



In the Name of God

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

- B.D.S./D.M.D./D.D.S or equivalent certificates for the applicants of Specialty
- Certificate of Internship or Certificate of Practice

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.

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:

- Hand & 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)

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

Ethical Considerations*

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

The overall structure of the course:

Educational ward, unit, or area	Contents- Measures	Duration (month)
Clinic	Outpatient visit / senior resident consultation and outpatient procedures as needed. Preparing outpatients for surgery.	Throughout the course according to departments schedule
Ophthalmology ward	Regular visiting inpatients, preparing inpatients for surgery-giving necessary consultations in the ward. Performing diagnostic and therapeutic procedures at the bedside. Bedside education	According to the program organized by the ward during the course
Wet-Lab	Working on natural models of eye and simulators	During the course- case study- according to the program organized by the ward
Operating room	Participating in surgical procedures by observation, assisting or performing independently- according to the program organized by the ward	1-2 days per week the course according to the facilities, except for the first-year students
Optional course	Each student can participate in the required wards in accordance with the organized program under the supervision of the program manager maximum for 1 month and bring a certificate from the wards.	One month

Important Notice:

The above features the curriculum of the Orthopedics 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.