

## In the Name of God

### Islamic Republic of Iran Ministry of Health and Medical Education Deputy for Education

## Pulmonary Medicine

### Degree: Subspecialty

#### Program Description

It is a sub set of Internal Medicine, which is involved in Diagnosis, Management and prevention of Lung Disease Complications.

Course Duration is 2 years with the aim of training liable, competent subspecialists in diagnosis, treatment, prevention, follow up, education and research of lung diseases patients.

#### Admission Requirements

- Holding an MD degree
- Having specialty in Internal Medicine
- Having passed the Entrance Exam

#### Expected Competencies at the End of the Program

##### General Competencies\*

##### Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

Lung Functional Tests	Plethismography
Pulmonary Exercise testing	Airway Excitatory Tests
ABG	Evaluation and Diagnosis ventilation-perfusion/shunt
Respiratory Muscle Evaluation	Bronchoscopy (Rigid/Flexible)
PPD	Sleep studies
Correct Sputum Gathering (Induced Sputom)	Pleural Needle Biopsy
Transbronchial Lung Biopsy	Thoracentesis
Bronchoalveolar Lavage	right heart catheterization
Intubation	Mechanical Ventilation

## Educational Strategies, Methods and Techniques\*

### Student Assessment (Methods and Types)


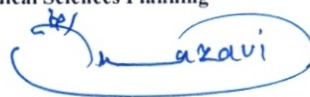

Assessment Methods:	Assessment Period:
MCQ	Annual
Log Book	Log Book
OSCE	Final
360° Evaluation	

### Ethical Considerations\*

\*Note: The related document(s) can be found at <http://hcmeq.behdasht.gov.ir/>.

**The overall structure of the course:**

Ward/Educational Feilds	Contents	Duration
Lung Diseases Ward ICU	Patient Visits Patient Management Scheduling Participation In educational Programs	12 months Pulmonary Disease Ward 6months ICU
Clinics	Out patient Visits,Performing Outpatient Tests and Evaluation (Spirometry,Pulmonary Function Tests..) ,Responding to Consults	Twice /week
Procedure Room	Bronchoscope (Rigid/Flexible) Trans bronchial Lung Biopsy Broncho alveolar Lavage	During the Course
Pulmonary Test lab	Pulmonary Function Tests Spirometry Exercise Testing Ventilation/Perfusion Evaluation .....	2months During the Course
Sleep Studies	Sleep Studies	2months During the Course
Thorax Ward	Pre /Post Operation Lung Transplanted Patients Visit/Observation of thorax Surgeries Chest Tube Insertion Rigid Bronchoscopy	1month
Optional (Radiology/Pathology/Cardiovascular/Lung Transplant)	Based on Ward Schedule	1month

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