

LSUHSC-Shreveport

Major Participating Institutions- LSU University Hospital (Parent Institution), Overton Brooks Veterans Affairs Medical Center, Shriners Hospitals for Children, Willis Knighton Medical Center, and LSUHSC-Monroe

Resident Levels of Care

Urology

Resident Level: PGY 1- Pre-Urology Surgery

Clinical Non-Invasive Diagnosis and Management	Invasive Operative Management
<ul style="list-style-type: none">• Perform and document Histories and Physical Exams• Order & Interpret findings of Diagnostic Tests(Radiology, Electrocardiographic, and Laboratory)• Develop and Document Fluid and Electrolyte Therapy• Monitor Vital Signs and Intake/Output• Request and review appropriate consultations• Obtain and document Informed Consent• Order Transfusions of Blood and Blood products• Order Pain Management therapy• Order Medications and monitor for their effects and for possible adverse reactions• Develop and document Pre and Post Operative Care Plan• Document patient status by clear and legible notes	<p>* A faculty physician, other than another resident, must be present physically during the key portions of the procedure or is immediately available.</p> <ul style="list-style-type: none">• Perform Venipuncture• Start Peripheral IV Lines• Place Central Lines (Subclavian or Jugular Veins)*• Draw Blood Cultures• Place Foley Catheters• Obtain Oropharyngeal Control of the Airway and Provide Ambu Ventilation• Perform Oral/Nasal-gastric/Tracheal* Intubation• Administer local anesthetics• Learn basic techniques of Dissection and Handling of Tissues

- Dictate discharge summaries
- Dictate Operative Notes
- Learn and apply appropriate ICD and CPT codes and understand the documentation needed
- Collect specimens (urine,sputum, drainage,etc.) for submission to laboratory or for examination
- Understand and practice sterile technique and scrub, gown, glove, and drape properly
- Manage surgical tubes and drains
- Understand and practice universal infection control/ safety precautions
- Understand principles of triage
- Understand/utilize principles of mechanical ventilation
- Understand the basic principles of anesthesia and interpret the anesthesia record
- Assess Preoperative Risks and assign ASA Classification
- Maintain a legally correct and complete Medical Record
- Use and understand the nursing Notes and patient data
- Interpret normal and common abnormal findings in X-Rays of chest, abdomen, soft tissues and skeleton
- Position the patient properly for operative exposure,temperature control, and protect

- Repair Simple Lacerations
- Understand Principles and Applications of Electrocautery
- Perform wound closure (suture and skin staples)
- Perform wound dressing and daily wound care
- Perform wound irrigation and debridement
- Serve as Operative Assistant
- Excise or Biopsy superficial skin lesions
- Perform needle or open biopsies (Breast Masses, Prostate Nodule, Superficial Lymph Nodes,etc.)*
- Perform Incision and drainage of superficial (or Deep*) Fluid Collections and/or Abscesses
- Place (Percutaneous or Open Techniques)*, Maintain, and Remove Thoracostomy Tubes
- Perform and interpret Paracentesis and Diagnostic Peritoneal Lavage*
- Perform and interpret Thoracentesis*
- Perform Diagnostic Lumbar Puncture*
- Obtain and apply split thickness skin grafts*

from pressure/ traction

- Be familiar with common surgical instruments and suture materials and their proper uses
- Know the Indications, Applications and Risks of Lasers and become trained in basic laser use
- Utilize the Institutional Resources and Case Management Services for Discharge Planning and Follow Up
- Understand the Methods of Outcomes Assessment
- Be aware of the Principles of Peer Review and cooperate with the GMEC and CQI Processes and Activities
- Understand the concept of Risk Management and the needed Documentation in the Medical Record
- Understand the Principles of Clinical Research and Clinical Trials and be able to perform basic statistical analysis of data and interpretation of published results
- Develop Computer skills and use Available Resources
- Have a basic CPR (BCLS) Certification

- Repair Umbilical and inguinal hernias*
- Perform Flexible Endoscopy of Upper/Lower GI Tract*
- Perform Extremity Amputations*
- Draw Arterial Blood Samples
- Place Arterial Blood Pressure Monitoring Lines*
- Insert* and Manage Gastrostomy and Jejunostomy feeding tubes
- Remove Superficial Foreign Bodies
- Perform Appendectomies*
- Perform Laser Vaporization of superficial lesions*

During Urology Rotations during the PGY-1, the following additional procedures indicated by * may be done under supervision:

- Clamp & Surgical Circumcision*
- Rigid & Flexible Cystoscopy *
- Endoscopic Cold Cup Bladder Biopsy*
- Retrograde Pyelography & Placement of Ureteral Stents*
- Percutaneous Suprapubic Cystostomy Placement *
- Transrectal Ultrasound Guided Prostate Needle Biopsy *

	<ul style="list-style-type: none">• Extracorporeal Shock Wave Lithotripsy (ESWL)*• Pharmacologic Erection Therapy*• Dilation of Urethral Strictures with Sounds or Balloons*• Sclerotherapy for Hydrocele*
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LSUHSC-Shreveport

Major Participating Institutions- LSU University Hospital (Parent Institution), Overton Brooks Veterans Affairs Medical Center, and Willis Knighton Medical Center

Resident Levels of Care

Urology

Resident Level: PGY 2 - First Year Urology

Clinical Non-Invasive
Diagnosis and Management

Invasive
Operative Management
* Supervision Required

Expand Knowledge and Skills gained in previous years. Plus:

- Demonstrate ability to transilluminate scrotal masses
- Recognize Abdominal/Flank Bruits and their causes
- Palpate an enlarged bladder and list possible causes
- Recognize the following Penile abnormalities: Phimosis & Paraphimosis, Balanoposthitis, Penile Cancer, Meatal Stenosis & Megameatus, Hypospadias, Epispadias, Priapism, Condylomata, Herpetic or Syphilitic Lesions, Urethral Discharge, Peyronnies Plaque, Presence of Prosthesis
- Identify the following Scrotal abnormalities: Scrotal Wall Infection or Malignancy, Varicocele, Sebaceous Cysts, Edema, Elephantiasis, Inguinal Hernia, Cryptorchid Testis, Orchitis/ Epididymitis, Torsion, Atrophy, Paratesticular Mass or Abnormality, Inflatable Prosthesis Components, Sperm Granuloma or other Vas Deferens Anomaly, Hydrocele or Spermatocele.
- Identify the following: Vaginal/Introital Abnormalities, Stenosis, Prolapse, Vulvar Lesions (Benign, Inflammatory, & Malignant), and Cervical, Uterine, & Adnexal Anomalies
- Understand DRE Findings: Sphincter Tone, Anal-Sacral Reflexes, Perineal Sensation, Hemorrhoids, Perirectal Abscess or Fistula, Polyps or Cancer. Size & Consistency of Prostate, Enlarged or Indurated Seminal Vesicles

Expand Surgical Skills learned during previous year. Serve as Teaching Resident for PGY-1's. Plus:

- Clamp and Surgical Circumcision
- Rigid & Flexible Cystoscopy
- Endoscopic Cold Cup Bladder Biopsy
- Retrograde Pyelography & Placement of Ureteral Stents
- Percutaneous Suprapubic Cystostomy Placement
- Transrectal Ultrasound Guided Prostate Needle Biopsy
- Percutaneous U/S Guided Renal Needle Biopsy*
- Percutaneous Nephrostomy Tube Placement*
- Transurethral Resection of Bladder Tumors*
- Transurethral Resection of Prostate*
- Transurethral Microwave Thermotherapy for BPH *
- Reduction of Testis Torsion & Contralateral Orchidopexy *
- Simple Orchiectomy (Unilateral or Bilateral)*
- Radical Orchiectomy for Cancer *
- Pharmacologic Erection Therapy
- Percutaneous & Open Penile Shunts for Priapism *
- Dilation of Urethral Strictures with Sounds or Balloons
- Vasectomy for Elective Sterilization*

Resident Levels of Care

Urology

Resident Level: PGY 3- 2nd Year Urology

<p>Clinical Non-Invasive Diagnosis and Management</p>	<p>Invasive Operative Management * Supervision Required</p>
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Expand Knowledge and Skills gained in previous years.

Expand Surgical Skills learned during previous years. Serve as Teaching Resident for PGY-1`s & PGY-2`s. Plus:

- Repair of Genitalia;Complex*
- Closure of Evisceration/Dehiscence; Complicated*
- Transfer of Pedicle Flap*
- Removal of foreign body; Deep or Complicated*
- Lymphadenectomy: Ilioinguinal, pelvic & retroperitoneal*
- Feeding jejunostomy*
- Enteroenterostomy, anastomosis of intestine*
- Colectomy, partial*
- Colostomy; loop or end*
- Wedge Biopsy of liver*
- Drainage of Retroperitoneal Abscess, open or percutaneous*
- Renal exploration & drainage of blood, pus or urine*
- Open Renal Biopsy*
- Nephrectomy, simple, including any approach*
- Pyeloplasty or endopyelotomy*
- Renal endoscopy*
- Ureterotomy*
- Ureterolithotomy*
- Excision of urachal cyst or sinus*
- Vesical diverticulectomy*

Resident Levels of Care

Urology

Resident Level: PGY 4 - Third Year Urology

Clinical Non-Invasive Diagnosis and Management	Invasive Operative Management * Supervision Required
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Expand Knowledge and Skills gained in previous years.

Expand Surgical Skills learned during previous years. Serve as Teaching Resident for PGY-1`s & PGY-2`s & PGY-3`s. Plus:

- Revision of ileostomy*
- Closure of enterovesical fistula*
- Closure of rectovesical rectourethral fistula*
- Nephrostomy, nephrotomy, or nephrolithotomy*
- Percutaneous nephrostolithotomy and nephrolithotripsy*
- Pyelotomy*
- Nephrectomy, radical with regional lymphadenectomy*
- Nephroureterectomy*
- Nephrectomy, partial (nephron sparing)*
- Nephrorrhaphy for trauma*
- Closure of nephrocutaneous / nephrovisceral fistula*
- Symphysiotomy for horseshoe kidney*
- Ureterolysis*
- Ureteroplasty*
- Ureterocalycostomy*
- Ureteroureterostomy/Transureteroureterostomy*
- Ureteroneocystostomy*
- Ureteroenterostomy (Urinary conduit - any bowel segment)*
- Cutaneous ureterostomy*
- Cystectomy, partial*
- Cutaneous appendico-vesicostomy

Resident Levels of Care Urology

Resident Level: PGY 5
Fourth Year Urology - Chief Resident

Clinical Non-Invasive Diagnosis and Management	Invasive Operative Management * Supervision Required
<p>Expand Knowledge and Skills gained in previous years.</p> <ul style="list-style-type: none"> • Obtain competence in the Six Clinical Competencies [Patient Care, Medical Knowledge, Practice-based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, and Systems-based Practice] to the level expected of a new practitioner • Recognize the value of Simulated Patient Exercises as an evaluation tool in the assessment of clinical competence of more junior residents and be willing to role-play in such educational programs to assist in the training and assessment of fellow residents • Selection of optimal operative approaches for correction of urologic abnormalities from among various options (i.e., open, laparoscopic, robotic-assisted laparoscopic, cryo-ablative, etc.) and be able to discuss relative risks and possible benefits of each. 	<p>Expand Surgical Skills learned during previous years. Serve as Teaching Resident for PGY-1`s & PGY-2`s & PGY-3`s & PGY-4`s. Plus:</p> <ul style="list-style-type: none"> • Vena Caval Thrombectomy* • Renovascular Surgery* • Continent Urinary Diversion* • Neobladder reconstruction* • Urinary undiversion* • Cystectomy / Cystoprostatectomy* • Pelvic exenteration* • Closure of bladder extrophy* • Correction/repair of Hypospadias complications* • Intersex surgery (male>female or female>male)* • Renal autotransplantation* • Major / complex urinary reconstruction*

Resident Levels of Care Urology

Resident Level: PGY-6
Urology Fellow in Male Sexual Health and Erectile Dysfunction

Clinical Non-Invasive Diagnosis and Management	Invasive Operative Management * Supervision Required
<p>Expand Knowledge and Skills gained in previous years.</p> <ul style="list-style-type: none"> • Obtain competence in the Six Clinical Competencies [Patient Care, Medical Knowledge, Practice-based Learning and Improvement, Interpersonal and Communication Skills, Professionalism, and Systems-based Practice] to the level expected of a new practitioner • Recognize the value of Simulated Patient Exercises as an evaluation tool in the assessment of clinical competence of core urology residents and be willing to role-play in such educational programs to assist in the training and assessment of urology residents in core residency program • Acquire an understanding of the classification and evaluation of erectile dysfunction; • knowledge of the indications, techniques, and complications of radiographic evaluation of the 	<p>Expand Diagnostic and Surgical Skills learned during urology residency years. Serve as Teaching Resident for PGY-1`s & PGY-2`s & PGY-3`s & PGY-4`s & PGY-5`s. Plus:</p> <ul style="list-style-type: none"> • Doppler ultrasound evaluation of the male genitalia, including penile arteries. • Dynamic infusion cavernosography and cavernosometry. • Penile reconstruction using a variety of autologous and non-autologous materials. • Techniques for implantation of the complicated penile prosthesis and revision. • Implantation of male semi-rigid penile prostheses • Implantation of male inflatable penile prostheses • Removal/Explantation of malfunctioning male penile prostheses • Revision of male penile prostheses • Salvage/Washout of Infected penile prostheses* • Implantation, Revision or Removal of Artificial Urinary Sphincter • Major / complex male genital

<p>arterial supply of the penis;</p> <ul style="list-style-type: none">• Demonstrate the ability to counsel patients on treatment options for therapy for erectile dysfunction and sexual health abnormalities;• Perform an evaluation of erectile dysfunction and sexual dysfunction in an office-based setting;• Demonstrate an understanding of the indications, complications, techniques, results and biology of erectile dysfunction treatments;• an understanding of the indications, results and basic biology of localized and systemic treatments for sexual dysfunction; and• Gain an understanding of the biology, evaluation and treatment of local therapies to the penis. <p>In addition, individuals completing this mini-fellowship training program will be able to:</p> <ul style="list-style-type: none">• evaluate the clinical and research literature on erectile dysfunction and sexual health in a critical fashion and make contributions to the field;• teach residents and other clinicians on topics in the domain of erectile dysfunction and sexual health; and• participate in, or organize, a multidisciplinary approach to erectile dysfunction and male sexual health care. <p>Additional Knowledge Base Components</p>	<p>reconstruction*</p>
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- Evaluation and management of erectile function and dysfunction.
- Erectile dysfunction risk assessment.
- Screening and diagnostic radiographic and ultrasound techniques.
- Natural history and pathology of erectile dysfunction and male sexual health.
- Selection of local therapy, contraindications and expected outcomes in treatment of erectile dysfunction and sexual health.
- Consequences of systemic treatments on erectile function.
- Effect of systemic chemotherapy and endocrine therapy on reproductive health and sexual health.
- Preoperative workup and postoperative management of surgical patients with sexual dysfunction.
- Psychosocial and medicolegal aspects of erectile dysfunction and sexual health.