



In the Name of God

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

Allergy & Immunology

Degree: Subspecialty

Program Description

Immunology as a medical Sciences branch has had marked development in parallel to all other parts of Medicine. Immunology Science Developments and more Information about Human Defense Mechanism have made this Science a Core model in diagnosis the Causes and nature of a wide spectrum of diseases. On the other hand, study of Diseases originated from Immune System Disorders or Incompetence with the pictures of Immunodeficiency, Allergy, Autoimmunity, cancer... had been effective in illustrating the complexity of Immune System.

During recent Decades and with development of Fellowship and Subspecialties Courses and increasing numbers of researches and published Articles in Immunology and Allergy, training of competent physicians for Prevention, diagnosis and treatment of related diseases of has become of great importance. We hope that with more attention to appropriate place of this subspecialty in National comprehensive scientific Map and evolving correct connection between Basic and Clinical Medical Sciences Specialists, with Provision of development of this science up to frontiers of Knowledge, individual and community health promotion will be achieved.

This current Curriculum is the result of at least 6 months' hard work of Scientists and Experts in this field, comprising a wide spectrum of Immunology and Allergy Diseases from childhood to adulthood.

Definition & Duration of the Training Program:

Clinical Immunology and Allergy is a Clinical Medical Course and the graduates at the end of Training program, will become competent in different Allergy fields like Asthma, Nasal & Ophthalmic allergies, eczema a, Anaphylaxis, drug Allergies, and Primary and Secondary Immunodeficiencies, autoimmunity, and related diseases.

These subspecialists will provide individual and community health in different related fields of Prevention, Diagnosis, Treatment, rehabilitation, Research and Education.

Course duration is 36 months.

Aim:

Training of Competent, Knowledgeable, liable subspecialists for service provision and Continuous Health Promotion through Diagnostic, Therapeutic, Preventive, Educating and Researching and Science Production Fields of Clinical Immunology and Allergy.

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:

Procedural Skills:

Skin Allergic Test
Patch Test
Autoantibody Test
Delayed Hypersensitivity Tests
Simple Spirometry
Exercise respiratory Test
Bronchodilator Respiratory Test
Nasal Smearing and Eosinophils
Measurement IGE Measurement (serum specific,total) Immunoglobulin Measurement
NBT
Isohemagglutinin Measurement
CH50 Measurement
Flocitometry Measurement
PCR
Blood Smear preparation
ELISA
C3/C5 Measurement
Chemotaxis test
IVIg injection

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

Assessment Methods	Assessment Periods
MCQ OSCE DOPS Global Rating Form 360	During the Course

Ethical Considerations*

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

The overall structure of the course:

Ward/Unit or Educational Field	Content	Duration
Adult & pediatrics Immunology and Allergy Clinics	Outpatient Visits	3 days /week
Immunology & allergy Wards	Inpatient Visits/Participation in Educational Schedule	24 Months
Immunology and Allergy Labs	Performing /or supervising cutaneous Tests/Spirometry...	3 months
Obligatory Rotation*	Based on Schedule	8 months
Optional Rotation	Based on Schedule	1 month

* Dermatology (1month), Hematology & Oncology (3months), Adult or Pediatrics Lung Diseases(1month), Rheumatology (1 month), Ear, Nose & Throat (1 month)

Important Notice:

The above features the curriculum of the Allergy & Immunology 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.