



Office of Continuing Medical Education
 Johns Hopkins University School of Medicine
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 Baltimore, Maryland 21205-2195

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**Fourth Annual
 Percutaneous
 Tracheostomy
 and
 Advanced Airway
 Cadaver Course**

DATED MATERIAL



MONDAY, OCTOBER 9, 2017
 Baltimore, Maryland

CONTINUING MEDICAL EDUCATION

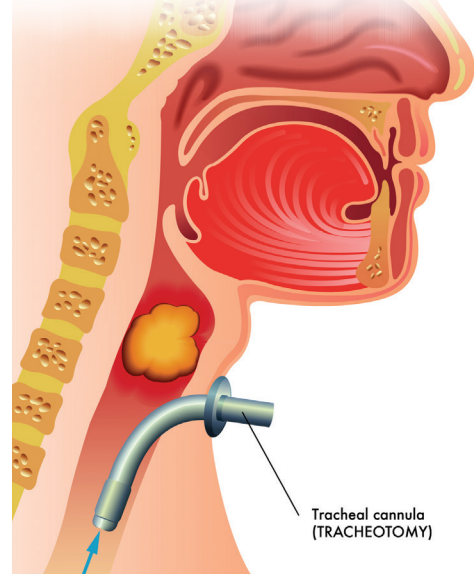
**Johns Hopkins University School of Medicine
 Division of Pulmonary and Critical Care Medicine**

presents

**Fourth Annual
 Percutaneous
 Tracheostomy**

and

**Advanced Airway
 Cadaver Course**



MONDAY, OCTOBER 9, 2017

Minimally Invasive Surgical Training Center (MISTC Lab)
 The Johns Hopkins Hospital
 Baltimore, Maryland

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



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.*



**JOHNS HOPKINS
 MEDICINE**

Description

Multiple disciplines in medicine participate in the care of patients with airway difficulty. This range includes surgeons, intensivists, emergency medicine, anesthesiologists, pulmonologists, and respiratory therapists. As new technology and techniques develop there is often a lag in disseminating these skills and deficit in knowledge. This course will address very specific skill sets that will help clinicians improve management of their patients' care. Several performance improvement programs have been published from the Johns Hopkins experience including the difficult airway team and multi-disciplinary tracheostomy team. These programs continue to record measures of performance improvement.

Percutaneous procedures are a new option for patients to have minimally invasive procedures. Bronchoscopically guided percutaneous tracheostomy offers a bedside procedure for critically ill patients which eliminates the need for transport to an operating room, which is associated with a higher morbidity and mortality. In addition, there is a cost saving and more accurate technique to reduce complications such as stomal infections when compared to current open techniques for tracheostomy.

Direct laryngoscopy performed using traditional Macintosh and Miller blades is currently the standard of care for performing tracheal intubation. Video laryngoscopes (VLs) have been shown to improve glottis exposure and increase first-attempt success rates for tracheal intubation in both elective operating room and simulation-based settings when compared with the direct laryngoscope. Emergency airway management in critically ill patients outside the controlled setting of the Operating Room is associated with a higher incidence of difficult intubations, ranging anywhere from 10% to 22%, and also with increased risk of respiratory and hemodynamic complications, including death. Video laryngoscopy has recently been shown to improve glottic views and intubation success rates in pulmonary/critical care practitioners specifically in patients with known difficult airway predictors. Currently, at Johns Hopkins pulmonary/critical care trainees and practitioners do not receive training in VL, this is also true at many training centers due to a new technology which has not disseminated these skills. This course will allow for didactic learning and hands-on training with this new technology.

This full day course will begin with mini-didactic lectures of fundamental knowledge and panel case based discussions. The second half of the course will be focused on hands-on training with our faculty in small groups. This continuing medical education course is designed to provide participants with an interactive hands-on experience in percutaneous tracheostomy and advance airway devices using simulation models and cadavers. The lecturers and instructors are members of our multi-disciplinary faculty with formal training in a wide spectrum of procedures and techniques.

Who Should Attend

This activity is intended for pulmonary, critical care, and emergency medicine physicians, respiratory therapists, nurses and administrators, nurse practitioners, and physician assistants.

Objectives

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

- Implement proper patient selection for tracheostomy.
- Recognize a potential complex airway and list various techniques for advance airway management.
- Perform percutaneous tracheostomy and other airway techniques on a cadaver model.

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 7.5 *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 7.5 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. The provider must include a comprehensive evaluation component that measures learners' change. It is the CME activity provider's responsibility to submit participant completion information to ACCME ACCME's Program and Activity Reporting System (PARS) for the purpose of granting ABIM MOC credit.



OTHER CREDITS

American Academy of Nurse Practitioners National Certification Program

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

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 7.5 AAPA Category 1 CME credits for completing this program.

American Nurses Credentialing Center (Reciprocity)

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 7.5 contact hours for non-physicians.

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.

General Information

REGISTRATION

Monday, October 9, 2017 • 7:30 a.m.

LOCATION

Minimally Invasive Surgical Training Center (MISTC Lab)

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

The Blalock Building is located in The Johns Hopkins Hospital. 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 N. Wolfe Street and Broadway. Handicapped parking is also available in the Orleans Street Garage. **Johns Hopkins is smoke-free.**

FEES

REGISTRATION CUT-OFF DATE: October 3, 2017

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 breakfast, refreshment breaks and lunch.

Physicians	\$1,000
Residents*/Fellows*/Nurses/NPs/PAs/RTs/Allied Health Professionals	\$750
*with verification of status	

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

Program

Morning Session

7:30 - 8:00	Registration and Continental Breakfast
8:00 - 8:15	Welcome and Conference Goals Hans Lee, MD
8:15 - 8:45	Cricothyroidotomy Simon Best, MD
8:45 - 9:15	Case Discussion <i>Moderator:</i> Ashutosh Sachdeva, MBBS <i>Panelists:</i> Simon Best, MD, Nasir Bhatti, MD, and David Feller-Kopman, MD, FCCP
9:15 - 9:45	Evaluation/ Management Difficult Airway Christina Miller, MD
9:45 - 10:15	Case Discussion <i>Moderator:</i> Diana Yu, MD <i>Panelists:</i> Christina Miller, MD, Michael Phelps, MD, and Adam Schiavi, MD
10:15 - 10:30	Refreshment Break
10:30 - 10:45	Percutaneous Tracheostomy David Feller-Kopman, MD, FCCP
10:45 - 11:15	Case Discussion <i>Moderator:</i> David Feller-Kopman, MD, FCCP <i>Panelists:</i> Sixto Arias, MD, Hans Lee, MD, and Ashutosh Sachdeva, MD

11:15 - 11:30	Airway Devices (Stents/ T-tubes/ Trach) Management Hans Lee, MD
11:30 - 12:00	Case Discussion <i>Moderator:</i> Sixto Arias, MD <i>Panelists:</i> David Feller-Kopman, MD, FCCP and Lonny Yarmus, DO, FCCP

12:00 - 12:45 Lunch

Afternoon Session

12:45 - 4:15	Cadaver Hands-On Sixtos Arias, MD, David Feller-Kopman, MD, FCCP, Hans Lee, MD, Michel Phelps, MD, Ashutosh Sachdeva, MBBS, and Diana Yu, MD
4:15 - 4:30	Summary Hans Lee, MD
4:30	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.

General Information *Continued*

LATE FEE AND REFUND POLICY

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

HOTEL AND TRAVEL INFORMATION

Renaissance Harborplace Hotel (800) 468-3571
202 East Pratt Street (410) 547-1200
Baltimore, Maryland 21202 FAX: (410) 539-5780
Web Site: www.renaissancehotels.com

HOTEL RESERVATION CUT-OFF DATE: September 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.

The Renaissance 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 online at www.renaissancehotels.com/BWISH (/inquire about group code) or call the hotel directly and specify that you are attending the Johns Hopkins Percutaneous Tracheostomy course to receive the special group rate of \$179, 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.

EVALUATION AND OUTCOMES SURVEY

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 October 9, 2017 direct emergency calls to the MISTC Lab, (443) 287-2334. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University School of Medicine fully complies/comply 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 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

Hans Lee, MD

Assistant Professor of Medicine
Director, Wang Interventional Pulmonary Fellowship

Johns Hopkins Speakers

Simon Best, MD

Assistant Professor of Medicine and Otolaryngology-Head and Neck Surgery

Nasir Bhatti, MD

Associate Professor of Otolaryngology-Head and Neck Surgery

David Feller-Kopman, MD, FCCP

Associate Professor of Medicine
Director, Interventional Pulmonary

Christina Miller, MD

Assistant Professor of Neuro Anesthesiology

Michael Phelps, MD

Instructor in Adult Anesthesiology

Adam Schiavi, MD

Assistant Professor of Neuro Anesthesiology

Lonny Yarmus, DO, FCC

Associate Professor of Medicine
Clinical Director, Division of Pulmonary and Critical Care Medicine

Diana Yu, MD

Clinical Instructor of Medicine

Guest Speaker

Sixto Arias, MD

Director, Interventional Pulmonary
University of Miami
Miami, Florida

Ashutosh Sachdeva, MBBS

Director, Interventional Pulmonary
University of Maryland School of Medicine
Baltimore, Maryland

Registration Form

Course Number 80042628 / 9772

Fourth Percutaneous Tracheostomy and Advanced Airway Cadaver Course

Monday, October 9, 2017

To Register: Online <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=9772>
By fax: (866) 510-7088 **By 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.

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	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				

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

I plan to stay at the Renaissance Harborplace Hotel in Baltimore, Maryland.

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

Please notify us if you have any special needs. _____

Registration Fees:

Physicians..... \$1,000

Residents*/Fellows*/Nurses/Nurse Practitioners/Physician Assistants/
Allied Health Professionals \$750
*with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on October 3, 2017. On-site registrations are payable only by credit card.

Total amount enclosed \$ _____

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: <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=9772>

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>

NEW! Check out our mobile app CloudCME.

Organization Code: **HopkinsCME**



For website and CloudCME mobile app technical difficulties, email:

cmtechsupport@jhmi.edu

Sponsoring Division:

<http://www.hopkinsmedicine.org/pulmonary/clinics/interventional/html>

For general information, please visit the activity webpage at

<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=9772>

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Johns Hopkins University School of Medicine

Baltimore, Maryland

PROGRAM

- 7:30- 8:00 Registration and Continental Breakfast
- 8:00 - 8:15 **Welcome and Conference Goals**
Hans Lee, MD
- 8:15 – 8:45 **Cricothyroidotomy**
Simon Best, MD
- 8:45- 9:15 **Case Discussion**
Moderator: Ashutosh Sachdeva, MBBS
Panelists: Simon Best, MD, Nasir Bhatti, MD, and David Feller-Kopman, MD,
FCCP
- 9:15 - 9:45 **Evaluation/ Management Difficult Airway**
Christina Miller, MD
- 9:45-10:15 **Case Discussion**
Moderator: Diana Yu, MD
Panelists: Christina Miller, MD, Michael Phelps, MD, and Adam Schiavi, MD
- 10:15-10:30 Refreshment Break
- 10:30 - 10:45 **Percutaneous Tracheostomy**
David Feller-Kopman, MD, FCCP
- 10:45- 11:15 **Case Discussion**
Moderator: David Feller-Kopman, MD, FCCP
Panelists: Sixto Arias, MD, Hans Lee, MD, and Ashutosh Sachdeva, MD
- 11:15–11:30 **Airway Devices (Stents/ T-tubes/ Trach) Management**
Hans Lee, MD
- 11:30-12:00 **Case Discussion**
Moderator: Sixto Arias, MD
Panelists: David Feller-Kopman, MD, FCCP and Lonny Yarmus, DO, FCCP
- 12:00- 12:45 Lunch
- 12:45 - 4:15 **Cadaver Hands-On**
Sixtos Arias, MD, David Feller-Kopman, MD, FCCP, Hans Lee, MD,
Michel Phelps, MD, Ashutosh Sachdeva, MBBS, and Diana Yu, MD

4:15- 4:30 **Summary**
Hans Lee, MD

4:30 Adjourn
You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.
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