

Introduction to Bronchoscopy and Pulmonary Procedures Course June 2021

TeleConference Sunday, June 27, 2021

08:00 am – 08:10 am	Introduction Mihir Parikh MD Beth Israel Deaconess Medical Center Harvard Medical School
08:10 am – 08:30 am	Bronchoscopy Past, Present and Future Erik Folch MD Massachusetts General Hospital Harvard Medical School
08:30 am – 09:00 am	Airway, Mediastinal and Pleural Anatomy Majid Shafiq MD Brigham and Women’s Hospital Harvard Medical School
09:00 am – 09:30 am	Bronchoscopy: Type, Indications and Contraindications Adnan Majid MD Beth Israel Deaconess Medical Center Harvard Medical School
09:30 am – 10:00 am	Bronchial washings, bronchoalveolar lavage and bronchial brushing Carla Lamb MD Lahey Hospital and Medical Center Tufts University School of Medicine
10:00 am – 10:30 am	Break
10:30 am – 11:00 am	Transbronchial needle aspiration, transbronchial and endobronchial biopsy Marianne Barry MD Tufts Medical Center Tufts University School of Medicine
11:00am – 11:30 am	Ultrasound basics and Ultrasound-guided thoracentesis Paulo Oliveira MD University of Massachusetts Medical Center University of Massachusetts School of Medicine
11:30 am – 12:00 pm	Pleural catheters Colleen Keyes MD Massachusetts General Hospital Harvard Medical School
12:00 pm – 12:30 pm	Pulmonary Consults 101: Hemoptysis, foreign body aspiration, and pneumothorax Fayez Kheir MD Beth Israel Deaconess Medical Center Harvard Medical School



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Introduction to Bronchoscopy and Pulmonary Procedures Course June 2021

**Hands-on Experience with Deliberate Practice and Expert Guidance
Wednesday, June 30, 2021**

Carl J Shapiro Simulation and Skills Center
Shapiro Clinical Building, Rm G20
330 Brookline Avenue
Beth Israel Deaconess Medical Center
Boston, Massachusetts 02215

Trainees will be scheduled for a 3-hour hands-on session. Small groups will consist of four trainees with two faculty members to adhere to appropriate social distancing guidelines.

Station 1	Airway anatomy and Foreign Body Removal
Goals	Understand normal airway anatomy using simulation bronchoscopy
	Recognize anatomical landmarks of major mediastinal and hilar lymph node stations
	Recognize patients at risk for foreign body aspiration
	Identify available tools frequently used for endoscopic removal of aspirated foreign body

Station 2	Percutaneous Chest Tubes and Ultrasound-guided Thoracentesis
Goals	Recognize superficial and ultrasound landmarks for thoracic anatomy
	Review technique for percutaneous chest tube placement
	Understand management of three chamber pleural drainage system
	Review technique for US guided thoracentesis
	Review technique for measurement of pleural manometry

Station 3	Vascular Ultrasound and Central Venous Catheters
Goals	Recognize relevant US anatomy
	Demonstrate successful US guided placement of central venous and hemodialysis catheters
	List and compare risks and benefits for subclavian, internal jugular, and femoral venous access
	Review best practices for supervision and instruction of trainees for CVC insertion

Station 4	TBNA, Management of Hemoptysis, and Difficult Airway Management
Goals	Review technique for transbronchial needle aspiration
	Understand initial approach to management of massive hemoptysis
	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



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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

Fayez Kheir MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center
Assistant Professor of Medicine
Harvard Medical School



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Course Faculty :

Marianne Barry MD
Interventional Pulmonology
Tufts Medical Center
Assistant Professor of Medicine
Tufts University School of Medicine

Sam Belok MD
Pulmonary and Critical Care Medicine
Boston Medical Center
Assistant Professor of Medicine
Boston University School of Medicine

Ehab Billatos MD
Pulmonary and Critical Care Medicine
Boston Medical Center
Assistant Professor of Medicine
Boston University School of Medicine

Abduljabbar Dheyab MD
Pulmonary and Critical Care Medicine
UMass Memorial Medical Center
Assistant Professor
University of Massachusetts Medical School

Emily Ducomb MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

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

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

Hyun Kim MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

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

Anil Magge MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

Abhinav Mittal MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

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

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



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Course faculty (continued)

Ana Rudkovskaia MD
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

Majid Shafiq MD
Medical Director, Interventional Pulmonology
Brigham and Women's Hospital
Assistant Professor of Medicine
Harvard Medical School

Faisal Shaikh MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

Morgan Soffler MD
Pulmonary and Critical Care Medicine
Beth Israel Deaconess Medical Center
Instructor in Medicine
Harvard Medical School

Sandeep Somalaraju MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

Molly Trachtenberg ACNP-BC
Interventional Pulmonology
Beth Israel Deaconess Medical Center

David Abia Trujillo MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center

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