AABIP Blueprint

Disease Specific Knowledge

Physiology and Anesthesia:

- Physiology (e.g., central airway obstruction {malignant and non-malignant}, asthma/COPD, pleural disease, etc.
- Jet ventilation
- Anesthesia, moderate & deep sedation, analgesia, local anesthesia

Malignant airway obstruction

Non-malignant airway obstruction:

Comprehensive evaluation and management of patients with thoracic malignancies, lung cancer (including early detection / screening and staging) and other intrathoracic malignancies (e.g., esophageal, thyroid, mesothelioma, intrathoracic manifestations of malignancy):

- Lung Cancer Screening
- Smoking cessation
- Lung Cancer Staging
- Molecular (genetic) markers
- Immune markers
- Sample handling, including rapid onsite evaluation (ROSE)
- Medical treatment of lung cancer including chemotherapy, radiation, immunotherapy, tyrosine kinase inhibitors
- Other intrathoracic malignancies including mesothelioma

Pleural diseases:

- Parapneumonic effusions and empyema
- Alveolar / broncho-pleural and airway-esophageal fistulas
- Pneumothorax

- Recurrent Non-malignant effusions
- Malignant effusions

Surgical interventions:

- Laryngeal and tracheal resection
- Tracheoplasty and tracheal reconstruction
- Surgical tracheostomy
- Suspension laryngoscopy
- Lung resection, including robotic, VATS and thoracotomy
- Mediastinoscopy
- Robotic thoracic surgery

Ethics and palliative care

Endoscopic therapeutic approaches in COPD

Diagnostic approaches to the peripheral nodule

Complications of lung transplantation

Benign lung disease workup including:

- Interstitial lung disease
- Sarcoidosis

Biostatistics

Procedural Knowledge

Pleural procedures:

- Tube thoracostomy
- Tunneled pleural catheters
- Medical thoracoscopy
- Pleurodesis
- Pleural biopsy

- Ultrasonography
- Thoracentesis

Convex and radial EBUS

Navigational bronchoscopy, robotic bronchoscopy, and cone-beam CT guided bronchoscopy

Rigid bronchoscopy / foreign body retrieval

Ablation procedures:

- Electrocautery
- Argon plasma coagulation (APC)
- Laser
- Photodynamic therapy (PDT)
- Brachytherapy
- Cryotherapy

Balloon tracheoplasty

Tracheobronchial stents

Bronchoscopic Lung Volume Reduction (BLVR)

Percutaneous tracheostomy