



**HARVARD**  
MEDICAL SCHOOL

*Earn up to 30.0 AMA PRA Category 1 Credits™*

# Pulmonary and Critical Care Medicine 2015

April 26 - 29, 2015 • Royal Sonesta Hotel, Cambridge, MA

**Diagnosis**

**Physical Examination**

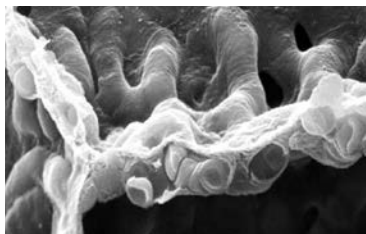
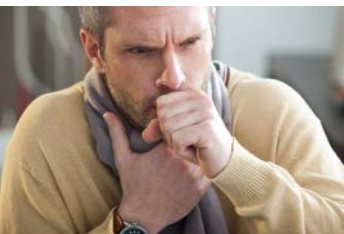
**New Therapies**

**Treatment Plans**

**Procedures**

**Patient Counseling**

- Updates to improve outcomes for patients with common pulmonary conditions
- Important guidelines for new inhaled medications in asthma and COPD
- Current treatment strategies for pulmonary embolus
- Expanded diagnostic options for mycobacterial infection
- New practice recommendations for treating sepsis
- ICU advances for ECMO and sedation
- Expert instruction for conducting end-of-life discussions
- New targeted therapies for lung cancer
- Best practices to evaluate and utilize new antithrombotic agents



Under the direction of R. Scott Harris, MD; David J. Kanarek, MD; B. Taylor Thompson, MD



# HARVARD

## MEDICAL SCHOOL

Dear Colleague,

We've all experienced the growing pile of unread journals, or questions about a new medication that we haven't had time to research. It's hard to keep up with the pace of diagnostic and treatment updates, and this puts us at risk of managing patients with outdated strategies. But to effectively synthesize reams of new data in a way that can impact patient outcomes requires protected time away from life's otherwise full schedule.

That's why we started this conference over thirty years ago. This program is unique in that it:

- Consolidates updates in the areas of greatest importance in pulmonary and critical care medicine.
- Is taught by master clinicians that can deliver information in an entertaining way.
- Actively encourages faculty and participants to develop lasting professional relationships.
- Ensures that content is practical and that attendees leave not only with new treatment strategies and guidelines and an understanding of newer diagnostic options, but also with specific recommendations to incorporate these updates into practice.
- Offers a glimpse into the future of the field with short talks given by world-renowned experts on inspiring and cutting-edge topics.

Most of us went into this profession to use our diagnostic and therapeutic knowledge to help patients. Now, with more attention being paid to "practice variability" by health professionals, the need to continuously hone diagnostic and therapeutic skills has never been greater. We encourage you to join us in Boston in April for this timely and important program.

Sincerely,



**R. Scott Harris, MD**

*Associate Professor  
of Medicine at  
Harvard Medical School*



**David J. Kanarek, MD**

*Associate Clinical  
Professor of Medicine at  
Harvard Medical School*



**B. Taylor Thompson, MD**

*Professor of Medicine at  
Harvard Medical School*

# Reasons to Attend in 2015

## Practitioners from around the world attend this course for:

- Revised guidelines for treating sepsis
- How to incorporate the latest COPD drugs into your practice
- Improving outcomes for patients with unexplained chronic cough
- New ventilator modes – should we apply them, and when?
- When to consider ECMO in your hypoxemic patient
- 2015 guidelines for management of lung nodules
- Best practices for sleep studies for patients with sleep apnea
- Proper usage of new antithrombotic agents
- Targeted therapies for lung cancer
- When to consider lung transplantation
- New drugs to improve patient outcomes in IPF
- Expert advice on mycobacterial diagnostics and therapy

This program is among the highest-rated Harvard Medical School CME courses.

## Who is Attending

Pulmonary physicians  
Critical care physicians  
Thoracic surgeons  
Internists  
Nurse practitioners  
Physician assistants  
Residents and fellows

## Course Directors

### R. Scott Harris, MD

*Associate Professor of Medicine at Harvard Medical School*

*Associate Physician at Massachusetts General Hospital*

### David J. Kanarek, MD

*Associate Clinical Professor of Medicine at Harvard Medical School*

*Physician at Massachusetts General Hospital*

### B. Taylor Thompson, MD

*Professor of Medicine at Harvard Medical School*

*Director of Translational Research for the Pulmonary and Critical Care Unit at the Massachusetts General Hospital (MGH)*

*Associate Editor for Critical Care for the American Journal of Respiratory and Critical Care Medicine*

*Medical Director and Co-principal Investigator of the National Heart, Lung & Blood Institute (NHLBI) PETAL Network Clinical Coordinating Center*

## HARVARD MEDICAL SCHOOL FACULTY

Todd L. Astor, MD	Colleen M. Keyes, MD, MPH
Ednan K. Bajwa, MD, MPH	Richard L. Kradin, MD
Katharine E. Black, MD	David J. Kuter, MD, DPhil
Robert Brown, MD	Gregory D. Lewis, MD
Bartolome Celli, MD	Aidan A. Long, MBBCh
Colleen L. Channick, MD	Jessica McCannon, MD
Richard N. Channick, MD	Theresa McLoud, MD
Josalyn L. Cho, MD	Benjamin D. Medoff, MD
Paul F. Currier, MD	James E. Mojica, MD, FAASM
Benjamin T. Davis, MD	John L. Niles, MD
Maha Farhat, MD	Debby Ngo, MD
Fiona K. Gibbons, MD	Walter J. O'Donnell, MD
Michael A. Gillette, MD, PhD	L. Christine Oliver, MD
Leo C. Ginns, MD	Jayaraj Rajagopal, MD
C. Corey Hardin, MD	Josanna Rodriguez-Lopez, MD
R. Scott Harris, MD	Jonathan Rosand, MD, MSc
Rebecca Suk Heist, MD	Dana R. Sajed, MD
Dean Hess, PhD, RRT	Kai Saukkonen, MD
Kathryn Hibbert, MD	Leonard Sicilian, MD
Rocio Hurtado, MD, DTM&H	Andrew M. Tager, MD
Vicki A. Jackson, MD	B. Taylor Thompson, MD
David J. Kanarek, MD	Vladimir Vinarsky, MD
Vanessa Bradford Kerry, MD	

## LEARNING OBJECTIVES

Upon completion of this course, participants will be able to:

- Evaluate the pathophysiology of lung disease and critical illness, including key pathologic and radiologic features.
- Apply evidence from recent literature to clinical case management.
- Apply new clinical practice guidelines to improve patient outcomes.
- Utilize diagnostic and therapeutic tools offered by specialists outside of pulmonary and critical care medicine to optimally care for complicated patients.

Program changes/substitutions may be made without notice

### Accreditation

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of *30.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**The Royal College of Physicians and Surgeons of Canada** recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

*AMA PRA Category 1 Credits™* claimed by physicians attending live events certified and organized in the United States for *AMA PRA Category 1 Credits™* can be claimed through the agreement on mutual recognition of credits between UEMS and AMA, considered as being equal to the **European Continuous Medical Education Credits** (ECMEC©) granted by the UEMS. One *AMA PRA Category 1 Credit™* is equivalent to one (1) hour of European EACCME Credit (ECMEC©), therefore up to 30 ECMEC© Credits are available. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

### ACGME Competencies

This course is designed to meet the following Accreditation Council of Graduate Medical Education (ACGME) competencies:

- Patient care
- Practice-based learning and improvement
- Professionalism
- Medical knowledge
- Systems-based practice

**Register at [PCC.HMSCME.com](https://PCC.HMSCME.com)**

PULMONARY AND CRITICAL CARE MEDICINE 2015

SUNDAY, APRIL 26

7:30-7:55     **Registration**  
**Continental Breakfast**

7:55-8:00     **Welcome**  
David J. Kanarek, MD

**Morning Sessions**  
*Moderated by Kathryn Hibbert, MD*

8:00-8:40     **There Is No Such Thing  
as Weaning**  
Robert Brown, MD

8:40-9:20     **Ventilator Modes—What’s New  
and What’s Worth Keeping?**  
Dean Hess, PhD, RRT

9:20-9:50     **ECMO**  
Kathryn Hibbert, MD

9:50-10:05     Coffee break

10:05-10:45     **Sedation and Analgesia  
in the ICU**  
Ednan K. Bajwa, MD, MPH

10:45-11:25     **Role of Lung Biopsy  
in the Management of  
Patients in the ICU**  
Richard L. Kradin, MD

11:25-12:15     **Pathogenesis of Sepsis and  
Current Treatment Guidelines:  
Evolution of a New Paradigm**  
B. Taylor Thompson, MD

12:15-1:00     **Lunch** (On Your Own)

**Afternoon Sessions**  
*Moderated by Debby Ngo, MD*

1:00-1:45     **GERD in Pulmonology**  
David J. Kanarek, MD

1:45-2:15     **Diagnosis and Management of  
IPF: How Do We Use the New  
Drugs?**  
Andrew M. Tager, MD

2:15-2:45     **Interstitial Lung Disease and  
Autoimmune Disease: Which  
Tests and What Treatment?**  
Katharine E. Black, MD

2:45-3:00     Coffee break

3:00-3:45     **Sarcoidosis**  
Fiona K. Gibbons, MD

3:45-4:30     **Management of Advanced  
Lung Disease**  
Leo C. Ginns, MD

4:30-5:00     **Cellular Mechanics of  
Lung Disease**  
C. Corey Hardin, MD

MONDAY, APRIL 27

**Morning Sessions**  
*Moderated by Vanessa Bradford Kerry, MD*

7:15-8:00     **Continental Breakfast**  
**Meet the Professors**  
Drs. Bajwa, Brown, Ginns,  
Kanarek, Kradin, and Tager

8:00-8:45     **Ventilator-Associated  
Pneumonia**  
Walter J. O’Donnell, MD

8:45-9:30     **ARDS: Evidence-Based  
Practice & Beyond**  
Benjamin D. Medoff, MD

9:30-10:15     **Severe Influenza Infection:  
Pathogenesis and  
Emerging Therapies**  
Josalyn L. Cho, MD

10:15-10:30     Coffee break

10:30-11:15     **Point-of-Care Ultrasound  
in the ICU**  
Dana R. Sajed, MD

11:15-12:00     **Common Neurologic Issues  
in the ICU**  
Jonathan Rosand, MD, MSc

12:00-12:30     **Protein Biomarkers: Improving  
Diagnostics in Cardiopulmonary  
and Critical Care Medicine**  
Michael A. Gillette, MD, PhD

12:30-1:30     **Lunch** (On Your Own)

**Afternoon Sessions**  
*Moderated by Vladimir Vinarsky, MD*

1:30-2:15     **Pneumonia, Community and  
Hospital Acquired**  
Benjamin T. Davis, MD

2:15-3:00     **The Unexplained Chronic Cough**  
Kai Saukkonen, MD

3:00-3:15     Coffee break

3:15-4:00     **Sleep Apnea**  
James E. Mojica, MD, FAASM

4:00-4:45     **Hemorrhage and ANCA-  
Associated Disease**  
John L. Niles, MD

4:45-5:30     **Palliative Care**  
Vicki A. Jackson, MD

6:00-8:00     **Reception**  
Paul S. Russell, MD Museum of  
Medical History & Innovation, MGH

PULMONARY AND CRITICAL CARE MEDICINE 2015

TUESDAY, APRIL 28

Morning Sessions

Moderated by Jessica McCannon, MD

7:30-8:30	<b>Continental Breakfast Meet the Professors</b> Drs. Medoff, Mojica, O'Donnell, Sajed, Saukkonen and Thompson
8:30-9:15	<b>Treatment of Non-Small Cell Lung Cancer</b> Rebecca Suk Heist, MD
9:15-10:00	<b>Interventional Pulmonology</b> Colleen L. Channick, MD
10:00-10:15	Coffee break
10:15-11:00	<b>Lung Transplantation</b> Todd L. Astor, MD
11:00-11:45	<b>Exercise and Cardiopulmonary Disorders</b> Gregory D. Lewis, MD
11:45-12:30	<b>Occupational and Environmental Lung Disease</b> L. Christine Oliver, MD
12:30-1:15	<b>Lunch</b> (On Your Own)

Afternoon Sessions

Moderated by Paul F. Currier, MD, MPH

1:15-2:00	<b>Emerging Concepts in COPD</b> Bartolome R. Celli, MD
2:00-2:45	<b>Thrombotic Mechanisms and Antithrombotic Agents</b> David J. Kuter, MD, DPhil
2:45-3:30	<b>Pleural Disease</b> Colleen M. Keyes, MD, MPH
3:30-3:45	Coffee break
3:45- 4:30	<b>Pulmonary Embolism and DVT</b> Richard N. Channick, MD
4:30-5:15	<b>Pulmonary Hypertension - Evaluation and Controversy in Management</b> Josanna M. Rodriguez-Lopez, MD
5:15-5:45	<b>A Strategic Approach to the Management of Pulmonary Nodules: What Makes Sense?</b> Theresa C. McLoud, MD

WEDNESDAY, APRIL 29

Morning Sessions

Moderated by Maha Farhat, MD

7:30-8:30	<b>Continental Breakfast Meet the Professors</b> Drs. Astor, C. Channick, R. Channick, Kuter, Lewis and Oliver
8:30-9:00	<b>The Diagnostic Approach to Tuberculosis and Implications for Emerging Resistance in Other Pathogens</b> Maha Farhat, MD
9:00-9:45	<b>Atypical Mycobacterial Disease</b> Rocio M. Hurtado, MD, DTM&H
9:45-10:30	<b>Cystic Fibrosis &amp; Bronchiectasis</b> Leonard Sicilian, MD
10:30-10:45	Coffee break
10:45-11:30	<b>Regenerative Pulmonology: Stem Cells and Lung Disease</b> Jayaraj Rajagopal, MD
11:30-12:15	<b>Current Asthma Concepts</b> Aidan A. Long, MBCh

Course Description

The objective of “Pulmonary and Critical Care Medicine 2015” is to review subjects of major clinical importance together with current approaches to their diagnosis and management. The topics include a variety of intensive care issues such as sepsis, ARDS, and ventilator management as well as pulmonary issues such as lung transplantation, interstitial lung disease, COPD, pulmonary hypertension, cough, pleural disease, sleep apnea, pneumonia, tuberculous and non-tuberculous mycobacteria, asthma, the management of thromboembolism, and lung cancer. The course utilizes lectures and case discussion, supplemented by extensive lecture notes and an accompanying bibliography, and informal meet-the-professor sessions.

The program features 40 expert speakers with diverse teaching methodologies, including lecture seminars, case discussion and expert panels (Meet-the-Professor) for interactive question/answer sessions. The use of multiple learning methodologies to engage the learners in the educational process will assist them in developing new strategies to use in their daily practice.





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	COURSE TUITION*	
<b>Pulmonary and Critical Care Medicine 2015</b> <b>Course #352605</b> All fees in USD	Register after Feb. 28, 2015	Register by Feb. 28, 2015 (SAVE \$100)
Physician	\$995	\$895
Allied Health Professional	\$795	\$695
Resident or Fellow in Training	\$795	\$695

\* All attendees receive a flash drive with course materials. You can also purchase (at a fee of \$50) a printed version of the course materials.

## Payment, Confirmation and Refund Policy

Payment via credit card (VISA, MasterCard or American Express) or check only. Telephone, fax, and cash-payment registrations are not accepted. Upon receipt of your paid registration, an email confirmation from the HMS DCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail, email, or fax. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

## Venue

Royal Sonesta Hotel  
40 Edwin Land Boulevard  
Cambridge, MA  
617-806-4200

## Accommodations

A limited number of discounted rooms are being held on a first-come, first-served basis at the Royal Sonesta Hotel, Cambridge. When you contact the hotel (reservation line: 617-806-4200), please indicate that you will be attending this course, so that you may receive a discounted rate of \$249 single/double.

Please do not make non-refundable travel arrangements until you have received an email from our office confirming your paid registration.

## Disclosure Policy

Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.



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