



In the Name of God

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

- M.B.B.S./M.D. and specialty or equivalent certificates
- Certificate of Internship or Certificate of Practice

Language Requirements:

- Language requirements: Evidence of English Proficiency on the TOEFL or IELTS tests. The minimum score for TOEFL PBT, TOEFL iBT and IELTS is 533, 72 and 5.5 respectively.
- Applicants from Persian (Farsi) Speaking countries (They shall both speak and write in Persian) who have applied for graduate Degree-based programs may be exempted, based on the decision of the department, from submitting any certificates regarding their English Language Proficiency. Nevertheless, they are required to hand in their English language certificate which meets SUMS' minimal language proficiency requirements, within one year from commencing their studies at SUMS.

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 Log Book OSCE 360° Evaluation	Annual Log Book Final

Ethical Considerations*

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

The overall structure of the course:

Ward/Educational Fields	Contents	Duration
Lung Diseases Ward ICU	Patient Visits Patient Management Scheduling Participation In educational Programs	12 months Pulmonary Disease Ward 6 months 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	2 months During the Course
Sleep Studies	Sleep Studies	2 months During the Course
Thorax Ward	Pre /Post Operation Lung Transplanted Patients Visit/Observation of thorax Surgeries Chest Tube Insertion Rigid Bronchoscopy	1 month
Optional (Radiology/Pathology/Cardiovascular/Lung Transplant)	Based on Ward Schedule	1 month

Important Notice:

The above features the curriculum of the Pulmonary Medicine Program designed and approved by the Iranian Ministry of Health and Medical Education. Given the fact that Shiraz University of Medical Sciences is constantly improving and updating itself to meet the international academic standards and the state of the art, and based on the availability of facilities, devices, ward, laboratories, etc. at SUMS, all the SUMS curricula are approximately 20% subject to change.