Card by visiting **cme.stanford.edu/ph**. If you prefer to pay by check or need assistance, please call **(650) 497-8554** or email **stanfordcme@stanford.edu.** Be sure to register with an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate.

CANCELLATION POLICY

Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to **stanfordcme@stanford.edu.**

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

CONFERENCE LOCATION

Frances C. Arrillaga Alumni Center
326 Galvez Street, Stanford, CA
(650) 723-2021

NEARBY HOTELS

Sheraton Palo Alto Hotel **(650) 328-2800**
625 El Camino Real, Palo Alto, California 94301

The Westin Palo Alto **(650) 321-4422**
675 El Camino Real, Palo Alto, California 94301

Please contact the hotel directly to secure a reservation.

Additional hotel options: **visit.stanford.edu/plan/lodging**

VISITING STANFORD UNIVERSITY

To learn more about traveling to Stanford University, please browse **visit.stanford.edu**.

CONTACT INFORMATION

For questions about the symposium, please contact Melissa Schwartz, CME Conference Coordinator at **(650) 724-2288** or **melissa.schwartz@stanford.edu**

Stanford Center for Continuing Medical Education
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ACCESSIBILITY STATEMENT

Stanford University School of Medicine is committed to ensuring that its programs, services, goods and facilities are accessible to individuals with disabilities as specified under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Amendments Act of 2008. If you have needs that require special accommodations, including dietary concerns, please contact the CME Conference Coordinator.

Register online at **cme.stanford.edu/ph**