#### TeleConference Thursday, June 27, 2024

08:00 am – 08:10 am	Introduction
00.00 am 00.10 am	Mihir Parikh MD
	Beth Israel Deaconess Medical Center
	Harvard Medical School
08:10 am – 08:30 am	Bronchoscopy Past, Present and Future
00.10 am - 00.30 am	Erik Folch MD
	Massachusetts General Hospital
	Harvard Medical School
08:30 am – 09:00 am	Airway, Mediastinal and Pleural Anatomy
00.00 4111 09.00 4111	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
12.00	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



# 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 transbronhcial 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





#### Course Director:

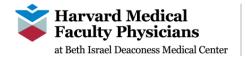
Mihir Parikh MD Interventional Pulmonology Beth Israel Deaconess Medical Center Instructor in Medicine Harvard Medical School

#### Course Co-Directors:

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

Jason Beattie MD
Interventional Pulmonology
Beth Israel Deaconess Medical Center
Instructor in Medicine
Harvard Medical School

Kai Swenson MD Interventional Pulmonology Beth Israel Deaconess Medical Center Instructor in Medicine Harvard Medical School





#### Course Faculty:

Anas Ahmed MBBS
Pulmonary and Critical Care Medicine
Tufts Medical Center
Assistant Professor of Medicine
Tufts University School of Medicine

Khaled Alshabani 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
Instructor in Medicine
Harvard Medical School

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 Ernesto Casillas, MD Interventional Pulmonology Beth Israel Deaconess Medical Center

Michael Ferrera, MD Pulmonary and Critical Care Medicine Beth Israel Deaconess Medical Center Instructor in 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

Amrita Karambelkar, MD Interventional Pulmonology Beth Israel Deaconess Medical Center

Paul Kannarkatt, MD Interventional Pulmonology Tufts Medical Center Assistant Professor of Medicine Tufts University School of Medicine

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





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

Fayez Kheir MD Interventional Pulmonology Massachusetts General Hospital Assistant Professor of Medicine Harvard Medical School

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

Christopher Morton, MD Interventional Pulmonology Yale New Haven Hospital Instructor in Medicine Yale School of Medicine

Julia Munchel, MD Pulmonary and Critical Care Medicine Beth Israel Deaconess Medical Center Instructor in Medicine Harvard Medical School

Michael Murn MD Interventional Pulmonology Beth Israel Deaconess Medical Center

Fahim Pyarali, MD Interventional Pulmonology Beth Israel Deaconess Medical Center

Brian Rosenberg, MD Interventional Pulmonology Beth Israel Deaconess Medical Center Frank Schembri MD Pulmonary and Critical Care Medicine South Shore Health 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

Sandeep Somalaraju MD Interventional Pulmonology Lahey Hospital and Medical Center

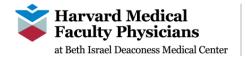
Rebecca Sternschein MD Brigham and Women's Hospital Instructor in Medicine Harvard Medical School

Asma Tariq, MD Pulmonary and Critical Care Medicine Tufts Medical Center Assistant Professor of Medicine Tufts University School of Medicine

Sanket Thakore MD Interventional Pulmonology Yale New Haven Hospital Instructor in Medicine Yale School of Medicine

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

Ekaterina Yavarovich DO Interventional Pulmonology Lahey Hospital and Medical Center





#### This course has been endorsed by:





#### Course Sponsors:

Astra Zeneca
CAE Healthcare
Cook Medical
Erbe
Intuitive Surgical
Merit Medical
Olympus America
Phillips North America
Rocket Medical
Veracyte

