

**Rotation:  
Pulmonary Medicine Subspecialty Selective**

**Goals:**

- 1) Provide medical residents with the knowledge necessary to evaluate and manage common pulmonary problems encountered in clinical practice.
- 2) To develop skills for critical thinking with respect to clinical databases, radiologic and physiologic studies and reports from the medical literature.

**Objectives:**

By the end of the Pulmonary Medicine Subspecialty Selective, PGY-1 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
	Evaluate, diagnose and treat patients suffering from the following pulmonary complaints and diseases: <ul style="list-style-type: none"> <li>• Dyspnea</li> <li>• COPD</li> <li>• Asthma</li> <li>• Pulmonary Fibrosis</li> <li>• Sleep Apnea Syndromes</li> <li>• DVT/PTE</li> <li>• Occupational</li> <li>• Sarcoidosis</li> <li>• Lung cancer</li> <li>• Plural Effusion</li> <li>• Community Acquired Pneumonia</li> <li>• Histoplasmosis</li> <li>• Tuberculosis</li> </ul>	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Interpret PFTs performed on their patients from the ambulatory clinic and from inpatient consultations	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Interpret at least 50 chest x-rays under fellow and faculty	Clinical Teaching	ABIM global evaluation	

	supervision.	Conferences Lectures Journal Club M & M Conference	Written Exam Procedure Log MCQ Exam	
	Perform at least five thoracentesis possibly including needle biopsy of the pleura under fellow and/or faculty supervision	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Assist faculty and fellows in bronchoscopy with video and fluoroscopic facilitation of teaching.	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Demonstrate competence in ordering and administering non-invasive ventilation	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Obtain complete medical history and perform a comprehensive physical exams for patients with pulmonary complaints	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	

Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			

By the end of the Pulmonary Medicine Subspecialty Selective, PGY-2 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b> Evaluate, diagnose and treat patients suffering from the following pulmonary complaints and diseases: <ul style="list-style-type: none"> <li>• Dyspnea</li> <li>• COPD</li> <li>• Asthma</li> <li>• Pulmonary Fibrosis</li> <li>• Sleep Apnea Syndromes</li> <li>• DVT/PTE</li> <li>• Occupational</li> <li>• Sarcoidosis</li> <li>• Lung cancer</li> <li>• Plural Effusion</li> <li>• Community Acquired Pneumonia</li> <li>• Histoplasmosis</li> <li>• Tuberculosis</li> </ul>	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Interpret PFTs performed on their patients from the ambulatory clinic and from inpatient consultations	Clinical Teaching Conferences	ABIM global evaluation Written Exam	

		Lectures Journal Club M & M Conference	Procedure Log MCQ Exam	
	Interpret at least 50 chest x-rays under fellow and faculty supervision.	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Perform at least five thoracentesis possibly including needle biopsy of the pleura under fellow and/or faculty supervision	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Assist faculty and fellows in bronchoscopy with video and fluoroscopic facilitation of teaching.	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Demonstrate competence in ordering and administering non-invasive ventilation	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
	Obtain complete medical history and perform a comprehensive physical exams for patients with pulmonary complaints	Clinical Teaching Conferences	ABIM global evaluation Written Exam	

		Lectures Journal Club M & M Conference	Procedure Log MCQ Exam	
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			

By the end of the Pulmonary Medicine Subspecialty Selective, PGY-3 residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

Competency	Required Skill(s)	Teaching Method(s)	Formative Evaluation Method(s)	Frequency of Evaluation
Patient Care	<b>SPECIALTY SPECIFIC OBJECTIVES</b> Evaluate, diagnose and treat patients suffering from the following pulmonary complaints and diseases: <ul style="list-style-type: none"> <li>• Dyspnea</li> <li>• COPD</li> <li>• Asthma</li> <li>• Pulmonary Fibrosis</li> <li>• Sleep Apnea Syndromes</li> <li>• DVT/PTE</li> <li>• Occupational</li> <li>• Sarcoidosis</li> <li>• Lung cancer</li> <li>• Plural Effusion</li> <li>• Community Acquired Pneumonia</li> <li>• Histoplasmosis</li> <li>• Tuberculosis</li> </ul>	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	

Interpret PFTs performed on their patients from the ambulatory clinic and from inpatient consultations	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
Interpret at least 50 chest x-rays under fellow and faculty supervision.	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
Perform at least five thoracentesis possibly including needle biopsy of the pleura under fellow and/or faculty supervision	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
Assist faculty and fellows in bronchoscopy with video and fluoroscopic facilitation of teaching.	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
Demonstrate competence in ordering and administering non-invasive ventilation	Clinical Teaching Conferences Lectures Journal Club	ABIM global evaluation Written Exam Procedure Log MCQ Exam	

		M & M Conference		
	Obtain complete medical history and perform a comprehensive physical exams for patients with pulmonary complaints	Clinical Teaching Conferences Lectures Journal Club M & M Conference	ABIM global evaluation Written Exam Procedure Log MCQ Exam	
Medical Knowledge	<b>SPECIALTY SPECIFIC OBJECTIVES</b>			
Practice Based Learning and Improvement	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Interpersonal and Communication Skills	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Professionalism	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			
Systems-Based Practice	<b>SPECIALTY SPECIFIC OBJECTIVES</b> See General Internal Medicine Objectives for a comprehensive list.			

**Learning Venues:**

Thoracic Conference: Friday @ 8 AM

Weekly meeting of pulmonologists and thoracic surgeons from the fulltime faculty and clinical faculty from the Memphis area, with case presentations by residents and fellows of the most challenging diagnostic and therapeutic problems, with relevant discussion of medical literature.

Ambulatory Pulmonary Clinic

Pulmonary Inpatient Consultation Service

Pulmonary Conference: Tuesday @ 12 Noon

Weekly presentation by faculty and fellows of modular topics in one month blocks, systematically covering all major areas in Pulmonary Medicine over a three-year cycle.

Basic Science Seminars: Monday @ 12 Noon

Weekly presentation by full-time faculty including those from other divisions and departments of UTHSC, covering broad spectrum topics including physiology, pathology, microbiology, radiology, immunology, cell biology, genetics, nutrition, epidemiology, and biostatistics.

Thoracic Oncology Conference: Friday @ 11 AM

Weekly presentation at VAMC of all patients examined by residents and fellows under faculty supervision in multidisciplinary Thoracic Oncology

Clinic, emphasizing diagnosis, staging, and treatment of lung cancer.

Pulmonary Journal Club

Monthly evening presentation by fellows, with invited residents from our service, of two exemplary articles selected by program director from the current pulmonary literature, followed by extensive discussion by faculty.

Morbidity/Mortality Conference

Monthly presentation by fellows, with invited residents from our service, of most interesting and challenging cases from critical care and pulmonary consultative settings, with extensive critique by full-time faculty.

Medical Grand Rounds: Wednesday @ 8 AM

Weekly lecture by faculty or invited professors from other institutions, full spectrum of Internal Medicine topics, with four sessions per academic year devoted to Pulmonary Medicine with guest presentation preceding evening to include practicing pulmonologists from Memphis area.

**Competency Evaluation:**

American Board of Internal Medicine global evaluation form will be completed by the supervising faculty pulmonologist at the end of the monthly rotation.

Written examination prepared by the clinical director and full-time faculty from established testing sites, covering all common pulmonary problems and utilizing case-deductive format, will be completed after each rotation.

Database for written examination is available on the following topics on the IM wards syllabus website.

1. Dyspnea
2. Chronic Obstructive Pulmonary Disease
3. Asthma
4. Idiopathic Pulmonary Fibrosis
5. Acute Respiratory Failure/Non-Invasive Ventilation
6. Deep Venous Thrombosis/Pulmonary Embolism
7. Sarcoidosis
8. Pulmonary Function Tests
9. Lung Cancer/pretreatment evaluation
10. Community Acquired Pneumonia
11. Histoplasmosis
12. Tuberculosis

Computer based MCQ examination on ward medicine from Residency Program Director will contain 10-12 questions on common pulmonary disorders encountered in clinical

practice, from clinical director of this rotation.

ABIM Documentation Log Book for Internal Medicine Procedures

**Outcomes Assessment:**

The educational success of our elective in pulmonary will be based on two criteria:(1) pulmonary subsections scores on the in-service examination of all residents who have successfully completed the elective and (2)pulmonary subsections scores on the ABIM certifying examination in internal medicine taken by medical graduates. Our goal is all residents scoring at the 50th percentile or higher.