



In the Name of God

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

Uro-Oncology

Degree: Fellowship

Program Description

In today's world, prevalence, incidence, and load of different types of cancer, including genitourinary cancers, are increasing so that in depth exploring the related topics appears necessary both theoretically and practically. The complexity of the diagnosis, and specialized service provision for patients suffering from these diseases has led to the compilation of different protocols. Even in the world's prestigious universities, specific wards and courses have been established, and specialized services have been offered to the public. In this regard, specific wards were established in Iran in 1991 to offer services to cancer patients.

In order to train the required force in this field, the uro-oncology fellowship was launched in Tehran University of Medical Sciences in 1995. In 2010 decisions were made to convert local programs into a national program. To this end, a committee was formed consisting of a number of experienced people in this field, and compiled the current program, which will be ready for implementation at the approved universities after legal procedures.

Definition and Duration of the Training Program:

The uro-oncology fellowship is a clinical course that was derived from the subspecialty of urology, in which the graduates are engaged in prevention, diagnosis, treatment, and providing care for patients suffering from the cancers of the genitourinary system.

Duration of this educational course is 18 months.

- **Aims:**
- 1. To train specialists who are up-to-date, competent, responsible, and sensitive to the health of individuals and society in the specialized field of urology - oncology, for providing the society with their expertise in the areas of prevention, diagnosis, treatment, education, and research.
- 2. In the next 10 years, Iran will be among the top countries in the region in terms of educational standards, research production, and providing people with medical services in this field. Furthermore, Iran will top the region in terms of science production.

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

Procedural Skills (Diagnostic-Therapeutic Measures):

Partial cystectomy and radical cystoprostatectomy

Radical prostatectomy

Radical nephrectomy

Partial nephrectomy

Retroperitoneal lymphadenectomy (RPLND)

Penectomy Inguinal lymphadenectomy

Adrenalectomy in adrenal masses

Surgeries for upper urothelial cancers

Transurethral Resection of Bladder Tumour (TURBT)

Radical orchidectomy

Transrectal ultrasound-guided prostate biopsy

Educational Strategies, Methods and Techniques *

Student Assessment (Methods and Types)

I. Assessment Methods:

Student assessment methods include:

Written, oral, computer interaction test, OSCE, DOPS, logbook assessment, 360-degree feedback paper-based assessment, portfolio assessment

II. Periods of assessment: Once every 6 months

Ethical Considerations *

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

The overall structure of the course:

Ward, unit, or setting	Syllabus- Measures	Duration (month)
Clinic	Outpatient visit, triage, filing medical records, and hospitalizing patients, performing outpatient procedures, educating the lower-level classes, responding to expert consultations requested, and other measures in accordance with programs of the ward	At least two days a week during the course
Inpatients	Visiting inpatients, following up the patients' hospitalization, patient care, performing diagnostic- therapeutic procedures at the bedside, educating the lower-level classes, and other measures in accordance with organized programs of the ward	Every day during 14 months
Procedural room	Participating in procedures by observing, assisting or performing independently according to the program organized by the ward	During the course- per case
Procedural room	Participating in procedures by observing, assisting or performing independently according to the program organized by the ward	During the course- per case
Hematology – Oncology Ward	Familiarity with the chemotherapy of genitourinary cancers	1 month
Radiotherapy ward	Familiarity with the chemotherapy of genitourinary cancers	1 month
Workshops and research center		1 month
Optional wards	Pathology, endourology, radiology, palliative medicine and nuclear medicine	1 month

Important Notice:

The above features the curriculum of the Uro-Oncology 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.