



In the Name of God

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

Interventional Cardiology

Degree: Fellowship

Program Description (Introduction):

Cardiovascular diseases are one of the main causes of mortality in different communities and have a progressive trend in most regions of the world. Following developments in recent decades in the field of invasive and non-invasive diagnostic procedures, therapeutic approaches that used to be limited to medical treatments and heart surgery have gradually changed. These methods have moved toward using non-surgical invasive percutaneous procedures. These procedures are now widely used in all parts of the cardiovascular system, including coronary artery, peripheral vessels, heart valves, and thoracoabdominal aorta. They have led to the establishment of a specific training course as cardiovascular interventional measures for adults.

Considering above mentioned facts, we developed a higher level curriculum in the field of interventional cardiology procedures for adults, and issued the curriculum to the universities.

Definition & Duration of the Training Program:

The course of interventional cardiology procedures for adults is a fellowship course for clinical specialty derived from specialty and subspecialty in cardiovascular diseases and the graduates are involved in the field of non-surgical, invasive diagnostic and therapeutic interventions for cardiovascular diseases of adults. In cases of Pediatric interventional cardiology procedures, they will be performed as team work.

The duration is 18 months.

Aim:

To train knowledgeable, competent, and committed personnel at fellowship level

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:

Coronary Angiography (in high risk patients, emergency patients, Post bypass Patients)

Peripheral vessels Angiography

Percutaneous Coronary Intervention (Angioplasty, Stenting, Coronary

Thrombectomy, Coronary

Chronic Occlusion, Bifurcation PCI)

Mitral Valve Vavulo-plasty (optional)

Pulmonary Valve Valvuloplasty(optional)

Carotid Angioplasty (optional)

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Peripheral vessels except Carotid Angioplasty (optional)

Congenital Heart Diseases Interventional Management

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

A. Assessment Methods

To evaluate the residents of this course, the following methods are used: oral, written, DOPS, computer interactive assessments, and portfolio assessment, including periodic assessment results, log books, scientific-practical activity report, articles, rewards, and punishments.

B. Periods of Assessment

According to internal schedule of training centers

Ethical Considerations *

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

The overall structure of the course:

Department, Unit, or Setting	Content - Measures	Duration (Months)
In-patient	Visit and treatment of patients before and after the procedure and participating in responding to the requested consultation in accordance with the curriculum	18 months During the course
Clinic	Visiting outpatients: treatment planning, patient follow-up	
Cath lab	Performing training diagnostic and therapeutic procedures according to the curriculum	
Research unit	Cooperating in research projects of the training centers according to the curriculum	During the course
Emergency department	Visiting the relevant emergency patients: treatment decision making and responding to the requested the consultations	During the course
Selective ward		During the course up to 2 months

Important Notice:

The above features the curriculum of the Interventional 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.