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AMERICAN OSTEOPATHIC ASSOCIATION

**Specific Basic Standards for  
Osteopathic Fellowship Training in  
Pulmonary Diseases**

**American Osteopathic Association  
and  
American College of Osteopathic Internists**

BOT Rev. 2/2011

These specific basic standards are part of the *Common Basic Standards for Fellowship Training in Internal Medicine Subspecialties*, which govern and define training in all medical subspecialties. These requirements are in addition to all requirements in the Common Basic Standards.

#### **IV INSTITUTIONAL REQUIREMENTS**

- 4.1 The base institution or an affiliate must have a pulmonary laboratory that provides spirometry, lung volume determination and diffusion studies.
- 4.2 The base institution or an affiliate must have an accredited respiratory therapy department under the technical direction of certified respiratory therapists that provides 24 hour arterial blood gas service and ventilator care.
- 4.3 The base institution or an affiliate must have a 24 hour fiberoptic bronchoscopy service.
- 4.4 The base institution or an affiliate must have a nuclear medicine department.
- 4.5 The base institution or an affiliate must have a thoracic surgery service.

#### **V PROGRAM REQUIREMENTS AND CONTENT**

##### **A. Program Duration**

- 5.1 The fellowship training program is a full-time training program of a minimum of 24 months in duration.

##### **B. Medical Knowledge**

- 5.2 The fellow must have learning activities in obstructive lung disease including asthma, bronchitis, emphysema, bronchiectasis, transplant/reduction surgery, and cystic fibrosis.
- 5.3 The fellow must have learning activities in pulmonary malignancy, both primary and metastatic.
- 5.4 The fellow must have learning activities in pulmonary infections including tuberculosis, fungal, and those in the immunocompromised host.
- 5.5 The fellow must have learning activities in diffuse interstitial lung disease.
- 5.6 The fellow must have learning activities in pulmonary vascular disease including primary and secondary pulmonary hypertension, vasculitis and pulmonary hemorrhage syndromes.
- 5.7 The fellow must have learning activities in occupational and environmental lung diseases.
- 5.8 The fellow must have learning activities in iatrogenic respiratory diseases including drug-induced lung disease.
- 5.9 The fellow must have learning activities in acute lung injury including injuries from radiation, toxic inhalation, and trauma.
- 5.10 The fellow must have learning activities in pulmonary manifestations of systemic diseases including collagen vascular diseases.
- 5.11 The fellow must have learning activities in respiratory failure including acute respiratory distress syndromes, acute and chronic respiratory failure in chronic obstructive pulmonary disease, and in neuromuscular respiratory drive disorders.
- 5.12 The fellow must have learning activities in disorders of the pleura and the mediastinum.
- 5.13 The fellow must have learning activities in genetic and developmental disorders of the respiratory system.

5.14 The fellow must have learning activities in sleep disorders.

### **C. Patient Care**

5.15 The fellow must have training and experience in pulmonary function tests to assess respiratory mechanics, gas exchange and respiratory drive including spirometry, flow volume studies, lung volumes, diffusing capacity, distribution of ventilation, airways resistance, lung compliance, arterial blood gas analysis, and exercise studies to include, at minimum: indications, contraindications, complications, limitations, interpretation and evidence of competent performance.

5.16 The fellow must have training and experience in thoracentesis, flexible fiberoptic bronchoscopy and related procedures, endotracheal intubation, percutaneous arterial puncture and cannulation, central venous catheterization, and pulmonary artery balloon catheterization to include, at minimum: indications, contraindications, complications, limitations, interpretation and evidence of competent performance

5.17 The fellow must have training and experience in the following to include, at minimum: indications, contraindications, complications, limitations, interpretation and evidence of competent performance:

- a. Calibration and operation of hemodynamic recording systems.
- b. Ventilatory support, including pressure-cycled, volume-cycled, time-cycled and flow-cycled mechanical ventilation.
- c. Weaning and respiratory care techniques.
- d. Management of pneumothorax (needle insertion and drainage system)
- e. Examination and interpretation of sputum, bronchopulmonary secretions, pleural fluid and lung tissue for infectious agents, cytology, and histopathology.

5.18 The fellow must have training and experience in the following to include, at minimum: indications; contraindications; complications; limitations and interpretation:

- a. Imaging procedures including chest roentgenograms, pet interd, computed axial tomograms, radionuclide scans, and pulmonary angiograms
- b. Sleep studies
- c. Inhalation challenge studies
- d. Allergy skin testing
- e. Cardiopulmonary stress testing.

### **D. Ambulatory Clinic**

5.19 The fellow must attend a continuity clinic for a minimum of four hours per week, 46 weeks per year.

5.20 The fellow must maintain a log of all outpatient cases.