

In the Name of God

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

**Pediatric Urology
Degree: Fellowship**

Program Description

The pediatric urology fellowship program is a clinical course and the graduates are engaged in prevention, diagnosis, treatment, and care provision for patients with congenital and acquired functional and organic disorders of the genitourinary tract and adrenal gland. The scope of practice of this course ranges from the fetal period until the end of 18 years of age.

Duration of this educational program is 18 months. The aim is to train specialists who are up-to-date, competent, responsible, and sensitive to the health of individuals and society in the specialized field of pediatric urology.

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:

Procedural Skills (Diagnostic-Therapeutic Measures):

Procedure
Ultrasound-guided percutaneous nephrostomy
Circumcision
Types of trauma
Surgical management of neurogenic bladder dysfunction
UPJ obstruction, Surgical management of ureteropelvic junction obstruction
UVJ obstruction, Surgical management of ureterovesical junction obstruction
Ureterocele
Ureteral ectopia
PUV and stenosis
Renal cystic lesions
Treatment methods of vesicoureteral reflux, open surgery 30 Endoscopy 50
Kidney, testicular, bladder tumors
Ureteral catheterization
Different types of open and endoscopic surgeries for urinary stones
Ambiguous genitalia surgeries
Hydrocele
Varicocele
Disorders of the testes
Extrophy reconstructive surgeries In referral centers (are rare)
Hypospadias
Epispadias In referral centers (are rare)
GU anomalies in Prune belly syndrome In referral centers (are rare)
Torsion of the testis and appendages
Cystoscopy on children and infants
Ureteroscopy
Urodynamic testing
Lithotripsy
Adrenal Surgery
Kidney Transplantation

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

- I. **Assessment methods:** At least two of the following methods:
Written, oral, computer interaction test, OSCE, DOPS, logbook assessment, 360-degree feedback, paper-based assessment, portfolio assessment
- II. **Periods of assessment:**
Continuous assessment
Oral assessment per semester

Ethical Considerations*

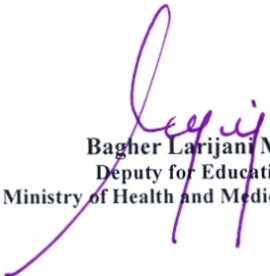
*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>.

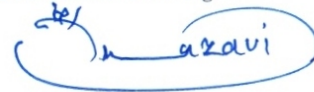
The overall structure of the course:

Educational ward, unit, or area	Syllabus- Measures	Duration (month)
Clinic	Outpatient visit- triage, filing medical records, and hospitalizing patients- following up the expert consultations given to the patients, performing outpatient procedures, educating the lower-level classes, responding to expert consultations requested, and other measures in accordance with programs of the ward	Three days a week during the course
In-patients	Visiting hospitalized patients, patient care- stabilizing the vital signs of patients admitted to the ward - 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 the course
Operating room	Participating in surgical operations by observing- assisting or performing independently according to the program organized by the ward	4 days a week during the course
Procedural room	Participating in procedures by observing, assisting or performing independently according to the program organized by the ward	Case study
Neonatal unit and ICU	According to the provisions stipulated in the box below	1 month
<i>Pediatric nephrology</i>	According to the provisions stipulated in the box below	1 month
Pediatric radiology	According to the provisions stipulated in the box below	1 month
<i>Perinatology ward</i>		1 month
<i>Urodynamic unit</i>		1 month
<i>Lithotripsy unit</i>		During the course
<i>Optional ward</i>	Pediatric general surgery, pediatric anesthesiology, endocrinology, or genetics wards	1 month
<i>An opportunity for reaching a conclusion</i>	For following through with the course research	During the course

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