



## CONTINUING MEDICAL EDUCATION

### 10<sup>th</sup> Annual Evaluation and Management of Pleural Disease February 3-4, 2020



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

#### DESCRIPTION

This activity is designed to educate the practicing pulmonologist, chest surgeon, internist, and oncologist, as well as other health care professionals interested in the care of patients with pleural disease. Participants will develop a comprehensive knowledge of the indications, contraindications and associated complications of common pleural procedures including thoracentesis, chest tube and indwelling pleural catheter placement, pleural biopsy and thoracoscopy. Procedures will be discussed in the didactic sessions on day one and will be demonstrated and practiced day two, at the hands-on stations with human cadavers in the MISTC Lab. We encourage RNs, NPs, and PAs with an interest in pleural disease to attend as well.

#### WHO SHOULD ATTEND

This activity is intended for practitioners in critical care medicine, emergency medicine, family practice, hospitalist medicine, internal medicine, multiple specialties, nurse practitioner, nurses, physician assistants, pulmonary disease, and pulmonology.

#### OBJECTIVES

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

- Interpret pleural pathophysiology.
- Use ultrasound to guide pleural intervention.
- Discuss, in detail, the evaluation and management of patients with pleural effusion and pneumothorax.

#### 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 12.5 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### MAINTENANCE OF CERTIFICATION

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 12.5 MOC points 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*<sup>™</sup> from organizations accredited by the ACCME.

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

PAs may claim a maximum of 12.5 Category 1 credits for completing this activity. **NCCPA** accepts *AMA PRA Category 1 Credit*<sup>™</sup> from organizations accredited by ACCME or a recognized state medical society.

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

#### POLICY ON PRESENTER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

#### GENERAL INFORMATION

##### REGISTRATION

Monday, February 3, 2020  
7:45 AM - 8:30 AM

##### LOCATION

##### Chevy Chase Bank Conference Center

The Sheikh Zayed Tower  
The Johns Hopkins Hospital  
1800 Orleans Street, Main Level  
Baltimore, Maryland 21287

The Sheikh Zayed Tower is located on Orleans Street between Broadway and Wolfe Streets. Directions and campus parking information are available on our website under the Contact Us tab at <https://HopkinsCME.cloud-cme.com>. The closest garage is the Orleans Street Garage, which is located on Orleans Street (Route 40) between Wolfe Street and Broadway. Handicapped parking is also available in the McElderry Street Garage. **Johns Hopkins is smoke free.**

**Tuesday, February 4, 2020**

##### Minimally Invasive Surgical Training and Innovation Center (MISTIC Lab)

The Johns Hopkins Hospital  
1800 Orleans Street, Blalock Building, 12th Floor  
Baltimore, Maryland 21287



device in the CloudCME App prior to the activity.

## FEES

Register Online:

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18619>

**Methods of Payment:** We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

Physicians Two Day Course .....\$ 1095  
Physicians Didactic Only (Day One) .....\$ 495

Residents\*/Fellows\* Two Day Course .....\$ 495  
Residents\*/Fellows\* Didactic Only (Day One) .....\$ 295  
\*with verification of status

Nurses/NPs/PAs/Allied Health Professionals Two Day Course .....\$ 595  
Nurses/NPs/PAs/Allied Health Professionals Didactic Only (Day One) .....\$ 395

You will receive a confirmation by e-mail. If you have not received it by **January 28, 2020**, call (410) 502-9636 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 **January 28, 2020**. 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 **January 28, 2020**. 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

## TO REGISTER *or* FOR FURTHER INFORMATION

Register Online

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18619>

Register by Phone (410) 502-9636

Register by Fax (866) 510-7088

Confirmation/Certificates/Transcripts (410) 502-9636

General Information (410) 955-2959

E-mail the Office of CME [cmenet@jhmi.edu](mailto:cmenet@jhmi.edu)

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

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

Check out our mobile app CloudCME. 

Organization Code: **HopkinsCME**

For website and CloudCME mobile app technical difficulties,

email: [cmetechnicalsupport@jhmi.edu](mailto:cmetechnicalsupport@jhmi.edu)

Sponsoring Department Website:

<https://www.hopkinsmedicine.org/pulmonary/index.html>

For general information, please visit the activity webpage at

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18619>

## HOTEL AND TRAVEL INFORMATION

### Renaissance Baltimore Harborplace Hotel

202 East Pratt Street

Baltimore, Maryland 21202

(800) 468-3571

(410) 547-1200

FAX: (410) 539-5780

Website: [www.renaissancehotels.com](http://www.renaissancehotels.com)

## HOTEL RESERVATION CUT-OFF DATE:

**1/8/2020**

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

The Renaissance Baltimore Harborplace Hotel is part of the waterfront complex of Harborplace, and only steps away from the many attractions of Baltimore's Inner Harbor. Make your reservation by calling the hotel directly and specify that you are attending the Johns Hopkins **10<sup>th</sup> Annual Evaluation and Management of Pleural Disease** to receive the special group rate of \$159, single or double, plus tax. Complimentary roundtrip transportation will be provided. On-site parking is available at the hotel at an additional charge. Check-in time is 4:00 p.m. Check-out time is 12:00 p.m.

## HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to 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. **The last day to access the evaluation and attest to your credits is January 28, 2020.**

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

## AMERICANS WITH DISABILITIES ACT

The Johns Hopkins 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.*

## 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 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.

---

## PROGRAM

**Monday, February 3, 2020 - Chevy Chase Bank Conference Center**

7:45 - 8:30	Registration and Continental Breakfast
8:30 - 8:35	<b>Welcome and Conference Goals</b> David Feller-Kopman, MD, FCCP
8:35 - 8:45	<b>The History of Pleural Disease</b> Ko-Pen Wang, MD
8:45 - 9:10	<b>Review of Pleural Anatomy and Physiology</b> David Feller-Kopman, MD, FCCP
9:10 - 9:30	<b>The Evaluation of Pleural Effusions: Does Light's Criteria Still Apply?</b> Richard Light, MD
9:30 - 9:50	<b>Ultrasound Guidance for Pleural Access</b> Brian Garibaldi, MD
9:50 - 10:00	<b>Questions and Answers / Panel Discussion</b> David Feller-Kopman, MD, FCCP, Brian Garibaldi, MD, Richard Light, MD, and Ko-Pen Wang, MD
10:00 - 10:20	Refreshment Break
10:20 - 10:40	<b>Thoracentesis and Chest Tube Pearls</b> R. Scott Stephens, MD
10:40 - 11:05	<b>Medical Thoracoscopy</b> Lonny Yarmus, DO, FCCP
11:05 - 11:30	<b>VATS 101</b> Jinny Ha, MD, MHS
11:30 - 11:45	<b>Questions and Answers / Pannel Discussion</b> Jinny Ha, MD, MHS, R. Scott Stephens, MD, and Lonny Yarmus, DO, FCCP
11:45 - 12:30	Lunch
12:30 - 1:00	<b>Parapneumonic Effusion and Empyema</b> Najib Rahman, Dphil, MSc, MRCP
1:00 - 1:25	<b>Management of Malignant Pleural Effusions</b> Andrew Lerner, MD
1:25 - 1:50	<b>Updates in Malignant Mesothelioma</b> Joseph Friedberg, MD
1:50 - 2:05	<b>Questions and Answers / Panel Discussion</b> Errol Bush, MD, Patrick Forde, MBBCh, Joseph Friedberg, MD, Andrew Lerner, MD, and Najib Rahman, Dphil, MSc, MRCP
2:05 - 2:20	Refreshment Break
2:20 - 2:45	<b>Management of Unclear Exudates</b> Jeffrey Thiboutot, MD, MHS
2:45 - 3:10	<b>Management of Pneumothorax</b> Souvik Chatterjee, MD
3:10 - 3:35	<b>Pleural Disease Journal Club: The Year in Review</b> Fabien Maldonado, MD
3:35 - 3:55	<b>Credentialing, Coding, and Reimbursement</b> Hans Lee, MD
3:55 - 4:10	<b>Questions and Answers / Panel Discussion</b> Richard Battafarano, MD, PhD, Souvik Chatterjee, MD, Hans Lee, MD, and Jeffrey Thiboutot, MD, MHS
4:10 - 4:30	<b>Summary</b>
4:30	Adjourn

**Tuesday, February 4, 2020 - MISTIC Lab, Johns Hopkins Hospital, Blalock 12**

8:00 - 8:30 Continental Breakfast

8:30 - 3:00 **Hands-On Stations (human cadavers)**

Participants will have 30 minutes at each station. Caps, masks, gloves and gowns will be provided. Participants are required to provide their own scrubs and proper footwear.

**Hands-On Faculty**

**MD/DO's:** Sharad Chandrika, MD, David Feller-Kopman, MD, FCCP, Hans Lee, MD, Andrew Lerner, MD, Richard Light, MD, Ashutosh Sachdeva, MBBS, R. Scott Stephens, MD, Stephen Yang, MD, and Lonny Yarmus, DO, FCCP

**PA's:** Jennifer Forti, PA-C, Victoria Gargon, PA, and David Lichtman, PA-C

**NP's:** J. Patrick Balao, MSN, CRNP and Kimberly Patel, RN, MSN, AG-ACNP

**RN's:** Kelly Walter, BSN

**Station A:** Semi-rigid Thoracoscopy

**Station B:** Rigid Thoracoscopy

**Station C:** Tunneled Pleural Catheters

**Station D:** Advanced Practice Provider Breakout Station

**Station E:** Tube Thoracostomy

**Station F:** Intra-bronchial Valve

**Station G:** Tunneled Pleural Catheter / Tube Thoracostomy

**Station H:** VATS

**Station I:** Meet the Professor

**Station J:** Ultrasound Simulator

12:00 - 12:45 Lunch

3:00 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 School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.**

## ACTIVITY DIRECTOR

### **David Feller-Kopman, MD, FCCP**

Professor of Medicine, Anesthesiology and  
and Otolaryngology – Head and Neck Surgery  
Director, Interventional Pulmonology

## JOHNS HOPKINS SPEAKERS

### **J. Patrick Balao, MSN, CRNP**

Nurse Practitioner  
Division of Pulmonary and Critical Care Medicine  
Interventional Pulmonology

### **Richard Battafarano, MD, PhD**

Associate Professor of Surgery

### **Errol Bush, MD**

Assistant Professor of Surgery

### **Sharad Chandrika, MD**

Assistant in Medicine

### **Souvik Chatterjee, MD**

Instructor of Medicine

### **Jennifer Forti, PA-C**

Physician Assistant Manager

### **Patrick Forde, MBBCh**

Associate Professor of Oncology  
Director, Thoracic Cancer Clinical Research Program

### **Victoria Gargon, PA-C**

Physician Assistant

### **Brian Garibaldi, MD**

Associate Professor of Medicine

### **Jinny Ha, MD, MHS**

Assistant Professor of Surgery

### **Hans Lee, MD**

Associate Professor of Medicine  
Director, Pleural Disease Services  
Director, Wang Interventional Pulmonary Fellowship

### **Andrew Lerner, MD**

Assistant Professor of Medicine  
Director, Interventional Pulmonology  
Health Information Management Department  
Sibley Memorial Hospital  
Washington, DC

### **David Lichtman, PA-C**

Instructor of Medicine  
Hospitalist Program

### **Kimberly Patel, RN, MSN, AG-ACNP**

Acute Care Nurse Practitioner

### **R. Scott Stephens, MD**

Assistant Professor of Medicine  
Director, Oncology and Bone Marrow Transplant Critical Care

### **Jeffrey Thiboutot, MD, MHS**

Instructor of Medicine

### **Kelly Walter, BSN**

Program Nurse Coordinator  
Johns Hopkins Bayview Medical Center

### **Ko-Pen Wang, MD**

Associate Professor of Medicine  
and Otolaryngology - Head and Neck Surgery

### **Stephen Yang, MD**

Professor of Surgery  
Associate Vice Chair, Faculty Development

### **Lonny Yarmus, DO, FCCP**

Associate Professor of Medicine and Oncology  
Clinical Chief, Division of Pulmonary and Critical Care Medicine  
Johns Hopkins School of Medicine  
Director, Interventional Pulmonary Research Core  
Johns Hopkins Bayview Medical Center

## GUEST SPEAKERS

### **Joseph Friedberg, MD**

Charles Reid Edwards, MD Professor of Surgery  
Director, Mesothelioma and Thoracic Oncology Center  
University of Maryland School of Medicine  
Thoracic Surgeon-in-Chief  
University of Maryland Medical System  
Baltimore, Maryland

### **Richard Light, MD**

Professor of Medicine  
Vanderbilt University Medical Center  
Nashville, Tennessee

### **Fabien Maldonado, MD**

Associate Professor of Medicine and Thoracic Surgery  
Vanderbilt University School of Medicine  
Nashville, Tennessee

### **Najib Rahman, DPhil, MSc, MRCP**

Professor of Respiratory Medicine  
Director, Oxford Respiratory Trials Unit  
Oxford Centre for Respiratory Medicine,  
Churchill Hospital, and the University of Oxford  
Oxford, England

### **Ashutosh Sachdeva, MBBS**

Assistant Professor of Medicine  
Director, Interventional Pulmonary  
University of Maryland Medical Center  
Baltimore, Maryland

**10<sup>th</sup> Annual Evaluation and Management of Pleural Disease  
February 3 - 4, 2020**

**TO REGISTER:**

**Online:** <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18619>  
**Fax:** (866) 510-7088 **Phone:** (410) 502-9636

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

**FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.**

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

Last Name		First Name	MI
Highest Degree	Primary Specialty	Hopkins Faculty/Staff Only – JHED ID:	
For Physicians Only – NPI 10 Digit #:		State of License #:	State of License:
ABIM #:		Birth Month:	Birth Day:
<input type="checkbox"/> I provide permission for my MOC completion information to be shared and transmitted to the Accreditation Council for Continuing Medical Education (ACCME).			
Organization		Mailing Address	
City	State	Zip + 4 Code	Country
Daytime Telephone		Fax Number	
Email (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:**

Physicians Two Day Course ..... \$ 1095  
 Physicians Didactic Only (Day One) ..... \$ 495  
 Residents\*/Fellows\* Two Day Course ..... \$ 495  
 Residents\*/Fellows\* Didactic Only (Day One) ..... \$ 295  
 \*with verification of status

Nurses/NPs/PAs/Allied Health Professionals Two Day Course ..... \$ 595  
 Nurses/NPs/PAs/Allied Health Professionals Didactic Only (Day One) ..... \$ 395

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on **January 28, 2020**, include a \$50 late fee. On-site registrations are payable only by credit card.

Total amount \$ \_\_\_\_\_.

**Payment Type:**

**JHU Faculty/Staff Only:** If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

TR Form: <https://hr.jhu.edu/wp-content/uploads/2019/03/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

