

CONTINUING MEDICAL EDUCATION

Johns Hopkins University School of Medicine
Division of Pulmonary and Critical Care Medicine

presents

CURRENT PRACTICES AND FUTURE DIRECTIONS IN PULMONARY, CRITICAL CARE AND SLEEP MEDICINE: THE 15TH YEAR

AUGUST 10-13, 2017

**The Meritage
Napa, California**



We help the world breathe®
PULMONARY • CRITICAL CARE • SLEEP

This course has been endorsed by
the American Thoracic Society.



This course has been endorsed by the
World Association for Bronchology
and Interventional Pulmonology.



This activity has been approved for AMA PRA Category 1 Credits™.



**JOHNS HOPKINS
MEDICINE**

DESCRIPTION

More than 52 million Americans are living with chronic lung disease such as asthma, emphysema, chronic bronchitis and pulmonary fibrosis. Chronic Obstructive Pulmonary Disease (COPD) surpassed estimates and became the third leading cause of death in the United States, responsible for one in ten deaths. Chronic lung diseases caused an estimated 149,200 deaths in 2015, with lung cancer causing an additional 162,500 deaths in 2015. According to the CDC to Centers for Disease Control and Prevention (CDC) National Center for Health statistics, deaths from Chronic lower respiratory disease increased significantly from 2014 to 2015, with 41.6/100,000 deaths being attributed to chronic lower respiratory disease in 2015 (up from 40.5/100,000 in 2014). Not only are these conditions prevalent and morbid, the care results in considerable healthcare utilization and cost. The economic cost of COPD alone was \$36 billion in 2014: \$32.1 billion in direct health expenditures and \$3.9 billion in absenteeism. In addition to being prevalent and morbid, chronic lung disease has become increasingly complex to manage given the overlay with comorbid disease and advancements in diagnostic modalities and therapeutic options. In 2015, 9 new drugs were approved by the U.S. Food and Drug Administration (FDA) for the management of chronic pulmonary diseases, and 3 additional new drugs were approved for lung diseases in 2016, ranging from COPD and asthma to Cystic Fibrosis (CF), lung cancer and pulmonary arterial hypertension. The recent burgeoning of anticoagulant therapies has resulted in new guidelines addressing the use of the many newly available medications for the various thromboembolism diagnoses.

Therefore, there is considerable need for greater education among caregivers to aid in the diagnosis and management of lung disease and critical illness. Further, given that the prevalence of diseases such as COPD are so high in the general population, it is of utmost importance to ensure that primary care doctors have access to up to date and impactful information about screening for and treatment of lung disease, such as that found in the extensive and newly updated Global Initiative for Chronic Obstructive Lung Disease (GOLD) guidelines, which changed the algorithm for grading the severity of COPD and prescribing therapy, including the addition of new treatments in this algorithm. Based on these needs and efforts, the Johns Hopkins Division of Pulmonary and Critical Care Medicine presents Current Practices and Future Directions in Pulmonary, Critical Care and Sleep Medicine: The 15th Year. This review course has been specifically designed to review the most recent innovations in pulmonary, critical care, and sleep medicine for the practicing physician, focusing on the importance of the primary care physician as the gateway to the diagnosis and treatment of lung disease.

WHO SHOULD ATTEND

This activity is intended for internal medicine and pulmonary critical care physicians, nurses, nurse practitioners, as well as trainees.

OBJECTIVES

After attending this activity, the participant will demonstrate the ability to:

- Describe new diagnostic and therapeutic advances in pulmonary disease.
- Identify new diagnostic and therapeutic advances in critical care medicine.
- Evaluate and manage patients with significant lung disease.
- Describe new diagnostic modalities and treatments in sleep medicine.

Accreditation Statement

The Johns Hopkins University 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 Johns Hopkins University School of Medicine designates this live activity for a maximum of 22 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC Statement

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 22 MOC points and patient safety MOC credit in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.



Other Credits

American Academy of Nurse Practitioners National Certification Program accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME. Physician assistants may receive a maximum of 22 AAPA Category 1 CME credit(s) for completing this program.

American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

Contact Hours for Non-Physicians

The Johns Hopkins University has approved this activity for 22 contact hours for non-physicians.

GENERAL INFORMATION

Registration

Thursday, August 10, 2017 • 7:00 – 8:00 a.m.

Location

The Meritage
875 Bordeaux Way (707) 251-1900
Napa, California 94558 (844) 283-4588

Fees

REGISTRATION CUT-OFF DATE: August 4, 2017

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. Early bird registration is available for registrations received prior to 5:00 p.m. ET on June 30, 2017. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

	Early Bird (before 6/30/17)	Regular (after 6/30/17)
Physicians.....	\$1,495.....	\$1,595
Residents*/Fellows*/Nurses/NPs/PAs/Allied Health Professionals,		
Trainees.....	\$895.....	\$995
*with verification of status		

You will receive a confirmation by e-mail. If you have not received it by August 4, 2017, call (410) 502-9634 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

Late Fee and Refund Policy

A \$50 late fee applies to registrations received after 5:00 p.m. ET on August 4, 2017. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by August 4, 2017. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

Syllabus

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

Social Event

A complimentary reception for registrants and faculty will be held Thursday, August 10, 2017. Please indicate your attendance on the registration form. *NOTE: The commercial support received is solely for the educational component of this activity and will not be used to support this social event.*

Hotel and Travel Information

We strongly encourage you to book your accommodations at The Meritage, which is the conference headquarters hotel. The Johns Hopkins Office of CME makes every effort to secure the best rate for overnight accommodations. The rate is part of a negotiated conference package that incorporates many services. By staying at the host hotel and booking within the room block, you help us maintain current conference benefits and keep future registration fees reasonable. Please consider this when making your overnight accommodations decision.

The Meritage (707) 251-1900
875 Bordeaux Way (844) 283-4588
Napa, California 94558 FAX: (707) 254-8274
Web Site: <http://meritagecollection.com/meritageresort/>

HOTEL RESERVATION CUT-OFF DATE: July 18, 2017

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

Tuscan inspired, The Meritage embodies the beauty and ambience of the wine country. Elegant, sophisticated, natural, and expansive, The Meritage's friendly approach makes guests feel welcome, excited and very much at ease. They perfectly blend world-class luxury with exceptional hospitality to bring you the ultimate Napa Valley experience. Should you decide to explore more of California's Wine Country, The Meritage offers convenient guest transportation to downtown Napa and Oxbow Public Market, which are just four miles south of the hotel.

Make your reservation online at <https://aws.passkey.com/e/49180756> or call the hotel directly and specify that you are attending the Johns Hopkins Pulmonary, Critical Care and Sleep Medicine conference to receive the special group rate of \$279, single or double, plus \$25 resort fee per night, plus tax. Check-in time is 4:00 p.m. Check-out time is 11:00 a.m. The Meritage is smoke-free.

Evaluation

Post activity, an online evaluation form will be available to attendees to evaluate the activity and individual presentations and identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print.

Outcomes Survey

A survey will be sent to all physician attendees within three months post activity to assist us in determining what impact this activity had on the learner's practice.

Emergency Calls

On August 10-13, 2017, direct emergency calls to (707) 251-1900 and ask that a message be sent to the Johns Hopkins registration desk. Messages will be posted for participants.

Americans with Disabilities Act

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs.*

PROGRAM

Thursday, August 10, 2017

7:00 - 7:50 Registration and Continental Breakfast

7:50 - 8:00 **Welcome and Conference Goals**
Jonathan Orens, MD

UPDATES IN PULMONARY MEDICINE

AM SESSION 1: OBSTRUCTIVE LUNG DISEASES

8:00 - 8:20 **What's New in Asthma Management: 2017**
Nirupama Putcha, MD, MHS

8:20 - 8:40 **Asthma Mimickers: Casting a Wide Net in Asthma Diagnosis**
Gregory Diette, MD

8:40 - 9:00 **COPD treatment: What's New in GOLD 2017**
Nadia Hansel, MD, MPH

9:00 - 9:20 **Adherence in Obstructive Lung Disease (OLD)**
Cynthia Rand, PhD

AM SESSION 2: LUNG CANCER

9:20 - 9:40 **Lung Cancer Screening: Who, When, Why**
Hans Lee, MD

9:40 - 10:00 **My Patient Has a Lung Nodule: Now What?**
Lonny Yarmus, DO, FCCP

10:00 - 10:20 **The Death of Pleural Nihilism: Pleural Interventions in 2017**
David Feller-Kopman, MD, FCCP

10:20 - 10:40 Refreshment Break

AM SESSION 3: PULMONARY VASCULAR DISEASE

10:40 - 11:15 **Pulmonary Hypertension in 2017**
Paul Hassoun, MD

11:15 - 12:00 **Updates in Pulmonary Arterial Hypertension (PAH) Therapeutics**
Rachel Damico, MD, PhD

12:00 - 1:00 Lunch

PM SESSION 1: DIFFUSE PARENCHYMAL LUNG DISEASE

1:00 - 1:30 **Alphabet Soup: Interstitial Lung Disease (ILD) Basics**
Brian Garibaldi, MD

1:30 - 2:00 **Sarcoidosis: Diagnosis and Treatment Challenges**
Edward Chen, MD

2:00 - 2:20 **Idiopathic Pulmonary Fibrosis Diagnostic (IPF) and Treatment Strategies**
Cheilonda Johnson, MD

2:20 - 2:40 **Non-Sarcoid Granulomatous Lung Disease**
Edward Chen, MD

2:40 - 3:00 **Connective Tissue Disease and ILD – How to Test and When to Treat**
Brian Garibaldi, MD

3:00 - 3:30 Refreshment Break

PM SESSION 2: LUNG TRANSPLANTATION AND OTHER

ADVANCED LUNG DISEASE TOPICS

3:30 - 3:50 **Gastrointestinal (GI) Complications and Lung Disease and Transplantation Considerations**
Bruce Greenwald, MD

3:50 - 4:20 **2017 Updates in Lung Transplantation**
Pali Shah, MD

4:20 - 5:00 **Selection Criteria – Who to Refer and When**
Jonathan Orens, MD

5:00 - 6:00 Welcome Reception

Friday, August 11, 2017

7:30 - 8:00 Continental Breakfast

UPDATES IN CYSTIC FIBROSIS

8:00 - 8:35 **Overview of Cystic Fibrosis Diagnosis and History**
Noah Lechtzin, MD, MHS

8:35 - 9:10 **CF and Non-CF Bronchiectasis Management**
Mark Jennings, MD, MHS

9:10 - 9:45 **Cystic Fibrosis Related Diabetes**
Aniket Sidhaye, MD

9:45 - 10:00 Refreshment Break

10:00 - 10:30 **End Stage Cystic Fibrosis and Bronchiectasis - Getting Your Patient Through a Transplant**
Patrick Sosnay, MD

10:30 - 11:00 **Nontuberculous Mycobacteria (NTM) Infections: Diagnosis and Treatment**
Mark Jennings, MD, MHS

11:00 - 12:00 **Airway Clearance: An Interactive Demonstration**
Karen von Berg, DPT

12:00 Lunch on your own

Saturday, August 12, 2017

7:30 - 8:00 Continental Breakfast

UPDATES IN CRITICAL CARE

8:00 - 8:10 **Welcome and Session Goals**
Margaret Hayes, MD

8:10 - 8:55 **State-of-the-Art Management of Acute Respiratory Distress Syndrome (ARDS) in 2017**
Mahendra Damarla, MD

8:55 - 9:40 **Critical Care Cardiology: What Every Intensivist Should Know**
Mukta Srivastava, MD

9:40 - 10:00 Refreshment Break

10:00 - 11:15 **Hands-On Stations***
• **Echo with Live Models**
• **Mechanical Ventilation Cases**
*Registrants will rotate through all hands-on stations.

11:15 - 11:25 Refreshment Break

11:25 - 11:50 **From SIRS to qSOFA: Diagnosis and Management of Sepsis as we now know it**
Franco D'Allesio, MD

11:50 - 12:15 **Should I Give Fluids? Where We Are Now in 2017**
Aniket Sidhaye, MD

12:15 - 1:00 Lunch

1:00 - 1:20 **Strategies to Reduce Delirium in Your ICU**
Mahendra Damarla, MD

1:20 - 1:40 **To Feed or Not to Feed: Best Practices for Nutrition in the ICU**
Franco D'Allesio, MD

1:40 - 2:10 **ECMO 101: What It Is and Who Needs It?**
Margaret Hayes, MD

2:10 - 2:40 **Management of Post-Cardiac Arrest Patient**
Mukta Srivastava, MD

2:40 - 3:00 Refreshment Break

3:00 - 3:30 **Creating a Culture of Dignity at the End of Life in Your ICU**
Margaret Hayes, MD

3:30 - 3:45 Break

3:45 - 5:00 **Hands-On Stations***
• **Central Line Practicing**
• **High Flow, Vent, Nasal Intermittent Positive Pressure Ventilation (NIPPV)**
• **Thoracentesis/Chest Tube**
*Registrants will rotate through all hands-on stations.

Sunday, August 13, 2017

7:30 - 8:00 Continental Breakfast

8:00 - 10:30 **Interventional Pulmonary Hands-On Stations***
• **Endobronchial Ultrasound (EBUS)**
David Feller-Kopman, MD, FCCP

• **Lung Nodules and Navigational Bronchoscopy**
Hans Lee, MD

• **Transthoracic Needle Aspiration (TTNA) in the Hands of the Pulmonologist**
Lonny Yarmus, DO, FCCP

• **Chest Imaging Update Discussion**
David Feigin, MD

*Registrants will rotate through all hands-on stations.

10:30 - 10:45 Refreshment Break

UPDATES IN SLEEP MEDICINE

10:45 - 11:05 **Approach to the Sleepy Patient**
Susheel Patil, MD, PhD

11:05 - 11:25 **Novel Therapies for Sleep Apnea in 2017**
Alan Schwartz, MD

11:25 - 11:50 **Insomnia and Non-Pulmonary Sleep Disorders**
Vsevolod Polotsky, MD, PhD

11:50 - 12:00 **Sleep Study Case Review and Questions**
Susheel Patil, MD, PhD

12:00 Adjourn

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance. The Registration Desk will remain open during conference hours.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.

Acknowledgement Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

ACTIVITY DIRECTOR

Lonny Yarmus, DO, FCCP
Associate Professor of Medicine and Oncology
Clinical Chief, Division of Pulmonary and
Critical Care Medicine

PLANNING COMMITTEE

Nirupama Putcha, MD, MHS
Assistant Professor of Medicine

JOHNS HOPKINS SPEAKERS

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Assistant Professor of Medicine

Franco D'Alessio, MD
Assistant Professor of Medicine

Mahendra Damarla, MD
Assistant Professor of Medicine

Rachel Damico, MD, PhD
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Gregory Diette, MD
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Cheilonda Johnson, MD
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Psychiatry and Behavioral Sciences

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GUEST SPEAKERS

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University of Maryland Medical Center
Baltimore, Maryland

Margaret Hayes, MD
Instructor of Medicine
Beth Israel Deaconess Medical Center
Harvard Medical School
Boston, Massachusetts

Mukta Srivastava, MD
Assistant Professor of Medicine
Division of Cardiovascular Medicine
Associate Program Director, Cardiovascular
Disease Fellowship
University of Maryland Medical Center
Baltimore, Maryland

REGISTRATION FORM

Course Number 80043389/10510

CURRENT PRACTICES AND FUTURE DIRECTIONS IN PULMONARY, CRITICAL CARE AND SLEEP MEDICINE: THE 15TH YEAR

August 10-13, 2017

To Register: Online: <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10510>
Fax: (866) 510-7088 **Phone:** (410) 502-9634

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue,
Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

last name		first name	m.i.	
highest degree	primary specialty		Hopkins faculty/staff only JHED ID	
For Physicians Only: NPI – 10 digits		State License #	State of License	
mailing address				
city		state	ZIP	country
daytime telephone		fax number		
e-mail (required)				

Check here if you wish to receive e-mail notices about upcoming CME activities.

What do you hope to learn by attending this activity? _____

Please notify us if you have any special needs. _____

Registration Fees: (before June 30) Early Bird (after June 30) Regular
Physicians..... \$1,495..... \$1,595

Residents*/Fellows*/Nurses/NPs/PAs
Allied Health Professionals, Trainees..... \$895..... \$995
*with verification of status

Welcome Reception on August 10, 2017:

Yes, I will attend. Please indicate number of guests including yourself: _____

No, I am unable to attend.

The registration fee includes instructional materials and food and beverage. Early bird registration is available for registrations received prior to 5:00 p.m. ET on June 30, 2017. For registrations received after 5:00 p.m. ET on August 4, 2017, include a \$50 late fee. On-site registrations are payable only by credit card.

Payment Type: Total amount \$ _____

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please complete this registration form and return with appropriate payment processing form to OCME, Turner 20.

Forms can be found on-line at <http://www.hopkinscme.edu/Resources/resources.aspx>.

TR Form: <http://benefits.jhu.edu/documents/trffacandstaff.pdf>

ION Form: <http://hopkinscme.edu/migration/IonRequest.pdf>

e-Check: Routing Number: _____ Account Number: _____

Credit Card: VISA MASTERCARD DISCOVER AMEX

Card # _____ Exp. Date _____

Billing Zip Code _____ Security Code _____

Name on Card _____ Signature and Date _____

To Register or for Further Information

Register Online <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10510>

Register by Phone (410) 502-9634

Register by Fax (866) 510-7088

Confirmation/Certificates/Transcripts (410) 502-9634

General Information (410) 955-2959

E-mail the Office of CME cmenet@jhmi.edu

Follow us on Twitter: <http://twitter.com/HopkinsCME>

Facebook: <http://www.facebook.com/HopkinsCME>

Sponsoring Division Website: <http://www.hopkinsmedicine.org/pulmonary/>

For general information, the direct link for this CME activity web page is:

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=10510>

For website and CloudCME mobile app technical difficulties, email:

cmetechsupport@jhmi.edu



NEW! Check out our mobile app CloudCME
Organization Code:
HopkinsCME

Policy on Speaker and Provider Disclosure

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the instructional materials.