

In the Name of God

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

Reconstructive Urology Degree: Fellowship

Program Description

Urethral stricture is a relatively common urologic problem associated with significant economic burden. The incidence of urethral stricture is estimated 1 to 9 per 1,000 people, hence it has a high prevalence and incurs considerable economic burden. Its treatment dates back to 600 B.C.

The unfortunately high number of accidents and frequency of hip fractures in Iran causes numerous urethral injuries. In order to improve patients' quality of life and function in congenital or acquired disorders of genitourinary tract has increased the need for training experts in the field of reconstruction and treatment of diseases related to male genitourinary tract including stenosis of the urethra, hypospadias, epispadias, urinary incontinence, urethrocutaneous and urethrorectal fistula, sexual impotence...

. As we currently have sufficient number of specialists in the country and their high experience, a committee was developed from a number of experienced professors in this field to develop and implement the program in the approved universities after it has been ratified.

Definition and Duration of the training Program:

Fellowship of reconstructive urology is a clinical course derived from the subspecialty of renal and genitourinary tract surgery and the graduates are involved in prevention, diagnosis, treatment and care of patients with genitourinary tract diseases, especially the urethra and penis.

Program duration 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 reconstructive urology.
- 2-In 10 years, we will be among the top countries of the region in terms of educational standards, research productivity and providing medical services to people. (However, we have reached some of these milestones already)

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 procedural skills (Diagnostic-Therapeutic Measures):

- Retrograde urethrography (RUG)*
- Cystography (VCUG)*
- Rigid cystoscopy
- Flexible cystoscopy
- Dilatation
- Internal urethrotomy
- Buccal and sublingual and lips graft harvest

Meatus strictures and navicularis fossa repair using graft or flap
Penile strictures urethroplasty using graft or flap
Bulbar strictures urethroplasty using graft or flap
Panurethra strictures urethroplasty using graft or flap
Bulbar strictures urethroplasty using anastomosis technique
Urethroplasty of simple posterior stricture by anastomosis technique
Urethroplasty of difficult posterior stricture by anastomosis technique and inferior pubectomy, releasing the bladder neck and use of the omentum flap
Urethrocutaneous and urethrorectal fistula repair
Primary repair of hypospadias
Failed hypospadias repair
Repair of congenital penile curvature
Repairing skin of glans and shaft of the penis using grafts
Implanting artificial sphincter for incontinence
Penile prosthesis implantation
Penis revascularization surgery
Concealed penis repair in adults
Total penis reconstruction after trauma
Phalloplasty
. Ambiguous genitalia surgery

Educational Strategies, Methods and Techniques*

Student Assessment

Assessment methods:

Written
computerized interactive quizzes
Oral
DOPS
Logbook assessment
360-degree feedback
Paper assessment
Portfolio assessment

Periods of assessment:

Once every six months

Ethical Considerations*

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

Overall structure of the course:

Ward, unit, or department	Syllabus- Measures	Duration (month)
Clinic	outpatient visit - Selecting, filing and admission- Following the specialized counseling of patients- performing outpatient procedures - training the lower ranks - Responding to requested specialized counseling and other measures as scheduled by the ward	Twice a week During the course
Ward	The inpatient - caring of patients - stabilizing patients admitted to the ward - performing diagnostic therapeutic procedures - training the lower ranks and other measures as scheduled by the ward	Every day During the course
Operating room	Participation in surgery as an observer, assistant or performing independently - other measures as scheduled by the ward	At least twice a day during the course
Procedure room	Participation in procedure as an observer, assistant or performing independently - other measures as scheduled by the ward	During the course per case
Urodynamic ward	More familiarity with urodynamic and following outcomes of patients who underwent surgery	One month
Plastic surgery, reconstruction and burn ward	More familiarity with a variety of regional flaps and principles of reconstructive surgery and principles of skin grafts harvest and the overlapping cases	2 months
Optional ward	Overseas reconstructive urology ward	Optional

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