

Introduction to Bronchoscopy and Pulmonary Procedures Course June 2024

TeleConference Thursday, June 27, 2024

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 Kai Swenson MD Beth Israel Deaconess Medical Center 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 Jason Beattie MD Beth Israel Deaconess Medical Center Harvard Medical School
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 Massachusetts General Hospital Harvard Medical School

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**Hands-on Experience with Deliberate Practice and Expert Guidance
Friday, June 28, 2024**

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 superficial and ultrasound landmarks for vascular 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
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Instructor in Medicine
Harvard Medical School

Course Co-Directors :

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Course Faculty :

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