

## **RESIDENT GOALS AND OBJECTIVES BY ROTATION U-3**

### **U-3 (PGY-4,5) GOALS AND OBJECTIVES BY ROTATION**

The following G&O's are representative of the unique experience gained at the individual institutions and represent a subset of the overall G&O's for the U-1 year. Duplication of experience in certain areas is expected and may also be reflected in the G&O's below. The General Urology G&O's and Urologic Education Specific G&O's apply to all rotations and will not be further elaborated upon in this section.

Residents should review these G&O's prior to each rotation. Further they should discuss them with the local site director prior to, during and at the conclusion of the rotation to gain feedback and provide input into any revisions necessary.

#### **Methodist Hospital**

##### **Urology Clinical Competency Specific goals:**

Improve communication skills to accurately communicate with patients, their families and other health care professionals regarding patient care issues and treatment plans.

Improve evaluation, management and clinic procedure skills and efficiency

Develop independent administrative skills including management of all aspects of the resident team for the assigned hospital

Develop an appreciation of the complexity of the specific health care system for the rotation

Develop a conceptualization of how the urologic care fits into the overall context of the patient's health

Develop an attitude of patient advocacy

Further build on skills that prevent and manage post-operative complications

Further build on teaching skills to assist the more junior residents and students on the service.

Supervise (with faculty input) the junior residents in minor procedures

##### **Objectives:**

Demonstrate functionality in the specifics of scheduling cases, presenting at preoperative conferences, and presentations at M&M conferences

Create compliant call and coverage schedules for the service

Demonstrate *professionalism* through team management to assure timely attendance at conferences, clinics and OR assignments

Demonstrate *leadership* by monitoring the junior residents with respect to their educational, clinical and personal development

Demonstrate *leadership* by monitoring the team for signs of fatigue

Demonstrate understanding of *systems-based practice* by adjusting team activities to conform to healthcare system policies

Demonstrate an ability to use the health care system in creative ways in order to expedite patient diagnostics and care as indicated by their clinical needs

Demonstrate understanding of the bigger clinical picture for each patient through judicious use of consultants and open dialog with the patient's primary care team

**Mechanism of learning:** Reading, mentoring by fellows/faculty, conferences, on rotation

experience, rounds with attendings

**Competency:** Professionalism, Patient Care, Medical Knowledge, Interpersonal & Communication skills, Systems-based practice & improvement.

**Documentation:** Global Resident Competency Rating Form, Observed Patient Encounter Rating Form, Peer & staff 360 Degree Rating Form, Patient Evaluations, spot review of clinic notes,

**Emergent, Consultation & Inpatient Care Goals:**

Build on the knowledge base from the U-2 year.

Further develop confidence and leadership skills with the hospital team.

Further build on skills that prevent and manage post-operative complications

Further build on teaching skills to assist the more junior residents and students on the service.

Improve communication skills to accurately communicate with patients, their families and other health care professionals regarding patient care issues and treatment plans.

**Objectives:**

Demonstrate confidence and successful administration of the hospital team.

Demonstrate leadership by helping the more junior residents develop efficient, accurate and timely evaluation and management plans for patients in the urgent, consultative and inpatient settings

Demonstrate leadership and teaching skills by allowing the more junior residents to begin to function independently while carefully guiding them to ensure patient safety

Demonstrate clinical thoroughness that maximizes preoperative planning and minimizes post-operative complications and less than optimal outcomes

**Mechanism of learning:** Reading, mentoring by fellows/faculty, conferences, clinical experience, faculty teaching rounds

**Competency:** Medical Knowledge, Patient Care, Interpersonal & Communication skills, Professionalism

**Documentation:** Global Resident Competency Rating Form, Observation on rounds, Peer & Staff 360 Degree Rating Form, Patient evaluations, M&M reports

**Urology Specific Surgical Skills Goals:**

Improve skill level to allow completion of more complex cases in open, laparoscopic, robotic and endoscopic surgery.

Develop a further understanding of the safe use of all instrumentation in laparoscopic surgery

**Objectives**

Demonstrate Surgical Skills including:

- Understanding of anatomy

- Knowledge of indications for surgical intervention

- Benefits and risks of procedures

- Alternative treatments available including non-surgical alternatives

- Facile use of laparoscopic, robotic, open and endoscopic instrumentation

- Accuracy, safety and efficiency in operative performance

- Preparation, patience and technique to minimize complications for the following (in addition to skills listed under PGY1 – U-2):

Adrenalectomy (open/laparoscopic)  
Radical nephrectomy (complicated)  
Radical nephrectomy with tumor thrombus  
Laparoscopy/hand-assisted nephrectomy  
Partial nephrectomy  
Pediatric partial nephrectomy  
Revision pyeloplasty  
PCNL with multiple access/concomitant ureteroscopy  
Segmental ureterectomy  
Ureteral reimplantation for primary reimplant failures, ureteral disruption, Distal ureterectomy  
Bladder augmentation, Mitrofanoff, MACE  
Repair of vesico-enteric fistula  
Cystoprostatectomy and conduit/continent diversion  
Female cystectomy/anterior exenteration with conduit  
Cystectomy and continent diversion/bladder substitution  
Radical prostatectomy (open, robotic)  
Salvage prostatectomy  
Urethrolisis/revision female pelvic reconstruction  
Replace/revise artificial urinary sphincter  
Graft urethroplasty  
Inguinal/pelvic/retroperitoneal lymph node dissection  
Correction of Peyronies with plaque excision and grafting  
Total penectomy with urethrostomy

**Mechanism of learning:** Reading, mentoring by upper level residents/faculty, conferences, OR experience, Skills lab

**Competency:** Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Practice-Based Learning, Surgical skills

**Documentation:** Global Resident Competency Rating Form, Operative evaluation forms, peer and staff 360 rating forms

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### **University Hospital**

The University Hospital is also known as the Bexar County Hospital and as such serves as the main facility for care of the population of the county surrounding San Antonio. It has a level 1 trauma center and accepts a large number of otherwise unfunded or subsidized patients.

### **Urology Clinical Competency Specific goals:**

Improve communication skills to accurately communicate with patients, their families and other health care professionals regarding patient care issues and treatment plans.

Improve evaluation, management and clinic procedure skills and efficiency

Develop independent administrative skills including management of all aspects of the resident team for the assigned hospital

Develop an appreciation of the complexity of the specific health care system for the rotation

Develop an appreciation of the complexity of the specific health care system for the rotation – especially Care-link intricacies.

Develop a conceptualization of how the urologic care fits into the overall context of the patient's health

Develop an attitude of patient advocacy

Further build on skills that prevent and manage post-operative complications

Further build on teaching skills to assist the more junior residents and students on the service.

Supervise (with faculty input) the junior residents in minor procedures

**Objectives:**

Demonstrate functionality in the specifics of scheduling cases, presenting at preoperative conferences, and presentations at M&M conferences

Create compliant call and coverage schedules for the service

Demonstrate *professionalism* through team management to assure timely attendance at conferences, clinics and OR assignments

Demonstrate *leadership* by monitoring the junior residents with respect to their educational, clinical and personal development

Demonstrate *leadership* by monitoring the team for signs of fatigue

Demonstrate understanding of *systems-based practice* by adjusting team activities to conform to healthcare system policies

Demonstrate an ability to use the health care system in creative ways in order to expedite patient diagnostics and care as indicated by their clinical needs

Demonstrate understanding of the bigger clinical picture for each patient through judicious use of consultants and open dialog with the patient's primary care team

**Mechanism of learning:** Reading, mentoring by fellows/faculty, conferences, on rotation experience, rounds with attendings

**Competency:** Professionalism, Patient Care, Medical Knowledge, Interpersonal & Communication skills, Systems-based practice & improvement.

**Documentation:** Global Resident Competency Rating Form, Observed Patient Encounter Rating Form, Peer & staff 360 Degree Rating Form, Patient Evaluations, spot review of clinic notes,

**Emergent, Consultation & Inpatient Care Goals:**

Build on the knowledge base from the U-2 year.

Further develop confidence and leadership skills with the hospital team.

Further build on skills that prevent and manage post-operative complications

Further build on teaching skills to assist the more junior residents and students on the service.

Improve communication skills to accurately communicate with patients, their families and other health care professionals regarding patient care issues and treatment plans.

**Objectives:**

Demonstrate confidence and successful administration of the hospital team.

Demonstrate leadership by helping the more junior residents develop efficient, accurate and timely evaluation and management plans for patients in the urgent, consultative and inpatient settings

Demonstrate leadership and teaching skills by allowing the more junior residents to begin to function independently while carefully guiding them to ensure patient safety

Demonstrate clinical thoroughness that maximizes preoperative planning and minimizes post-operative complications and less than optimal outcomes

**Mechanism of learning:** Reading, mentoring by fellows/faculty, conferences, clinical experience, faculty teaching rounds

**Competency:** Medical Knowledge, Patient Care, Interpersonal & Communication skills, Professionalism

**Documentation:** Global Resident Competency Rating Form, Observation on rounds, Peer & Staff 360 Degree Rating Form, Patient evaluations, M&M reports

### **Urology Specific Surgical Skills Goals:**

Improve skill level to allow completion of more complex cases in open, laparoscopic and endoscopic surgery.

Develop a further understanding of the safe use of all instrumentation in laparoscopic surgery

### **Objectives**

Demonstrate Surgical Skills including:

- Understanding of anatomy

- Knowledge of indications for surgical intervention

- Benefits and risks of procedures

- Alternative treatments available including non-surgical alternatives

- Facile use of laparoscopic, open and endoscopic instrumentation

- Accuracy, safety and efficiency in operative performance

- Preparation, patience and technique to minimize complications for the following (in addition to skills listed under PGY1 – U-2):

  - Adrenalectomy (open/laparoscopic)

  - Radical nephrectomy (complicated)

  - Radical nephrectomy with tumor thrombus

  - Laparoscopy/hand-assisted nephrectomy

  - Partial nephrectomy

  - PCNL with multiple access/concomitant ureteroscopy

  - Segmental ureterectomy

  - Ureteral reimplantation for reimplant failures, ureteral disruption,

  - Distal ureterectomy

  - Repair of vesico-enteric fistula

  - Cystoprostatectomy and conduit/continent diversion

  - Female cystectomy/anterior exenteration with conduit

  - Cystectomy and continent diversion/bladder substitution

  - Radical prostatectomy

  - Salvage prostatectomy

  - Urethrolisis/revision female pelvic reconstruction

  - Replace/revise artificial urinary sphincter

  - Graft urethroplasty

  - Inguinal/pelvic/retroperitoneal lymph node dissection

  - Correction of Peyronies with plaque excision and grafting

Total penectomy with urethrostomy

**Mechanism of learning:** Reading, mentoring by upper level residents/faculty, conferences, OR experience, Skills lab

**Competency:** Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Practice-Based Learning, Surgical skills

**Documentation:** Global Resident Competency Rating Form, Operative evaluation forms, peer and staff 360 rating forms

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### **Pediatric Urology**

The pediatric patient population spans all socioeconomic strata and is generally representative of the pediatric populations in any large metropolitan area.

### **Urology Clinical Competency Specific goals:**

Improve communication skills to accurately communicate with patients, their families and other health care professionals regarding patient care issues and treatment plans.

Improve evaluation, management and clinic procedure skills and efficiency

Develop independent administrative skills including management of all aspects of the resident team for the assigned hospital

Develop an appreciation of the complexity of the specific health care system for the rotation

Develop a conceptualization of how the urologic care fits into the overall context of the patient's health

Develop an attitude of patient advocacy

Further build on skills that prevent and manage post-operative complications

Further build on teaching skills to assist the more junior residents and students on the service.

Supervise (with faculty input) the junior residents in minor procedures

### **Objectives:**

Demonstrate functionality in the specifics of scheduling cases, presenting at preoperative conferences, and presentations at M&M conferences

- Prepare all aspects of interesting pediatric cases for presentation at Pediatric case and preop conferences

- Assume primary responsibility for posting of cases along with details of duration, special equipment needs, blood products, etc.

Create compliant call and coverage schedules for the service

Demonstrate *professionalism* through team management to assure timely attendance at conferences, clinics and OR assignments

Demonstrate *leadership* by monitoring the junior residents with respect to their educational, clinical and personal development

Demonstrate *leadership* by monitoring the team for signs of fatigue

Demonstrate understanding of *systems-based practice* by adjusting team activities to conform to healthcare system policies

Demonstrate an ability to use the health care system in creative ways in order to expedite patient diagnostics and care as indicated by their clinical needs

Demonstrate understanding of the bigger clinical picture for each patient through judicious use of consultants and open dialog with the patient's primary care team

Be able to clearly discuss the evaluation and management of:

Ambiguous genitalia/intersex states

All forms of hypospadias

Epispadias / exstrophy

Undescended testis

Scrotal and inguinal pathology

**Mechanism of learning:** Reading, mentoring by fellows/faculty, conferences, on rotation experience, rounds with attendings

**Competency:** Professionalism, Patient Care, Medical Knowledge, Interpersonal & Communication skills, Systems-based practice & improvement.

**Documentation:** Global Resident Competency Rating Form, Observed Patient Encounter Rating Form, Peer & staff 360 Degree Rating Form, Patient Evaluations, spot review of clinic notes.

### **Emergent, Consultation & Inpatient Care Goals:**

Build on the pediatric knowledge base from the U-1 year.

Further develop confidence and leadership skills with the hospital team.

Further build on skills that prevent and manage post-operative complications

Further build on teaching skills to assist the more junior residents and students on the service.

Improve communication skills to accurately communicate with patients, their families and other health care professionals regarding patient care issues and treatment plans.

### **Objectives:**

Demonstrate confidence and successful administration of the hospital team.

Demonstrate leadership by helping the more junior residents develop efficient, accurate and timely evaluation and management plans for patients in the urgent, consultative and inpatient settings

Demonstrate leadership and teaching skills by allowing the more junior residents to begin to function independently while carefully guiding them to ensure patient safety

Demonstrate clinical thoroughness that maximizes preoperative planning and minimizes post-operative complications and less than optimal outcomes

**Mechanism of learning:** Reading, mentoring by fellows/faculty, conferences, clinical experience, faculty teaching rounds

**Competency:** Medical Knowledge, Patient Care, Interpersonal & Communication skills, Professionalism

**Documentation:** Global Resident Competency Rating Form, Observation on rounds, Peer & Staff 360 Degree Rating Form, Patient evaluations, M&M reports

### **Urology Specific Surgical Skills Goals:**

Improve skill level to allow completion of more complex cases in open, laparoscopic and endoscopic surgery.

Develop a further understanding of the safe use of all instrumentation in laparoscopic surgery

Develop skills to handle more complex pediatric surgical cases.

### **Objectives**

Demonstrate Surgical Skills including:

Understanding of anatomy  
Knowledge of indications for surgical intervention  
Benefits and risks of procedures  
Alternative treatments available including non-surgical alternatives  
Facile use of laparoscopic, open and endoscopic instrumentation  
Accuracy, safety and efficiency in operative performance  
Preparation, patience and surgical technique to minimize complications for the following (in addition to skills listed under U-1):

- Pediatric partial and total nephrectomy
- Adrenal mass resection
- Pyeloplast including revision pyeloplasty
- PCNL with multiple access/concomitant ureteroscopy
- Ureteral reimplantation including reoperation for reimplant failures, ureteral disruption, etc
- Ureterocele repair
- Bladder augmentation, Mitrofanoff, MACE
- Complex hypospadias repair, reoperation
- Exstrophy repair

Appropriate selection and handling of intestinal segments for use in the urinary system.

**Mechanism of learning:** Reading, mentoring by upper level residents/faculty, conferences, OR experience, Skills lab

**Competency:** Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Practice-Based Learning, Surgical skills

**Documentation:** Global Resident Competency Rating Form, Operative evaluation forms, peer and staff 360 rating forms

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### **Elective**

The 3 month elective rotation allows time to develop clinical skills in a specialty area and clinical or basic science research projects. Examples of this include rotations outside the institution, interventional radiology and others. The residents often pursue other surgical interests as part of the UH team during this time. The focused learning may also include Quality Improvement projects that can be implemented at several sites.

Goals and Objectives vary and are designed in consultation with the program director and other faculty and departments prior to starting the rotation. These must be clearly stated and documented in the resident's portfolio with assessment mechanisms and a plan for evaluation periodically. There must be clinical activity associated with these rotations if there is a focus on research.

**Mechanism of learning:** Reading, mentoring by upper level residents/faculty, conferences, OR experience

**Competency:** Patient Care, Medical Knowledge, Interpersonal and Communication Skills, Practice-Based Learning, Surgical skills

**Documentation:** Attendance record of conferences, Global Resident Competency Rating Form, Operative evaluation forms, peer and staff 360 rating forms.