

## LAHEY CLINIC FACULTY

**Ghazwan Acash, M.D.**  
Interventional Pulmonology  
Staff Physician  
Department of Pulmonary and  
Critical Care Medicine  
Asst. Professor of Medicine,  
Tufts Univ. School of Medicine

**Sheila Cuniff, R.N., B.S.**  
Associate Chief of Ambulatory  
Nursing Practice  
Department of Pulmonary and  
Critical Care Medicine

**John M. Dugan, M.D.**  
Department of Pathology  
Asst. Clin. Professor of Pathology,  
Tufts Univ. School of Medicine

**Anthony Gray, Jr., M.D.**  
Department of Pulmonary and  
Critical Care Medicine  
Asst. Clin. Professor of Medicine,  
Tufts Univ. School of Medicine

**Carla Lamb, M.D.**  
Interventional Pulmonary  
Program Director  
Department of Pulmonary and  
Critical Care Medicine  
Asst. Clin. Professor of Medicine,  
Tufts Univ. School of Medicine

**Fares Mouchantaf, M.D.**  
Interventional Pulmonary Fellow  
Department of Pulmonary and  
Critical Care Medicine

**Sara Shadchehr, D.O.**  
Interventional Pulmonology  
Staff Physician  
Department of Pulmonary and  
Critical Care Medicine

**Andrew Villanueva, M.D.**  
Chief Medical Officer,  
Burlington Clinic  
Chairman, Department of  
Pulmonary and Critical Care  
Medicine  
Chairman, Division of Medicine  
Asst. Clin. Professor of Medicine,  
Tufts Univ. School of Medicine

## LABORATORY FACULTY

**Roberta Delrosso, RN**  
**Joan Gabriel, RN**  
**Jennifer Keating, RN**  
**Cynthia Maher,**  
Admin. Asst.

**Michelle Ministeri,**  
Bronch Tech  
**Anne Riley, RN**  
**Mark Ready,**  
Bronch Tech

**Donna Reilly, RN**  
**Margaret Russo,**  
Bronch Tech  
**Carla Walecka, SCT**  
(ASCP) IAC

## GUEST FACULTY

**Colleen Channick, M.D.**  
Director of Interventional  
Pulmonology  
Massachusetts General Hospital  
Boston, Massachusetts

**David Feller-Kopman, M.D.**  
Director, Bronchoscopy &  
Interventional Pulmonology  
Johns Hopkins Hospital  
Baltimore, Maryland

**Atul Mehta, M.B.B.S.**  
Vice Chairman, Pulmonary,  
Allergy & Critical Care Medicine  
Medical Director,  
Lung Transplantation  
Head – Section of Bronchology  
CMO, Cleveland Clinic Abu Dhabi  
Cleveland Clinic  
Cleveland, Ohio

**Ali I. Musani, M.D.**  
Associate Professor of Medicine  
& Pediatrics  
Director, Interventional  
Pulmonology & Bronchoscopy  
National Jewish Health  
Associate Professor of Medicine  
University of Colorado  
Denver, CO

**David Ost, M.D., M.P.H.**  
Director, Interventional  
Pulmonology  
M.D. Anderson Cancer Center  
Houston, TX

**R. Wesley Shepherd, M.D.**  
Pulmonary and Critical Care  
Medicine  
VCU Health Systems,  
Medical College of Virginia  
Richmond, Virginia

**Momen Wahidi, M.D., M.B.A.**  
Director, Interventional  
Pulmonology  
Duke University Medical Center  
Durham, North Carolina

**Kazuhiro Yasufuku, M.D.**  
Department of Thoracic Surgery  
Toronto General Hospital  
University Health Network  
Toronto, Canada

## ACKNOWLEDGEMENT

Appreciation for potential support of this program in the form of educational grants and/or use of equipment is expressed to:

Boston Medical Products  
Boston Scientific  
Bryan Corporation  
Care Fusion  
ConMed Endoscopic Technologies  
Cook Critical Care  
Erbe USA, Inc.  
Karl Storz Endoscopy America

Medtronic Xomed  
Merit Endotek  
Olympus America  
Pentax Medical  
Smith Medical  
Spiration  
InReach Navigation Systems

## LOCATION / ACCOMMODATIONS

All lectures and laboratory sessions will be held at the Lahey Clinic, 41 Mall Road, Burlington, Massachusetts. A block of hotel rooms has been held at the Burlington Marriott Hotel, which is within walking distance to Lahey Clinic. The hotel also provides a shuttle to and from Lahey Clinic. Rooms will be held in the block until February 28th, after which time reservations will be accepted on a space available basis. Reservations may be made by calling Marriott Hotel Central Reservations at 800-228-9290. For other questions, please call the Burlington Marriott directly at (781) 229-6565. Please indicate that you are attending the Lahey Clinic Interventional Pulmonology Conference. You may also contact our travel agency, Great International Travel at 800 643-4300 for information on other local accommodations.

## DIRECTIONS TO LAHEY CLINIC

From Logan Airport: Follow signs for I-93 North. Take I-93 North to Exit 37B-Route 128/I-95 South. Follow directions below:

### From the South:

Take Route 128/I95 North to Exit 33B. Turn right on Cambridge Street and take the first left on to Mall Road. Lahey Clinic's main entrance is one half mile on the left.

### From the North:

Take Route 128/I95 South to Exit 33B. Exit on to Mall Road. Lahey Clinic is one half mile on the left.

## COURSE INFORMATION

Lahey Clinic, Office of Continuing Medical Education  
(781) 744-8969. Website: [www.Lahey.org/IP20112](http://www.Lahey.org/IP20112)

## DISCLOSURE POLICY

Lahey Clinic adheres to ACCME Essential Areas, Policies and Standards for Commercial Support regarding industry support of continuing medical education. Disclosure of faculty's commercial relationships will be made known in the program materials. Speakers will disclose any discussion of unlabeled or investigational uses of products that are mentioned in their presentations.

*This course is endorsed by the  
American Association for Bronchology.*

Lahey Clinic  
Educational Seminars  
Continuing Medical Education  
41 Mall Road  
Burlington, MA 01805



A teaching hospital of Tufts University School of Medicine

## Department of Pulmonary & Critical Care Medicine

Presents

# INTERVENTIONAL PULMONOLOGY

“The Twenty-Ninth Year”

Advanced Diagnostic and  
Therapeutic Bronchoscopy  
Medical Thoracoscopy  
Percutaneous Tracheostomy

The Most Comprehensive Course  
with National and International  
Expert Faculty

March 28 – 31, 2012

Burlington,  
Massachusetts

NON-PROFIT ORG.  
U.S. POSTAGE  
PAID  
BOSTON, MA  
PERMIT NO. 54302

## INTERVENTIONAL PULMONOLOGY

### Diagnostic & Therapeutic Bronchoscopy Medical Thoracoscopy Percutaneous Tracheostomy

March 28 – 31, 2012

Course Director: Carla Lamb, M.D.

Associate Course Directors: Ghazwan Acash, M.D.,  
Sheila Cunniff, R.N., B.S., Anthony Gray, Jr., M.D.,  
Sara Shadchehr, D.O. and Andrew Villanueva, M.D

### PROGRAM OVERVIEW AND COURSE OBJECTIVES

This post-graduate course is designed for experienced thoracic endoscopists and will cover indications, contraindications, and clinical applications of various procedures in the field of interventional pulmonology including: rigid bronchoscopy, laser bronchoscopy, endobronchial stent insertion, transbronchial needle aspiration, percutaneous dilatational tracheostomy, cryotherapy, electrocautery, photodynamic therapy and medical thoracoscopy. Lung cancer detection with fluorescence bronchoscopy and endobronchial ultrasound will also be addressed. Newer bronchoscopic therapies for emphysema and asthma and newer diagnostic methods for sampling nodules will also be discussed. Course format will include lectures, discussion sessions, video instruction and hands-on laboratory sessions. The goal of the course is to acquaint the attendee with the above procedures and the equipment required to perform the procedures.

By the conclusion of this activity attendees should be able to:

1. Identify the indications and contraindications and proper technique of applications of the above procedures.
2. Discuss the basic principles of laser application, photodynamic therapy, electrocautery and cryotherapy.
3. Describe the physiology of central airway obstruction and how it can be modified by various endoscopic therapies.
4. Define the role of TBNA, EBUS, and fluorescence bronchoscopy in the diagnosis and staging of lung cancer.
5. Describe the pleural anatomy and the indications and contraindications of medical thoracoscopy.
6. Explain the indications and technique of percutaneous dilatational tracheostomy.

*This activity has been designed to address the ACGME/ABMS “Medical Knowledge” and “Patient Care” competencies.*

### ACCREDITATION

Lahey Clinic is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

### CREDIT DESIGNATION

The Lahey Clinic designates this live activity for a maximum of 27 AMA PRA Category 1 credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Wednesday, March 28, 2012

8:00 a.m. Registration and Continental Breakfast  
9:00 a.m. Welcome and Introduction to  
Interventional Pulmonology/ Quiz  
Carla Lamb, M.D., Course Director/Moderator

### PLEURAL DISEASE

9:45 a.m. Approach to Malignant Pleural Effusion with Focus  
on Indwelling Tunnel Catheters  
Carla Lamb, M.D.  
10:15 a.m. Medical Pleuroscopy – Talc  
Andrew Villanueva, M.D.  
10:45 a.m. BREAK  
11:00 a.m. Management of Empyema  
David Feller-Kopman, M.D.

### LUNG CANCER STAGING AND SCREENING

11:30 a.m. Lung Cancer Staging: A Review  
Momen Wahidi, M.D., M.B.A.  
12:00 noon EBUS – Lung Cancer with Case Studies  
Kazuhiro Yasufuku, M.D.

### LUNCH

### BENIGN AIRWAY DISEASE

1:15 p.m. Percutaneous Tracheostomy  
Anthony Gray, M.D.  
1:45 p.m. Diagnosis and Management of Tracheomalacia  
Ali Musani, M.D.  
2:15 p.m. Endobronchial Therapy for Asthma  
Carla Lamb, M.D.  
2:45-4:45 p.m. Laboratory Sessions I and II will include rotation  
through the following:  
• TBNA  
• EBUS – Linear and Radial  
• Pathology  
• Simulation  
2:45-3:45 p.m. Lab Session I  
3:45-4:45 p.m. Lab Session II

## Thursday, March 29, 2012 – Didactic

7:00 a.m. Registration and Continental Breakfast  
**DIAGNOSTIC AND THERAPEUTIC BRONCHOSCOPY**  
Moderator: Anthony Gray, M.D.  
7:30 a.m. Rigid Bronchoscopy/Silicon Stents  
Ghazwan Acash, M.D.  
8:00 a.m. Metallic and Hybrid Stents  
R. Wesley Shepherd, M.D.  
8:30 a.m. Foreign Body Removal – Flexible/Rigid Approaches  
Momen Wahidi, M.D., M.B.A.  
9:00 a.m. BREAK  
9:15 a.m. Navigational Bronchoscopy & Radial EBUS  
Atul Mehta, M.B.B.S.  
9:45 a.m. “Cold” Therapies ( Cryotherapy and Balloons)  
Colleen Channick, M.D.  
10:15 a.m. “Hot” Therapies ( APC, Electrocautery and Laser)  
Sara Shahchehr, D.O.

10:45 a.m. BREAK  
11:00 a.m. Endobronchial Lung Volume Reduction  
David Ost, M.D., M.P.H.  
12:00 noon Interventional Pulmonology: Year In Review  
David Feller-Kopman, M.D.  
12:30 p.m. LUNCH  
1:30-5:00 p.m. Laboratory Sessions I – III will include  
rotation through the following:  
• Navigational Bronchoscopy  
• Rigid Bronchoscopy/Foreign Body Removal  
• Valves/Thermoplasty  
• Simulation  
1:30-2:30 p.m. Lab Session I  
2:45-3:45 p.m. Lab Session II  
4:00-5:00 p.m. Lab Session III

## Friday, March 30, 2012

7:00 a.m. Registration and Continental Breakfast  
Moderator: Carla Lamb, M.D.  
7:30 a.m. Medical Grand Rounds  
Atul Mehta, M.B.B.S.  
8:45 a.m. Billing and Coding  
David Ost, M.D., M.P.H.  
9:15 a.m. Round Table Discussion:  
Interesting Cases and Questions  
Carla Lamb, M.D., Moderator  
Colleen Channick, M.D., David Ost, M.D., M.P.H.,  
Sara Shadchehr, D.O., Fares Mouchantaf, M.D.,  
R. Wesley Shepherd, M.D., Ghazwan Acash, M.D.,  
and Momen Wahidi, M.D.  
10:15 a.m. GROUP PHOTO AND BREAK  
10:30 a.m.-  
5:00 p.m. Laboratory Sessions I – IV will include  
rotation through the following:  
• Cryotherapy/Argon Plasma Coagulator  
• Laser Bronchoscopy/Microdebrider  
• Electrocautery  
• Percutaneous Tracheostomy

10:45-11:45 p.m. Lab Session I  
11:45-12:45 p.m. LUNCH  
12:45-1:45 p.m. Lab Session II  
2:00-3:00 p.m. Lab Session III  
4:00-5:00 p.m. Lab Session IV


## Saturday, March 31, 2012

7:30 a.m. Registration and Continental Breakfast  
8:00 a.m.-  
1:00 p.m. Laboratory Sessions I and II will include  
rotation through the following:  
• Thoracoscopy Trainer/Thoracoscopy  
with Flexirigid Scope/Indwelling Pleural Catheter  
• Stents  
8:00-10:30 p.m. Lab Session I  
10:30-1:00 p.m. Lab Session II

## Registration INTERVENTIONAL PULMONOLOGY March 28 – 31, 2012

### REGISTRATION WILL BE ACCEPTED VIA FAX ONLY.

To register, complete form and fax to (781) 744-2930.  
Space is limited; register early to secure your attendance.  
*A confirmation will be sent after receipt of payment  
and registration form.*

  Please check if you have any special assistance needs or dietary restrictions and notify us at least two weeks prior to the course. Indicate your needs here:

### Registration Fee – check off registration fee

- \$2200 FULL SESSION** — Didactic and Labs  
(limited to 36 participants)  
Includes didactic and laboratory sessions, course syllabus,  
4 continental breakfasts, 3 luncheons, all break refreshments,  
and 1 reception/dinner. *Registrations for the full course will be  
accepted on a first come, first served basis with payment by credit card.*
- \$900 DIDACTIC SESSION ONLY**  
(Wednesday, Thursday and Friday)  
Includes didactic sessions on Wednesday, Thursday and  
Friday, course syllabus, 3 continental breakfasts, Wed. &  
Thurs. lunches, break refreshments, and 1 reception/dinner.  
*No Laboratory Sessions included.*

### Reception/Dinner for registrants and faculty Thursday, March 29, 2012

(Location: Bamboo Restaurant, Bedford, MA.  
Transportation will be provided.)  
 Will Attend  Will Not Attend

*Please type or print all information.*

Name: \_\_\_\_\_

Office Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email address: \_\_\_\_\_

**Cancellations must be received by March 15th. After this date, a  
refund will not be guaranteed unless a replacement is found.  
There will be a \$50 fee for all cancellations.**

*Fill out below for charge information:*

**Circle:** Mastercard VISA American Express Discover

\_\_\_\_\_  
*Name as it appears on credit card*

Account #: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ Amount to be charged: \_\_\_\_\_

Signature: \_\_\_\_\_