



*In the Name of God*

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

## Otology & Neurotology

Degree: Fellowship

### Program Description

This course is a complementary branch of a specialized field of ear, nose, and throat and head and neck Surgery. The graduates of this field are involved in prevention, diagnosis, treatment and follow-up of the diseases associated with hearing and balance disorders.

The duration of this course is 1 year with the aim of providing the community with knowledge and skills on prevention, diagnosis, treatment, and follow-up of diseases of the ear, skull base, and adjacent structures.

### 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 the following skills:

- Mastoidectomy / Tympanoplasty:
  - CWU (Canal wall up)
  - CWD (Canal wall down)
- Atresia repair (congenital ear disease)
- Acoustic neuroma surgery
  - Translabyrinthine
  - Suboccipital
- Middle fossa
- Glomus surgery and other skull base tumors
- Vertigo surgery (sac surgery – labyrinthectomy vestibular neurectomy)
- Transpetrosal approach
- Cochlear implantation surgery
- Otosclerosis surgery
- Facial paralysis (Facial nerve decompression)

### Educational Strategies, Methods and Techniques\*

#### Student Assessment (Methods and Types)

##### A. Assessment Methods:

- Written exam
- Oral exam
- Log book assessment
- Article assessment<sup>1</sup>
- DOPS (Direct Observation of Procedural Skills)

##### B. Periods of Assessment:

- Written and oral exam (twice a year during the course)
- Log book and continuous DOPS
- Log book continuous assessment and the process of developing research article

### Ethical Considerations\*

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

### The overall structure of the course:

Clinic (General and Specialize)	Outpatient visits, triage, filing medical records and hospitalizing patients, following up professional consultation for patients, performing outpatient procedures, educating junior residents, providing the required professional consultation and other measures in accordance with the regulatory programs of the department	During thr course, 2 days a week
Wards	Visiting hospitalized patients, caring for patients, stabilizing the hospitalized patients, performing diagnostic and therapeutic procedures at the bedside, educating junior residents and other measures in accordance with the regulatory programs of department	Every day
Operation Room	Participating in surgeries for observation, assisting or performing independent surgery, in accordance with the regulatory programs of the department	During the course, at least 2 days a week
Department of Neurosurgery	Attending all brain surgeries, particularly the skull base surgery	1 month

#### **Important Notice:**

The above features the curriculum of the Otology & Neurotology 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.