

# Introduction to Bronchoscopy and Pulmonary Procedures Course June 29, 2018

## Course Agenda

07:00 am – 07:30 am	<b>Registration/Breakfast</b>
07:30 am – 07:40 am	Introduction Mihir Parikh MD
07:40 am – 08:00 am	Bronchoscopy Past, Present and Future Erik Folch MD
08:00 am – 08:30 am	Airway, Mediastinal and Pleural Anatomy Alex Chee MD
08:30 am – 09:00 am	Bronchoscopy: Type, Indications and Contraindications Adnan Majid MD
09:00 am – 09:30 am	Bronchial washings, bronchoalveolar lavage and bronchial brushing Carla Lamb MD
09:30 am – 10:15 am	<b>Break</b>
10:15 am – 10:30 am	Transbronchial needle aspiration, transbronchial and endobronchial biopsy Marianne Barry MD
10:30am – 11:00 am	US basics and US-guided thoracentesis Paulo Oliveira MD
11:00 am – 11:30 pm	Pleural catheters Colleen Keyes MD
11:30 pm – 01:00 pm	<b>Lunch</b>
01:00 pm – 05:00 pm	Hands-on Stations (7)

### **Location:**

Carl J Shapiro Simulation and Skills Center  
Beth Israel Deaconess Medical Center  
Boston, Massachusetts



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## **Hands-On Stations**

### Station 1: Airway anatomy

Goals: Understand normal airway anatomy using simulation bronchoscopy

Faculty: Alex Chee MD, Elizabeth Gay MD, Carla Lamb MD

### Station 2: Percutaneous Chest Tubes

Goals: Recognize anatomical landmarks; review technique for percutaneous chest tube placement; understand management of three chamber pleural drainage system

Faculty: Suliman Alamro MD, Adnan Majid MD, Maher Tabba MD

### Station 3: US guided Thoracentesis

Goals: Recognize normal US anatomy (lung, diaphragm, liver, and spleen); review technique for US guided thoracentesis; review technique for measurement of pleural manometry

Faculty: Paulo Oliveira MD, Alichia Paton ACNP-BP, Frank Schembri MD

### Station 4: Vascular US and Central Venous Catheters

Goals: Recognize relevant US anatomy; review technique for US guided placement of central venous catheters; understand relative risks and benefits for subclavian, internal jugular, and femoral venous access

Faculty: Molly Hayes MD, Van Holden MD, Timothy Leclair MD

### Station 5: Difficult Airway Station

Goals: Understand airway assessment; review basic pharmacology for general anesthesia and conscious sedation; review technique for direct laryngoscopy, awake fiberoptic endotracheal intubation, and cricothyrotomy; review difficult airway algorithm and rescue maneuvers

Faculty: Colleen Keyes MD, Haoba Ma MD, Catherine Oberg MD

### Station 6: Transbronchial Needle Aspiration and Management of Hemoptysis

Goals: Recognize anatomical landmarks of major mediastinal and hilar lymph node stations; review technique for transbronchial needle aspiration; understand initial approach to management of massive hemoptysis

Faculty: Marianne Barry MD, Colleen Channick MD, Christian Ghattas MD

### Station 7: Foreign Body Removal

Goals: Recognize patients at risk for foreign body aspiration; identify available tools frequently used for endoscopic removal of aspirated foreign body

Faculty: Jason Beattie MD, Erik Folch MD, Anil Trindade MD



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## **Course Faculty**

Course Director :

Mihir Parikh MD  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center  
Instructor in Medicine  
Harvard Medical School

Course Co-Directors :

Adnan Majid MD  
Director and Chief, Interventional Pulmonology  
Beth Israel Deaconess Medical Center  
Associate Professor of Medicine  
Harvard Medical School

Alex Chee MD  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center  
Assistant Professor of Medicine  
Harvard Medical School

Course Coordinator :

Tina Phillips  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center



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## Course Faculty :

Suliman Alamro MD  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center

Marianne Barry MD  
Interventional Pulmonology  
Tufts Medical Center  
Assistant Professor of Medicine  
Tufts University School of Medicine  
Jason Beattie MD  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center

Colleen Channick MD  
Interventional Pulmonology  
Massachusetts General Hospital  
Assistant Professor of Medicine  
Harvard Medical School

Erik Folch MD  
Co-Director, Interventional Pulmonology  
Chief, Complex Chest Disease Center  
Massachusetts General Hospital  
Assistant Professor of Medicine  
Harvard Medical School

Elizabeth Gay MD  
Associate Director, Pulmonary and Critical Care  
Medicine Fellowship  
Brigham and Women's Hospital  
Assistant Professor of Medicine  
Harvard Medical School

Christian Ghattas MD  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center

Molly Hayes MD  
Pulmonary and Critical Care Medicine  
Beth Israel Deaconess Medical Center  
Instructor in Medicine  
Harvard Medical School

Van Holden MD  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center

Colleen Keyes MD  
Co-Director, Interventional Pulmonology  
Massachusetts General Hospital  
Instructor in Medicine  
Harvard Medical School

Carla Lamb MD  
Director, Interventional Pulmonology  
Lahey Hospital and Medical Center  
Assistant Professor of Medicine  
Tufts University School of Medicine

Timothy Leclair MD  
Interventional Pulmology  
Beth Israel Deaconess Medical Center

Haobo Ma MD  
Anesthesiologist  
Beth Israel Deaconess Medical Center  
Instructor in Anesthesiology  
Harvard Medical School

Catherine Oberg MD  
Interventional Pulmonology  
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Paulo Oliveira MD  
Director, Interventional Pulmonary Procedures  
Medical Director, Respiratory Care  
UMass Memorial Medical Center  
Associate Professor  
University of Massachusetts Medical School

Alicia Paton ACNP-BC  
Interventional Pulmonology  
Beth Israel Deaconess Medical Center

Frank Schembri MD  
Director, Pulmonary Interventional Services  
Boston Medical Center  
Assistant Professor of Medicine  
Boston University School of Medicine

Maher Tappa MD  
Director, Pulmonary and Critical Care  
Fellowship  
Tufts Medical Center  
Assistant Professor of Medicine  
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Anil Trindade MD  
Pulmonary and Critical Care Medicine  
Brigham and Women's Hospital  
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