

**In the Name of God**

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

## **Orthopedics**

**Degree: Specialty**

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

The amazing development in orthopedics during recent couple of years is not comparable with 35 years ago when the first orthopedics curriculum was published in Islamic Republic of Iran.

Although Now a days, there are multiple subspecialties in this field which are beneficial for only 10- 15% of orthopedics patients, the remaining 85-90% of patients should be taken care by general orthopedics specialists.

In this program the fields of general orthopedics competencies and skills necessary to manage that 85-90% of population needs will be covered.

### **Definition and Duration of the Program:**

Orthopedics is a residency Training program to manage Trauma injuries, congenital malformation and acquired diseases involving bones, joints, soft tissues and spine.

**Program Duration: 4 years**

### **Admission Requirements**

- Holding an MD degree
- Having passed the National 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:

Limbs and Spine Physical Exam

Interpretation of Related MRI, CT scan, Bone Scan

Appropriate Management of Multiple Trauma Patients

Fractures Closed Reduction and Pin Fixation

Fractures or Dislocations: Closed Reduction and Operative PIN Fixation

Non Trauma Surgeries:

- Hand and Arm
- Foot and Leg
- Spine
- Tumors
- Shoulder
- Elbow
- Knee

Trauma Surgeries:

- Handa & Arms
- Foot & Legs
- Spine
- Knee
- ShouldeR
- Hip & Pelvis

Neuromuscular Diseases

Infectious Osteoarthritis

Amputation

Hip and neck of Femur Surgery

**Educational Strategies, Methods and Techniques\***

**Student Assessment (Methods and Types)**

<b>Assessment Methods:</b>	<b>Assessment Periods:</b>
MCQ	2 times /year
DOPS	Annual
Log Book	Final
CBD	

**Ethical Considerations\***

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

**The overall structure of the course:**

<b>Level of Residency (Year )</b>	<b>Location</b>	<b>Contents</b>	<b>Duration</b>
<b>1<sup>st</sup></b>	Emergency ward of General Surgery	Training in fundamentals of General Surgery emergency specially related to Orthopedics	2 months
	Orthopedics (Ward, Clinic, Operation Room)	Communication with patients, History taking, Physical Examination, medical management, simple casting, splinting, Ulcer Dressing, patients visit, discharge,...	10 months
<b>2<sup>nd</sup></b>	elective	Training courses related to orthopedics	1 month
	Orthopedics (Ward, Clinic, Operation Room)	Communication with patients, History taking, Physical Examination, medical management, Fractures and casting, splinting, patients' follow up; supervised simple Surgeries	11 months
<b>3<sup>rd</sup></b>	Artificial Limbs Production Center	Training in courses related to Artificial Limbs, Prosthesis and Orthosis	1 month
	Rheumatology Ward	Soft tissue and joints diseases	1 month
	Optional	Training in courses related to Orthopedics	2 months
	Orthopedics (Ward, Clinic, Operation Room)	Consultation, Rotation in different orthopedics subspecialty fields in the ward, medical management, Fractures reduction and Casting, splinting, patients' follow up; supervised complicated Surgeries and independent Simple surgery performance	8 months
<b>4<sup>th</sup></b>	Orthopedics (Ward, Clinic, Operation Room)	Supervision and training of junior Residents, Orthopedics Educational Program Scheduling for Medical Students and residents ...	12 months

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