

In the Name of God

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

Admission Requirements

Specialty: General Practitioners will be selected based on Entrance Exam Rules and Regulation

Subspecialty: The students will be selected from Internists based on Subspecialty Entrance Exam Rules and Regulation

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 Article 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 surgery 3- Cardiac Imaging 4- Cardiac Rehabilitation Ward	1month 1month 2weeks 2weeks

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