DIVISION OF PULMONARY & CRITICAL CARE MEDICINE PRESENTS

Interventional Pulmonology
“Thirty-Seven Years of Excellence in Training and Education”

Advanced Diagnostic and Therapeutic Bronchoscopy
Medical Thoracoscopy
Percutaneous Tracheostomy

FEATURING:
Lung Screening Implementation & Optimization
Augmented Reality Simulation
Robotic Bronchoscopy
JF Beamis Interventional Pulmonary Honor Lecture

Course Recognition by the American College of Surgery as a Center of Excellence in Simulation
**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 and updates in all aspects of the field of interventional pulmonology including: rigid bronchoscopy, laser bronchoscopy, endobronchial stent insertion, transbronchial needle aspiration, percutaneous dilatational tracheostomy, cryotherapy, electrocautery, photodynamic therapy, navigation bronchoscopy with spectrum of tools, robotic bronchoscopy and medical thoracoscopy. Lung cancer detection with endobronchial ultrasound will also be addressed. Newer bronchoscopic therapies for emphysema and asthma and newer diagnostic methods for sampling nodules will also be discussed. Management for hemoptysis. Course format will include lectures, discussion sessions, video instruction and comprehensive 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, argon plasma coagulation, electrocautery and cryotherapy.
3. Describe the therapeutic management of central airway obstruction in benign and malignant diseases of the airway and how it can be modified by various endoscopic therapies.
4. Define the role of TBNA, EBUS, and tumor markers 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.
7. Define management strategy for hemoptysis.
8. Understand the updated lung cancer screening guidelines and implementation of a screening center.
10. Identify molecular markers for lung cancer.
11. Identify the bronchoscopic and minimally invasive navigation bronchoscopy ad robotic surgical management of lung nodules.
### Lahey Hospital & Medical Center Faculty

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<thead>
<tr>
<th>Name</th>
<th>Position, Institution</th>
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<tbody>
<tr>
<td>Ghazwan Acash, M.D.</td>
<td>Interventional Pulmonology Staff Physician, Northwestern University</td>
</tr>
<tr>
<td>John M. Dugan, M.D.</td>
<td>Department of Pathology, Tufts Univ. School of Medicine</td>
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<tr>
<td>Fares Mouchantaf, M.D.</td>
<td>Interventional Pulmonary, Tufts Univ. School of Medicine</td>
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<td>Carla Lamb, M.D.</td>
<td>Director of Interventional Pulmonology and Bronchoscopy, Tufts Univ. School of Medicine</td>
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<tr>
<td>Waqas Aslam, M.D.</td>
<td>Interventional Pulmonary Fellowship, Tufts Univ. School of Medicine</td>
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### Laboratory Faculty

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<tr>
<td>David Boule</td>
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<td>Philip Codyer</td>
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<td>Craig Estes</td>
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<td>Jen Keating, R.N.</td>
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<tr>
<td>Mark Ready, Bronch Tech</td>
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<td>Kinjal Shah</td>
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<tr>
<td>Diane Viscione,R.N.</td>
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<tr>
<td>Darlene Bourgeois, M.SN., R.N.</td>
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<tr>
<td>Roberta Delrosso, R.N.</td>
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<td>Chanthorn Mahoney, Bronch Tech</td>
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<tr>
<td>Donna Reilly, R.N.</td>
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<tr>
<td>Carla Walecka S.C.T. (A.S.C.P.)</td>
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### Guest Faculty

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<tr>
<td>Christine Argento , M.D.</td>
<td>Interventional Pulmonary Fellowship Director, Northwestern University, Chicago, Illinois</td>
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<tr>
<td>Alex Chen, M.D.</td>
<td>Director, Interventional Pulmonology, Washington University, St. Louis, Missouri</td>
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<td>David Feller-Kopman, M.D.</td>
<td>Director, Bronchoscopy &amp; Interventional Pulmonology, Johns Hopkins Hospital, Baltimore, Maryland</td>
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<td>Anne Gonzalez, M.D.</td>
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<tr>
<td>Colleen Keyes, M.D.</td>
<td>Interventional Pulmonology, Massachusetts General Hospital, Boston, MA</td>
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<tr>
<td>Adnan Majid, M.D.</td>
<td>Director of Interventional Pulmonary, Beth Israel Deaconess Hospital, Boston, MA</td>
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<tr>
<td>Atul Mehta, M.B.B.S., B.S.</td>
<td>Physician, Respiratory Institute, Cleveland Clinic, Cleveland, Ohio</td>
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<td>David Ost, M.D., M.P.H.</td>
<td>Director, Interventional Pulmonology, M.D. Anderson Cancer Center, Houston, TX</td>
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<td>R. Wesley Shepherd, M.D.</td>
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<td>Semira Shojaee, M.D.</td>
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<td>Momen Wahidi, M.D., M.B.A.</td>
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WEDNESDAY, APRIL 1, 2020

8:30 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

9:05 a.m. Approach to Benign and Malignant Pleural Effusion with Focus on Indwelling Tunnel Catheters
Sara Shadchehr, D.O.

9:30 a.m. Medical Pleuroscopy: Evidence-Based Review
David Ost, M.D.

10:00 a.m. Management of Empyema
David Feller-Kopman, M.D.

10:30 a.m. BREAK

LUNG CANCER SCREENING & STAGING

10:45 a.m. Lung Cancer Screening and Diagnosis: Optimizing Your Program
Carla Lamb, M.D.

11:30 a.m. EBUS – Anatomy of the Mediastinum & Lung Cancer Staging 8th Edition with Case Studies
Kazuhiro Yasufuku, M.D.

12:30 p.m. LUNCH

BENIGN AIRWAY DISEASE

1:00 p.m. Percutaneous Tracheostomy & Tracheostomy Management
Anthony Gray, M.D.

1:30 p.m. Diagnosis and Management of Tracheobronchomalacia
Adnan Majid, M.D.

2:00 p.m. Strategic Management of Hemoptysis: A Review
Semira Shojae M.D.

2:30 – 5:45 p.m. Laboratory Sessions I and II will include rotation through the following:
• EBUS – Linear and Radial / TBNA
• Pathology
• Hemoptysis
• Simulators

2:30 – 3:30 p.m. Lab Session I
3:45 – 4:45 p.m. Lab Session II
4:45 – 5:45 p.m. EBUS Testing

THURSDAY, APRIL 2, 2020

7:00 a.m. Registration and Continental Breakfast

DIAGNOSTIC & THERAPEUTIC BRONCHOSCOPY
Moderator: Sara Shadchehr, D.O.

7:30 a.m. Rigid Bronchoscopy/Silicone 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 and Rigid Bronchoscopic Approaches
Atul Mehta, M.D., M.B.B.S.

9:00 a.m. BREAK

9:15 a.m. Navigational & Robotic Bronchoscopy and Radial Ebus
Alex Chen, M.D.

9:45 a.m. “Cold” Therapies (Cryotherapy and Balloons)
Christine Argento, M.D.

10:15 a.m. “Hot” Therapies (APC, Electrocautery and Laser)
Anne Gonzalez, M.D.

10:45 a.m. BREAK

11:00 a.m. Endobronchial Lung Volume Reduction & Bronchial Thermoplasty
Colleen Keyes, M.D.

11:30 a.m. Interventional Pulmonology: Year In Review
David Feller-Kopman, M.D.

12:30 p.m. LUNCH

1:30 – 5:30 p.m. Laboratory Sessions I – III will include rotation through the following:
• Navigational Bronchoscopy
• Rigid Bronchoscopy/Foreign Body Removal
• Valves/Thermoplasty/Simulators

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
5:00 – 5:30 p.m. EBUS Testing
FRIDAY, APRIL 3, 2020

7:00 a.m.  Registration and Continental Breakfast  
Moderator: Carla Lamb, M.D.

7:30 a.m.  Medical Grand Rounds  
*JF Beamis Interventional Pulmonary Honor Lecture*

* Lung Transplantation: Update in 2020  
Atul Mehta, M.D., M.B.B.S., B.S.

8:45 a.m.  The Business of Interventional Pulmonology  
Momen Wahidi, M.D., M.B.A.

9:15 a.m.  Innovations and Minimally Invasive Thoracic Surgery  
Elliot Servais, M.D.

10:15 a.m.  GROUP PHOTO AND BREAK

10:30 a.m. – 4:00 p.m.  Laboratory Sessions I – IV will include rotation through the following:

- Cryotherapy/Argon Plasma Coagulator
- Laser Bronchoscopy
- Electrocautery
- Percutaneous Tracheostomy

10:30 – 11:30 a.m.  Lab Session I
11:30 a.m. – 12:30 p.m.  Lab Session II
12:30 p.m.  LUNCH
12:30 – 1:30 p.m.  Lab Session III
1:45 – 2:45 p.m.  Lab Session III
3:00 – 4:00 p.m.  Lab Session IV

SATURDAY, APRIL 4, 2020

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
- Augmented Reality Simulation

8:00 – 10:30 a.m.  Lab Session I
10:30 a.m. – 1:00 p.m.  Lab Session II

LOCATION/ACCOMMODATIONS

All lectures and laboratory sessions will be held at Lahey Hospital & Medical Center, 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 Hospital & Medical Center. The hotel also provides a shuttle to and from Lahey Hospital & Medical Center. Rooms will be held in the block until March 3, 2020, 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 Hospital & Medical Center 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 Hospital & Medical Center, 41 Mall Road, Burlington, MA

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 Hospital & Medical Center’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 Hospital & Medical Center is one half mile on the left.
Registration
Interventional Pulmonology
April 1 – 4, 2020

To register: https/cmetracker.net/LAHEY/Catalog

Space is limited; register early to secure your attendance.
A confirmation will be sent after receipt of payment and registration.

Registration Fee — check off registration fee

☐ $2450 — 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.

☐ $1460 — 2 Day Didactic and Lab Sessions (April 1 & 2, 2020)
Includes: 2 day didactic and laboratory sessions, course syllabus, 2 continental breakfasts, 2 luncheons, and break refreshments.

☐ $850 — Didactic Session and Hands on Wednesday only (April 1, 2020)
Includes: course syllabus, didactic sessions, hands on Wednesday, 1 continental breakfast, lunch, and break refreshments. Opportunity to earn Certificate of Accomplishment in EBUS TBNA in addition to CME credits.

☐ $685 — 2 Day Didactic Session ONLY (No laboratory sessions included)
Includes: course syllabus, didactic sessions, 2 continental breakfasts, 2 lunches, break refreshments, and 1 reception/dinner.

Please type or print all information.

Name ____________________________________________

Home Address ____________________________________________

City __________________________ State ______ Zip Code __________

Telephone __________________________ Fax __________________________

Email Address (required) ____________________________________________

Cancellations must be received by March 1, 2020. After this date, a refund will not be guaranteed unless a replacement is found. There will be a $350 fee for all cancellations prior to March 1, 2020.

Fill out below for charge information:

☐ Mastercard ☐ VISA ☐ American Express ☐ Discover

Name as it appears on credit card ____________________________________________

Account # __________________________ Expiration Date __________________________

Amount to be charged __________________________ Signature __________________________

☐ 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: ____________________________________________