

AABIP - Advanced Bronchoscopy and Interventional Pulmonology Board Review
Virtual Course 2026

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Saturday, November 14th, 2026

Times shown in EST

9:00 Opening Remarks

9:05 Block 1 (60 minutes)

Lung Cancer Screening (15 Min)

- **Alberto Goizueta, MD (University of South Florida)**
- Recommendations from national and international societies in regards to population to be screened, frequency of scanning and program support requirements
- Discuss the different “Radiologic categories” about CT readings, and recommendations
- List challenges for implementing screening in practice

Approach to Lung Cancer Diagnosis, Staging and initial Treatment (15 Min)

- **Bruce Sabath, MD (MD Anderson Cancer Center)**
- Bronchoscopic staging vs pathologic staging
- Advantages of Multidisciplinary approach
- Discuss the approach to patients with suspected lung cancer, imaging staging (like PET scan), type of biopsy
- Discussion of different guidelines for approach to lung cancer

Mediastinal and Hilar Anatomy (15 Min)

- **Ekaterina Yavarovich, MD (UT Health)**
- Definitions of the relevant LN station
- When and How to do EBUS Mediastinal staging
- Exemplify a few T lesions: T1a, T4, T3, etc. and their relevance to treatment decisions

- Contrast the LN stations and other sites that can be biopsied by EBUS vs. EUS-FNA and surgical methods

EBUS-TBNA: Technical Aspects and Clinical Applications (20 minutes)

- **Niral Patel, MD (UC San Diego)**
- Illustrate the staging strategies (a few examples)
- Diagnostic yield for other diseases (lymphoma and sarcoidosis) and how it compares with surgical biopsy
- List the evidence based technical parameters for obtaining adequate EBUS-TBNA specimens
- ROSE vs no-ROSE

10:05 Interactive Questions & Answers Panel Discussion (30 minutes)

(Goizueta, Sabath, Yavarovich, Patel)

10:35 BREAK 10min

10:45 Block 2 (70 min)

Approach to Patient with Peripheral Lung Nodules (20 Min)

- **Abdul Alraiyes, MD (Advocate Health Care)**
- Illustrate the Fleischner society and NCCN guidelines for solid, sub solid and GGO nodules
- Diagnostic yields of transbronchial biopsy, brushings and peripheral TBNA for SPN
- Correlation between radiographic patterns (calcification, PET avidity) and probable diagnosis
- Diagnostic yields of navigation bronchoscopy, radial EBUS for diagnosing SPNs
- Contraindication of ENB/Robotic bronchoscopy and its diagnostic yield depending upon size, location and other patient-related factors
- Robotic platforms

Anesthesia and Airway Management for Advanced Bronchoscopy (15 Min)

- **Sameer Avasarala, MD (Case Western Reserve University School of Medicine)**

- Different techniques of anesthesia/sedation: moderate vs general
- Emphasize on anesthesia/sedation for EBUS TBNA bronchoscopy
- Differences on sedation providers: anesthesiology vs bronchoscopist
- Discuss factors under consideration for appropriate airway management during bronchoscopy
- Types of airway devices and their appropriate indications during bronchoscopy
- Brief overview of best practice anesthesia for robotic bronchoscopy/EBV placement

Pathology and Molecular Markers of Lung Cancer (15 Min)

- **Abbie Begnaud, MD (University of Minnesota)**
- Discuss basic immunohistochemistry for defining NSCLC subtypes
- List the genetic abnormalities and the FDA approved agents in NSCLC
- Discuss specimen requirements for genetic testing and PD L1 testing
- Discuss side effects for immunotherapy

Surgical interventions and CT guided TTNA (15 Min)

- **Pranjal Patel, MD (Stanford University)**
- Indications for CT guided biopsy
- Diagnostic yield and complications associated with TTNA and their management
- Surgical management of lung cancer

11:55 Interactive Questions & Answers Panel Discussion (30 minutes)

(Alraiyes, Avasarala, Begnaud, Patel)

12:25 BREAK 10 min

12:35 Block 3 (75 min)

Pleural Space Infections: Chest Tube Selection and Management (15 Min)

- **Sujith Cherian, MD (UT Health)**
- Summarize the relevant chest wall anatomy and technique for chest tube insertion
- Discuss indications for VATS in parapneumonic effusions

- Pros and Cons of small and large bore chest tubes for Complicated Parapneumonic Effusion/Empyema

Pleurodesis and Tunneled Indwelling Pleural Catheter (15 Min)

- **Anastasiia Rudkovska, MD (Houston Methodist)**
- Outcomes (pain, dyspnea, QOL) of TPCs, thoracoscopic talc insufflation and chest tube pleurodesis in MPE (summarize clinical trials)
- Indications/Contraindications of TPCs on benign disorders
- List the indications and contraindications for pleurodesis as well as predictors of success (chemistry, performance status)

Pleural diseases: Pleural US, Pleural biopsy, Thoracentesis and Medical Thoracoscopy (20 Min)

- **Audra Schwalk, MD (UT Southwestern)**
- Diagnostic yield of thoracentesis and thoracoscopy for Malignant Pleural Effusion
- Indications and main findings of pleural manometry
- List the main pleural fluid and imaging findings in chylothorax, trapped lung
- Summarize the CT findings and potential thoracoscopy –related complications in mesothelioma

Management of Pneumothorax and Bronchopleural Fistula (20 Min)

- **Ali Sadoughi, MD (Montefiore Medical Center-Einstein Campus)**
- Indications for drainage in PSP, SSP
- Pros and Cons of small and large bore chest tubes for pneumothorax
- Define central and peripheral (parenchymal) BPF and summarize treatment strategies

13:50 Interactive Questions & Answers Panel Discussion (30 minutes)

(Cherian, Rudkovska, Schwalk, Sadoughi)

14:20 BREAK 10 min

14:30 Block 4 (50 min)

Bronchoscopic Lung Volume Reduction for Emphysema (15 Min)

- **Rolando Peralta, MD (Henry Ford Hospital)**
- Summarize the NETT study findings
- Discuss the concept of collateral ventilation and its impact on BLVR
- List evidence-based indications and contraindications to BLVRS

Transbronchial Cryobiopsy (10 Min)

- **Stephanie Baltaji, MD (Allegheny Health Network)**
- Techniques, indications, outcomes and complications of cryobiopsy
- Summarize mechanism of action and clinical studies of BT, as well as discussion of use of BT and future

Bronchoscopy in High-Risk Patients: Management of Complications of Bronchoscopy (20 Min)

- **Majid Shafiq MD (Mass General Brigham)**
- Discuss various post operative complications after bronchoscopy
- Management of complications of bronchoscopy
- Strategies to prevent complications
- Discuss bronchoscopy during pregnancy
- Bronchoscopy in Pulmonary Arterial Hypertension patients
- Special consideration pre-bronchoscopy in high risk population
- Strategies to prevent complications in patient with comorbidities

Coding and Billing for Bronchoscopy (10 Min)

- **Daniel Djondo, MD (Loyola University)**
- Discuss procedural billing for major bronchoscopic procedures.
- Discuss common mistakes and misconceptions regarding appropriate billing for bronchoscopic procedures

15:20 Interactive Questions & Answers Panel Discussion (30 minutes)

(Peralta, Baltaji, Shafiq, Djondo)

15:50 BREAK (CAQ is done) (10 minutes)

16:00 Block 5 (60 min)

Mechanisms of Tissue Destruction (20 Min)

- **Shaikh M Noor Husnain, MD (Westchester Medical Center)**
- Discuss the basic physics of Cryo, APC, CO2 laser, KTP, Nd YAG, diode, argon, brachytherapy and PDT (mechanism of tissue injury, depth of effect)
- Summarize the outcomes and complications for commonly performed ablation techniques: cryo, APC and NdYAG, PDT

Rigid Bronchoscopy (15 Min)

- **David Berkowitz, MD (Emory)**
- Indications and contraindications of therapeutic bronchoscopy (including improvement in QOL, dyspnea scale, survival, and lack of functional distal lung, respectively)
- Predictors of success and mortality in therapeutic bronchoscopy based on the ACQUIRE registry and most recent studies
- Anesthesia for rigid bronchoscopy

Malignant Airway Obstructions and Stents (15 Min)

- **Mihir Parikh, MD (Beth Israel Deaconess Medical Center)**
- List stent-related complications and association with type of stent: silicone vs SEMS for each complication
- Benefit of stents as a bridge to treatment in malignant obstruction (eg. chemo or radiotherapy) and benign disease (eg. tracheoplasty for TBM)
- Summarize indications, technique and complications of T tubes
- Discuss indications for stenting malignant TEF (esophageal, airway, both)

17:00 Interactive Questions & Answers Panel Discussion (20 minutes)

(Berkowitz, Hegde, Parikh)

17:20 BREAK (5 min)

17:20 Block 6 (50 min)

Non-malignant CAO: Strictures and TBM (15 Min)

- **Tarek Dammad, MD (Houston Methodist)**
- Work up for benign airway strictures
- Indications for bronchoscopic dilations
- Discuss the bronchoscopic and surgical management of typical endobronchial carcinoid
- Summarize diagnostic criteria and management strategies for Relapsing Polychondritis, Idiopathic Tracheal Stenosis, Post-intubation Tracheal Stenosis, Granulomatosis with a Polyangiitis

Airway complications following lung transplant (15 Min)

- **Faisal Shaikh, MD (Columbia University)**
- Enumerate the evidence based risk factors for anastomotic complications
- Summarize the bronchoscopic strategies for managing dehiscence and strictures
- Summarize the evidence for indications and frequency of Transbronchial Lung Biopsy post lung transplant

Percutaneous tracheostomy and transtracheal oxygen therapy (20 min)

- **Danai Khemasuwan, MD (Virginia Commonwealth University)**
- Indications and potential problems of trans tracheal oxygen therapy systems
- Outcomes (mortality, ICU LOS, hospital LOS and VAP) of the studies evaluating early vs late trachea and surgical vs percutaneous dilatation tracheostomy
- Discuss anatomical landmarks as pertinent to avoiding complications (bleeding, subglottic stenosis)

18:10 Interactive Questions & Answers Panel Discussion (20 minutes)

(Dammad, Shaikh, Khemasuwan)

18:30 Closing comments