

# General Educational Goals of the Urology Resident Program

Residents are expected to acquire and apply the below skills at the URO-1 level and to further master them throughout the remainder of the training program. Residents annually receive specific written goals and objectives for each rotation assignment at each level of the program.

## Patient Care

Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. Each resident is expected to:

1. Complete a comprehensive history and physical (outpatient and inpatient care).
2. Develop responsible practices in medical record keeping.
3. Act responsibly as a physician, making judgments and decisions regarding patient care in basic settings including ordering appropriate laboratory and radiological tests. Generate proper differential diagnosis.
4. Recommend and administer appropriate age specific care and screening for urological diseases.
5. Implement progressive patient management and continuity of patient care.
6. Prepare for surgical cases including demonstrating knowledge of the risks and rationale for commonly performed cases.
7. Exhibit knowledge of and be able to effectively identify and manage postoperative problems.
8. Demonstrate surgical proficiency and technical ability during surgical cases suitable for their training level.
9. Identify conditions requiring hospitalization
  - Select appropriate lab tests and diagnostic studies and interpret the results
  - Adequate pelvic exam with speculum

- Cystoscopy and diagnostic studies such as retrograde pyelography
- Cystoscopy and associated diagnostic and/or therapeutic procedures including internal urethrotomy, balloon dilation of strictures, fulguration of bleeding, random bladder biopsies placement of or removal of ureteral stents, and lithotripsy of bladder calculi
- Uncomplicated ureteroscopy with and without stone treatment
- Open prostatectomies for benign disease
- Pelvic lymph node dissections
- Scrotal and inguinal operative procedures including scrotal/penile trauma and testicular torsion
- Penile surgery including circumcision, treatment of priapism, penile biopsy and treatment of penile condyloma
- Bladder surgery including but not limited to repair of bladder injuries, partial cystectomy, and cystoscopy
- Placement of Foley catheter in difficulty patients and placement of suprapubic tubes.
- Bladder ultrasonography
- Transrectal ultrasonography and prostate biopsies with and without performance of prostate block
- Begin learning technique of transurethral resection of small obstructing prostatic adenoma

## **Medical Knowledge**

All residents must demonstrate knowledge about established and evolving biomedical, clinical, and cognate sciences and how to apply this knowledge to patient care. Residents are expected to:

1. Given the comprehensive history and physical, the residents will be able to recognize genitourinary problems.

2. Identify indications for surgical intervention and identify coexisting medical problems.
3. Demonstrate knowledge of urologic anatomy and an understanding of the pathophysiology of urologic condition and diseases including adrenal disease and endocrinology, andrology, calculus disease, endourology, extracorporeal shock wave lithotripsy, impotence, infertility, female urology, geriatric urology, infectious disease, laparoscopy, neurourology, obstructive disease, oncology, pediatric urology, renovascular disease, sexual dysfunction, renal transplantation, trauma and urodynamics.
4. Recognize and diagnose basic emergency room problems.
5. Identify conditions requiring hospitalization.
6. Identify basic endourological equipment such as flexible and rigid cystoscopes, flexible and semi-rigid ureteroscopes, various types of stents, stone baskets, types of lasers, balloon dilators and demonstrate knowledge on how and when such equipment may be required.
7. Use fluoroscopy and implement safety issues concerning the use of fluoroscopy as it relates to physicians, nurses, techs and patients.

## **Practice Based Learning and Improvement**

Residents must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices. Residents are expected to:

1. Demonstrate an ongoing process of learning through regular study, reading, literature review, conference participation and attendance, and education of medical students.
2. Use information technology (IT) to manage information and access online medical information.  
Application of this knowledge (IT) should be used to improve patient care.
3. Develop skills in teaching the field of urology to students and staff. (Facilitate the learning of others)
4. Engage in on-going learning including extra reading and surgical practice when

indicted, seeks information from the literature. Support their education.

5. Change practice patterns in response to feedback.
6. Use Systematic approach such as surgical log review to compare own outcomes to accepted guidelines and national or peer data, then identify strengths or weaknesses to make improvements as needed.

## **Interpersonal and Communication Skills**

Residents must be able to demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates. Residents are expected to:

1. Share data obtained from patient history and physicals with colleagues in an organized, clear, concise and logical manner in both written and oral forms. (Prepare written and oral reports in order to share data with colleagues.)
2. Behave professionally and communicate well with colleagues, nurses, secretaries and other members of hospital staff and healthcare team.
3. Demonstrate care and concern for patients and their families. Create and sustain a therapeutic and ethically sound relationship with patients.
4. Communicate effectively with patients and their families.
5. Scholarly communication.

## **Professionalism**

Residents must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population. Residents are expected to:

1. Exercise basic ethical principles involved in the field of urology (displays integrity and ethical behavior).
2. Demonstrate respect, compassion and integrity. (ACGME website)
3. Organize patient care with regards to the patient's culture, gender, age, and disabilities. (ACGME website)

4. Accept responsibility and follows through on tasks.
5. Practice within the scope of his/her abilities.

### **Systems Based Practice**

Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value. Residents are expected to:

1. Compare and contrast cost benefit/efficient medical procedures.
2. Collaborate with other medical/health care professionals to create appropriate and cost efficient patient care.
3. Identify how the health care system works and apply this knowledge to provide the best patient care. (Promote and facilitate patient awareness of available care options)
4. Work to promote patient safety.
5. Recognize how their patient care and other professional practices affect other health care professionals, the health care organization and the larger society and how these elements of the system affect their own practice.
6. Utilize different types of medical practices and delivery systems and understand how they differ.