

## **In the Name of God**

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

## **Surgery of the Knee Degree: Fellowship**

#### **Program Description (Introduction):**

In the past 40 years, due to rapid development of science and technology, orthopedic surgery has gradually moved toward specialization and graduates in this field tend to acquire more knowledge and competencies in one or more related fields. For this reason, many fellowship programs have been instituted in this field across the world and subsequently relevant subspecialized associations have been formed. The modern facilities and technologies gradually limit arthrotomy for ligament, meniscal and cartilaginous lesions. Furthermore, enormous development has been created in joint replacement. Although non-invasive methods started in Iran a decade ago, the urgent need mandates organizing specialized activities. This curriculum was developed by a number of specialists, using the existing curricula in world and in accordance with available resources and then issued to universities.

#### **Definition and Duration of the Training Course:**

The specialized fellowship course of knee surgery is related to orthopedics field which aims to improve graduates' knowledge and clinical skills in prevention, diagnosis, treatment, care and rehabilitation of knee diseases and injuries.

The course duration is 18 months.

#### **Aims:**

To train skilled, efficient and effective workforce to meet the needs of the healthcare systems.

#### **Admission Requirements**

- Holding an MD degree
- Having specialty in Orthopedics
- Having passed the Entrance Exam

## 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:

Procedures
Reduction and fixing dislocations and fractures of the knee
Repair and reconstruction of ligaments
Diagnostic and therapeutic arthroscopy
Resection, repair and allograft of meniscus
Debridement, chondroplasty, drilling and graft
Primary knee arthroplasty
Secondary knee arthroplasty
Reconstruction of tumoral knee joint
Osteotomy around the knee
Restoring strength and range of joint motions of the patient before and after surgery and traumas
Synovectomy with /without arthroscopy

### Educational Strategies, Methods and Techniques\*

#### Student Assessment (Methods and Types)

##### A. Assessment Methods:

The following assessment methods will be used during the course.

- Written exam
- Oral exam
- DOPS
- Log book

##### B. Periods of Assessment:

- Written exam once every 6 months
- Log book and DOPS continuously
- The final examination for the final qualification

### Ethical Considerations\*

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

**The overall structure of the course:**

Department, unit or setting	Content-measures	Duration (months)
Orthopedic ward	Visiting patients-participating on duty-medical consultations and educational programs as scheduled	Every day during the course
Orthopedic clinic	Outpatient visits-participating in medical consultation-coordination with the departments and units-participating in educational programs as scheduled in the department	At least two days a week during the course
Operating and procedure rooms	Operating related surgeries-performing diagnostic and therapeutic procedures	At least two days a week during the course
Emergency	Performing all diagnostic and therapeutic measures related to the knee	On duty or on call

Seyed-Hassan Emami-Razavi MD  
Secretariat of the Council for  
Graduate Medical Education

Seyed Mansour Razavi MD  
Secretary of the Supreme Council for  
Medical Sciences Planning

Bagher Larijani MD  
Deputy for Education  
Ministry of Health and Medical Education