



In the Name of God

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

Cardiology

Degree: Specialty & Subspecialty

Program Description

Cardiovascular Specialty and Subspecialty Training Programs are mainly about Prevention, Treatment, Post interventional or post treatment Care. Regarding High Probability of Mortality and Morbidity due to cardiac diseases, in recent 3 decades, there has been a special Attention to these courses in the world and likewise in our Country, resulting in magnificent changes in these courses including changes in management as well as technology and Facilities.

The first Curriculum in this subject had been written in 2006 with 3-5 years revision plan.

This current curriculum is the revised version, produced in 2012.

Definition and Duration of the Course:

Cardiology is a clinical training Program concerned about Prevention, Diagnosis, Management, Care and Rehabilitation of Adults with Cardiovascular diseases and will provide Educational and specialty-subspecialty Health Services and Researches for the Community.

Duration: for Specialty is 4 years and for Subspecialty is 3 years.

Aim:

Training competent, liable practitioners in service provision, education and research.

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.

Admission Requirements:

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

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 performing following procedures

ECG

ETT

Holter ECG

Holter BP

Programming & Analysis of Pacemaker and Defibrillator

Electrical Cardioversion & Defibrillation

Tilt test

Cardiopulmonary Resuscitation

Echo-doppler (TTE)

Transe esophageal Echo cardiography

Pericardiocentesis

Temporary Pacemaker

Electrophysiological Study

Interventional Studies

Right and Left Catheterization

Coronary vessels Angiography

Transplanted Vessels angiography of Bypass

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

Methods	Period
Oral MCQ OSCE Artice Evaluation DOPS Portfolio LOG book MINI CEX	Periodic Annual At the end of training Program

Ethical Considerations *

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

The overall structure of the course:

Educational Field	Content	Duration (month)
Clinic	Outpatient Visit, documentation, hospitalization, Management, follow ups, Consultation	Based on Schedule
Inpatient Ward	Inpatient Visits, Care and Management, procedural Intervention, Discharge, Followup...	Based on Schedule
Angiography Unit	Participation in procedure (observer, aid, independent operator.)	Based on Schedule
Echocardiography ward	Related issues education	Based on Schedule
Exercise test & EPS	Exercise tests, electrophysiological studies	Based on Schedule
Rotational Wards	1. Cardiac surgery 2. Pediatric Cardiac Imaging 3. Cardiac Rehabilitation Ward	1 month 1 month 2 weeks 2 weeks

Important Notice:

The above features the curriculum of the Cardiology 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.