

*Presented by*  
JOHNS HOPKINS SCHOOL OF MEDICINE  
DEPARTMENT OF MEDICINE  
DIVISION OF PULMONARY AND CRITICAL CARE MEDICINE

# **Transbronchial and EBUS Guided Cryobiopsy**

## **Mastering the Technique**

**June 9, 2025**

Johns Hopkins Hospital  
Baltimore, Maryland

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



**JOHNS HOPKINS**  
MEDICINE

# Transbronchial and EBUS Guided Cryobiopsy:

## Mastering the Technique



### DESCRIPTION

This activity is designed to educate and train the practicing pulmonologist, chest surgeon, emergency department physician, hospitalists, internist, and oncologist, as well as other health care professionals interested in the care of patients with lung disease. Participants will develop a comprehensive knowledge of the management of lung diseases and indications, best practices, and associated complications of Cryobiopsy. As part of this activity, there will be both classroom-based didactics and practical hand-on training via a cadaver lab. We encourage RNs, NPs, and PAs with an interest in lung disease to attend as well.

### WHO SHOULD ATTEND

This activity is intended for providers in Critical Care Medicine, Emergency Medicine, Internal Medicine, Family Practice, Nurse Practitioner, Nursing, Oncology, Physician Assistant and Pulmonology.

### 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 5.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### 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 in place to identify and mitigate relevant conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

### 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.

### OBJECTIVES

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

- Explain current approaches to the indications for Cryobiopsy.
- Identify proper patient selection for Cryobiopsy techniques.
- Describe current options for diagnostic techniques in diffuse lung disease.

### OTHER CREDITS

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

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

**National Commission on Certification of Physician Assistants (NCCPA)** PAs may claim a maximum of 5.5 Category 1 credits for completing this activity. NCCPA accepts AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society.

### American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) Program

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 5.5 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.



# GENERAL INFORMATION

## REGISTRATION

June 9, 2025 8:30 – 8:55 a.m. ET

## LOCATION

Minimally Invasive Surgical Training and Innovation Center (MISTIC)  
Johns Hopkins Hospital  
1800 Orleans Street, Ballock Building 12th Floor  
Baltimore, Maryland 21287

## FEES

Register Online:

<https://hopkinscme.cloud-cme.com/course/courseoverview?P=5&EID=58726>

**Methods of Payment:** Learners must register and submit full payment prior to the start of the activity. On-site payments can only be accepted if made by learners via credit card through the online portal by 5:00 p.m. ET on the first day of the activity. The registration fee includes instructional materials, continental breakfast, refreshment break and lunch.

Physicians .....\$ 995

Allied Health Professionals .....\$ 495

*\*with verification of status*

You will receive a confirmation by e-mail. If you have not received it by **June 3, 2025**, 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.

## TO REGISTER OR FOR FURTHER INFORMATION

Register online:

<https://hopkinscme.cloud-cme.com/course/courseoverview?P=5&EID=58726>

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)

Facebook: [facebook.com/HopkinsCME](https://facebook.com/HopkinsCME)

Check out our mobile app CloudCME.



Organization Code: *HopkinsCME*

## LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on **June 3, 2025**. 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 **June 3, 2025**. 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.

## 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 July 24, 2025.**

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.

## 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.

- 8:30 - 8:55 Registration and Continental Breakfast
- 8:55 - 9:00 **Welcome and Conference Goals**  
Lonny Yarmus, DO
- 9:00 - 9:30 **The Cryoprobe: History, Physics and Functionality**  
Juergen Hetzel, MD, PhD
- 9:30 - 10:00 **Cryobiopsy for Diffuse Lung Disease**  
Venerino Poletti, MD, PhD
- 10:00 - 10:30 **Cryobiopsy for Lung Transplant**  
Jeffery Thiboutot, MD
- 10:30 - 11:00 Break
- 11:00 - 11:30 **Peripheral Cryobiopsy for PPN**  
Fabien Maldonado, MD
- 11:30 - 12:00 **EBUS Lymph Node Cryobiopsy**  
Felix Herth, MD, PhD
- 12:00 - 1:00 Lunch
- 1:00 - 4:00 **Hands On Stations: Human Cadavers (8)**  
*20 minutes per station*
- Station 1: EBUS Cryobiopsy  
Jeffrey Thiboutot, MD  
Juergen Hetzel, MD  
Benjamin DeMarco, MD
- Station 2: Foreign Body Removal  
Hans Lee, MD  
Ashutosh Sachdeva, MBBS
- Station 3: Hemorrhage Management  
Andrew DeMaio, MD  
Nikhil Meena, MD
- Station 4: ILD with Conventional Technique  
Angela C Argento, MD  
Venerino Poletti, MD
- Station 5: Peripheral PPN  
Robert J Lentz, MD  
Andrew Lerner, MD



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.*

**COURSE NUMBER 80067435 / 58726**

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### Registration Fees:

Physicians ..... \$ 995

Allied Health Professionals\* ..... \$ 495

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The registration fee includes instructional materials, continental breakfast, refreshment break and lunch.



# SPEAKERS

## ACTIVITY DIRECTOR



**Lonny Yarmus, DO, MBA**  
Vice Chair for Clinical Business Development  
& Strategy  
Department of Medicine  
Professor of Medicine

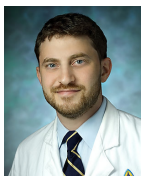
## JOHNS HOPKINS SPEAKERS



**Christine Argento, MD**  
Associate Professor of Medicine



**Hans Lee, MD**  
Associate Professor of Medicine



**Andrew Lerner, MD**  
Clinical Assistant Professor

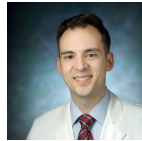


**Jeff Thiboutot, MD**  
Assistant Professor of Medicine

## GUEST SPEAKERS



**Andrew DeMaio, MD**  
Assistant Professor of Medicine and  
Cardiothoracic Surgery  
New York University Langone



**Benjamin DeMarco, MD**  
Assistant Professor of Medicine  
University of North Carolina



**Juergen Hetzel, MD, PhD**  
Chief, Department of Internal Medicine  
Professor of Medicine  
Tubingen University Hospital



**Robert Lentz, MD**  
Associate Professor of Medicine  
Vanderbilt University Medical Center



**Nikhil Meena, MD**  
Pulmonologist  
University of Arkansas for Medical Sciences



**Venerino Poletti, MD, PhD**  
Head, Department of Medical Specialties GB  
Morgagni Hospital  
Professor of Pulmonary Medicine  
University of Bologna



**Ashutosh Sachdeva, MBBS**  
Associate Professor of Medicine  
Director, Interventional Pulmonary  
University of Maryland School of Medicine

For general information, please visit the activity webpage at <https://hopkinscme.cloud-cme.com/about/help>

For technical assistance with website, CloudCME or credits, please visit our tech support help page:

<https://hopkinscme.cloud-cme.com/course/courseoverview?P=5&EID=58726>