

## **Elective Urology Rotation Information and Instructional Objectives**

### **Instructor of Record for Elective Urology Rotation:**

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### **Elective Urology Clinical Rotation Topics**

#### **Endocrine System**

Syndrome of inappropriate antidiuretic hormone secretion (SIADH)

#### **Genitourinary System (Male and Female)**

Bladder disorders: Incontinence, Overactive bladder, Prolapse

Congenital and acquired abnormalities: Cryptorchidism, Peyronie disease, Trauma, Vesicoureteral reflux

Human sexuality

Infectious disorders: Cystitis, Epididymitis, Orchitis, Prostatitis, Pyelonephritis, Urethritis

Neoplasms: Bladder cancer, Penile cancer, Prostate cancer, Testicular cancer

Nephrolithiasis/urolithiasis

Penile disorders: Erectile dysfunction, Hypospadias/epispadias, Paraphimosis/phimosis

Prostate disorders: Benign prostatic hyperplasia

Testicular disorders: Hydrocele/varicocele, Testicular torsion

Urethral disorders: Prolapse, Stricture

#### **Infectious Diseases**

Bacterial diseases: Chlamydia, Gonococcal infections, Gonorrhea, Methicillin-resistant Staphylococcus aureus infection

Fungal diseases: Candidiasis, Cryptococcosis, Histoplasmosis, Pneumocystis

Sepsis/systemic inflammatory response syndrome

#### **Renal System**

Acute disorders: Glomerulonephritis, Nephrotic syndrome, Pyelonephritis

Acute kidney injury (acute renal failure)

Chronic kidney disease

Congenital or structural renal disorders: Horseshoe kidney, Hydronephrosis, Polycystic kidney disease, Renal vascular disease

End-stage renal disease

Fluid and electrolyte disorders: Acid-base disorders, Dehydration, Hyperkalemia/hypokalemia, Hypervolemia, Hyponatremia

Neoplasms: Renal cell carcinoma, Wilms tumor

## Elective Urology Rotation Learning Outcomes

Upon completion of the elective Urology clinical rotation,

1. Students will demonstrate medical knowledge of the pathophysiology, etiology, epidemiology, patient presentation, differential diagnosis, diagnostic work-up, patient management, health promotion, and disease prevention for common conditions (listed in Urology Clinical Rotation Topics above) encountered in Urology for patients seeking medical care for the following age populations: infants, children, adolescents, adults and/or elderly.
2. Students will elicit a detailed and accurate patient history, perform an appropriate physical examination, appropriately use and interpret diagnostic testing and laboratory studies, and formulate differential diagnoses and assessment plans for symptoms/conditions (listed in Urology Clinical Rotation Topics above) commonly encountered in patients seeking acute Urology, chronic Urology, preoperative, intraoperative, and/or postoperative care.
3. Students will demonstrate technical skills common to Urology.
4. Students will obtain and document information clearly and appropriately for the following types of patient encounters: (a) acute problem-focused encounters, (b) chronic disease follow-up encounters, (c) preoperative encounters, (d) intraoperative encounters, and/or (e) post-operative encounters.
5. Students will listen empathetically and effectively, communicate clearly, and utilize shared decision-making for patients seeking care in Urology.
6. Students will facilitate difficult health care conversations in Urology.
7. Students will demonstrate compassion, integrity, respect, patient responsiveness, and accountability while providing care to patients in a Urology setting.
8. Students will (a) seek, implement, and accept feedback, (b) reflect on performance and develop plans for self-improvement, and (c) locate, appraise, and integrate evidence-based studies related to Urology.
9. Students will (a) promote a safe environment for patients seeking care in a Urology setting, (b) demonstrate knowledge of quality improvement methodologies and metrics, (c) recognize the unique role of PAs and other health professions in Urology, (d) work effectively with other health professionals to provide collaborative, patient centered urological care, (e) work effectively in an outpatient and/or inpatient health delivery settings, (f) incorporate considerations of cost awareness and funding into patients seeking care in an Urology setting, and (g) describe basic health payment systems and practice models for Urology.

## Elective Urology Instructional Objectives

Upon completion of the elective Urology clinical rotation,

1. **Elective Urology Rotation Learning Outcome #1:** Students will demonstrate medical knowledge of the pathophysiology, etiology, epidemiology, patient presentation, differential diagnosis, diagnostic work-up, patient management, health promotion, and disease prevention for common conditions (listed in Urology Clinical Rotation Topics above) encountered in Urology for patients seeking medical care for the following age populations: infants, children, adolescents, adults and/or elderly.
  - **Urology instructional objective:** Evaluate the common disease process found in **Urology** using suggested readings and course study guide. (MK-PLO2)

- **Urology instructional objective:** Identify the etiology, pathophysiology, and clinical presentation of conditions listed in the clinical topics for this rotation. (MK-PLO3)
  - **Urology Rotation instructional objective:** Select appropriate treatment plans for patients using all pertinent medical data, including history, physical examination, and diagnostic data, under the preceptor's supervision. (MK-PLO3)
  - **Urology Rotation instructional objective:** Identify medications commonly used in **Urology**, including the indication, contraindication, mechanism of action, most common side effects, and appropriate dosage for age. (MK-PLO2)
  - **Urology instructional objective:** Contrast possible risks and benefits of diagnostic studies and treatment plans. (MK-PLO3)
  - **Urology instructional objective:** Recommend appropriate screening tests and immunizations based on current standards. (MK-PLO3)
  - **Urology instructional objective:** Contrast the risks and benefits of procedures that must be performed on your patient. (MK PLO-3)
  - **Urology instructional objective:** Interpret and apply setting appropriate healthcare guidelines. (MK PLO-3)
2. **Elective Urology Rotation Learning Outcome #2:** Students will elicit a detailed and accurate patient history, perform an appropriate physical examination, appropriately use and interpret diagnostic testing and laboratory studies, and formulate differential diagnoses and assessment plans for symptoms/conditions (listed in Urology Clinical Rotation Topics above) commonly encountered in patients seeking acute urology, chronic urology, preoperative, intraoperative, and/or postoperative care.
- **Urology instructional objective:** Demonstrate an age and setting appropriate history and physical exam for a patient less than 1 year of age. (PC-PLO1, PC-PLO2)
  - **Urology instructional objective:** Demonstrate an age and setting appropriate history and physical exam for a patient 1-10 years of age. (PC-PLO1, PC-PLO2)
  - **Urology instructional objective:** Demonstrate an age and setting appropriate history and physical exam for a patient 11-17 years of age. (PC-PLO1, PC-PLO2)
  - **Urology instructional objective:** Demonstrate an age and setting appropriate history and physical exam for a patient 18-64 years of age. (PC-PLO2)
  - **Urology instructional objective:** Demonstrate an appropriate history and physical exam on a patient greater than 65 years of age. (PC-PLO2)
  - **Urology instructional objective:** Demonstrate an age and setting appropriate expanded history and physical exam on a patient greater than 65 years of age. (PC-PLO2)
  - **Urology instructional objective:** Choose appropriate diagnostic tests to identify an abnormality. (PC-PLO3)
  - **Urology instructional objective:** Interpret diagnostic studies related to the patient's medical condition. (PC-PLO3)
  - **Urology instructional objective:** Formulate an appropriate differential diagnosis based on history, physical examination, and diagnostic study data. (PC-PLO4)

- **Urology instructional objective:** Construct an appropriate treatment plan based on history, physical exam, and diagnostic data. (PC-PLO4)
  - **Urology instructional objective:** Select appropriate preventative exams and screening tests for all infants, children, adolescents, adults, and the elderly. (PC-PLO4)
  - **Urology instructional objective:** Actively participate in the management of acute and chronic patient conditions. (PC- PLO4)
3. **Elective Urology Rotation Learning Outcome #3:** Students will demonstrate technical skills common to Urology.
  4. **Elective Urology Rotation Learning Outcome #4:** Students will obtain and document information clearly and appropriately for the following types of patient encounters: (a) acute problem-focused encounters, (e) chronic disease follow-up encounters, (f) preoperative encounters, (g) intraoperative encounters, and/or (h) post-operative encounters.
  5. **Elective Urology Rotation Learning Outcome #5:** Students will listen empathetically and effectively, communicate clearly, and utilize shared decision-making for patients seeking care in Urology.
    - **Urology instructional objective:** Describe health promotion and disease prevention to your patients. (ICS-PLO3)
    - **Urology instructional objective:** Adapt communication style and information context to the individual patient interaction. (ICS-PLO3)
    - **Urology instructional objective:** Identify communication barriers with different patient populations. (ICS PLO-3)
    - **Urology instructional objective:** Compose an oral case presentation and present it to the preceptor. (ICS-PLO3)
    - **Urology instructional objective:** Explain possible risks and benefits of diagnostic studies and treatment plans to your patient as approved by the supervising provider. (ICS-PLO3)
    - **Urology instructional objective:** Select written patient education handouts to address a health promotion issue using the most up-to-date, evidence-based medical data. (ICS PLO-3)
  6. **Elective Urology Rotation Learning Outcome #6:** Students will facilitate difficult health care conversations in Urology.
  7. **Elective Urology Rotation Learning Outcome #7:** Students will demonstrate compassion, integrity, respect, patient responsiveness, and accountability while providing care to patients in a Urology setting.
    - **Urology instructional objective:** Practice professionally in a working situation with other healthcare team members, including appropriate dress, punctual attendance, and professional attitude. (P-PLO1)

- **Urology instructional objective:** Show sensitivity to the emotional, social, developmental, and ethnic background of patients and their families on their service. (P-PLO1)
  - **Urology instructional objective:** Apply professional attitude in such areas as attendance, dress code, and performance in the medical setting. (P-PLO1)
  - **Urology instructional objective:** Demonstrate sensitivity and responsiveness to patients' culture, gender, age, and disabilities. (P-PLO1)
  - **Urology instructional objective:** Demonstrate motivation and desire to learn. (P-PLO3)
  - **Urology instructional objective:** Demonstrate knowledge of the legal and regulatory requirements of the role of a physician assistant. (P-PLO4)
8. **Elective Urology Rotation Learning Outcome #8:** Students will (a) seek, implement, and accept feedback, (b) reflect on performance and develop plans for self-improvement, and (c) locate, appraise, and integrate evidence-based studies related to Urology.
- **Urology instructional objective:** Demonstrate an openness to receive constructive criticism. (PBLPI-PLO1)
  - **Urology instructional objective:** Recognize limitations and locate assistance from supervising preceptors and appropriate reference material. (PBLPI-PLO1)
  - **Urology instructional objective:** Develop the ability to learn from practice. (PBLPI-PLO2)
  - **Urology instructional objective:** Recognize personal limitations and where to access help personally and professionally. (PBLPI-PL2)
  - **Urology instructional objective:** Interpret independent outside readings concerning medical problems encountered. (PBL PI-PLO3)
  - **Urology instructional objective:** Show ability to understand and apply decision-making tools. (PBL PI PLO-3)
  - **Urology instructional objective:** Recognize the importance of lifelong learning in the medical field. (PBLPI-PLO3)
  - **Urology instructional objective:** Assess medical evidence and communicate it to patients and colleagues. (PBLPI-PL3)
  - **Urology instructional objective:** Apply information technology to access online medical information and continue personal education. (PBLPI-PL3))
  - **Urology instructional objective:** Use medical information technology in decision-making, patient care, and patient education. (PBLPI-PL3)
9. **Elective Urology Rotation Learning Outcome #9:** Students will (a) promote a safe environment for patients seeking care in a Urology setting, (b) demonstrate knowledge of quality improvement methodologies and metrics, (c) recognize the unique role of PAs and other health professions in Urology, (d) work effectively with other health professionals to provide collaborative, patient centered urological care, (e) work effectively in an outpatient and/or inpatient health delivery settings, (f) incorporate considerations of cost awareness and funding into patients seeking care in an Urology setting, and (g) describe basic health payment systems and practice models for Urology.

- **Urology instructional objective:** Operate under the rules of HIPAA to preserve patient confidentiality. (SBP-PLO1)
- **Urology instructional objective:** Practice according to policy and procedures set forth by the health care facility. (SBP-PLO1)
- **Urology instructional objective:** Employ a professional relationship with the supervising providers and other health care team members. (SBP-PLO4)
- **Urology instructional objective:** Identify the obstacles to obtaining medical care for those with financial difficulties. (SBP-PLO6)
- **Urology instructional objective:** Evaluate cost-effective health care and resources that do not compromise the quality of patient care. (SBP-PLO6)
- **Urology instructional objective:** Identify the funding sources and payment systems that provide coverage for the patient. (SBP-PLO7)
- **Urology instructional objective:** Choose the appropriate code for billing the responsible payment service under the direct supervision of the preceptor. (SBP-PLO7)

**Elective Urology Rotation Curriculum Integration Table**

<b>Elective Urology Rotation Learning Outcome</b>	<b>Assessment Method (Benchmark Requirements)</b>	<b>PAS Program Goal</b>	<b>PAS Program Learning Outcome (ARC-PA)/Student Learning Outcomes (GVSU)</b>
<p>Students will demonstrate medical knowledge of the pathophysiology, etiology, epidemiology, patient presentation, differential diagnosis, diagnostic work-up, patient management, health promotion, and disease prevention for common conditions (listed in Urology Clinical Rotation Topics above) encountered in Urology for patients seeking medical care for the following age populations: infants, children, adolescents, adults and/or elderly.</p>	<p>Preceptor Evaluation (80% average score on Medical Knowledge competency section)</p>	<p>Medical Knowledge and Competence in Patient Care</p>	<p>MK #2 MK #3</p>
<p>Students will elicit a detailed and accurate patient history, perform an appropriate physical examination, appropriately use and interpret diagnostic testing and laboratory studies, and formulate differential diagnoses and assessment plans for symptoms/conditions (listed in Urology Clinical Rotation Topics above) commonly encountered in patients seeking acute urology, chronic urology, preoperative, intraoperative, and/or postoperative care.</p>	<p>Preceptor Evaluation (80% average score on Patient competency section)</p>	<p>Medical Knowledge and Competence in Patient Care</p>	<p>PC #1 PC #2 PC #3 PC #4</p>

Students will demonstrate technical skills common to Urology.	Preceptor Evaluation (80% average score on Patient competency section)	Medical Knowledge and Competence in Patient Care	PC #5
	Clinical Skills Checklist (Pass/Fail)		
Students will obtain and document information clearly and appropriately for the following types of patient encounters: (a) acute problem-focused encounters, (b) chronic disease follow-up encounters, (c) preoperative encounters, (d) intraoperative encounters, and/or (e) post-operative encounters.	Preceptor Evaluation (80% average score on Interpersonal and Communication Skills competency section)	Medical Knowledge and Patient Care	ICS#2
Students will listen empathetically and effectively, communicate clearly, and utilize shared decision-making for patients seeking care in Urology.	Preceptor Evaluation (80% average score on Interpersonal and Communication Skills competency section)	Medical Knowledge and Patient Care	ICS #1
		Collaborative Practice	ICS #3 ICS #5
Students will facilitate difficult health care conversations in Urology.	Preceptor Evaluation (80% average score on Interpersonal and Communication Skills competency section)	Collaborative Practice	ICS #4
Students will demonstrate compassion, integrity, respect, patient responsiveness, and accountability while providing care to patients in a Urology setting.	Preceptor Evaluation (80% average score on Professionalism competency section)	Professionalism	P #1 P #2 P #3
Students will (a) seek, implement, and accept feedback, (b) reflect on performance and develop plans for self-improvement, and (c) locate,	Preceptor Evaluation (80% average score on Practice-Based Learning and	Lifelong Learning	PBLPI #1 PBLP #2 PBLP #3



appraise, and integrate evidence-based studies related to Urology.	Proficiency Improvement competency section)		
Students will (a) promote a safe environment for patients seeking care in a Urology setting, (b) demonstrate knowledge of quality improvement methodologies and metrics, (c) recognize the unique role of PAs and other health professions in Urology(d) work effectively with other health professionals to provide collaborative, patient centered urological care, (e) work effectively in an outpatient and/or inpatient health delivery settings, (f) incorporate considerations of cost awareness and funding into patients seeking care in an Urology setting, and (g) describe basic health payment systems and practice models for Urology.	Preceptor Evaluation (80% average score on Systems-Based Practice competency section)	Medical Knowledge and Patient Care	SBP #1 SBP #6
		Lifelong Learning	SBP #2
		Collaborative Practice	SBP #3 SBP #4 SBP #5 SBP #7

## Elective Urology Preceptor Evaluation of the Student

1. What is your group and/or site name (i.e., Corwell Health Urology- Grand Rapids)
2. Medical Knowledge: This section evaluates the student's ability to demonstrate medical knowledge, clinical reasoning, and problem-solving ability of sufficient breadth and depth to practice medicine as an entry-level physician assistant

	60% (Failing)	70% (D+/ C-)	80% (C+ / B)	90% (B+/ A-)	100% (A)	N/A
Student demonstrates medical knowledge in pathophysiology, etiology, and epidemiology for patients seeking medical care for common conditions encountered in urology in the following age populations (MK#2, 3):						
Infants						
Children						
Adolescents						
Adults						
Elderly						
Student demonstrates medical knowledge of patient presentations for common conditions encountered in urology for the following age populations (MK#2,3):						
Infants						
Children						
Adolescents						
Adults						
Elderly						
Student demonstrates medical knowledge of differential diagnosis and diagnostic work-up for patients seeking medical care for common conditions encountered in urology in the following age populations (MK#2,3)						
Infants						
Children						
Adolescents						
Adults						
Elderly						
Student demonstrates medical knowledge of patient management strategies for patients seeking medical care for common conditions encountered in urology in the following age populations (MK#2,3):						
Infants						
Children						
Adolescents						
Adults						
Elderly						
Student demonstrates medical knowledge of health promotion and disease prevention for patients seeking medical care for common conditions encountered in urology in the following age populations (MK#2, 3)						
Infants						
Children						

Adolescents						
Adults						
Elderly						
Additional Comments:						

3. Patient Care: This section evaluates the student's ability to provide person-centered care that includes patient- and setting-specific assessment, evaluation, management, and health promotion.

	60% (Failing)	70% (D+/ C-)	80% (C+/ B)	90% (B+/ A-)	100% (A)	N/A
Elicit a detailed and accurate history and perform an appropriate physical examination for the following populations encountered in urology (PC#1)						
Infants						
Children						
Adolescents						
Adults						
Elderly						
Elicit a detailed and accurate patient history for patients encountered in Urology seeking (PC#1):						
Acute care						
Chronic care						
Preoperative care						
Intraoperative care						
Postoperative care						
Perform appropriate physical examination for patients encountered in Urology seeking (PC#2):						
Acute care						
Chronic care						
Preoperative care						
Intraoperative care						
Postoperative care						
Student demonstrates knowledge of the appropriate use and interpretation of diagnostic testing and laboratory studies commonly used for patients seeking (PC#3):						
Acute care						
Chronic care						
Preoperative care						
Intraoperative care						
Postoperative care						
Student organizes information from the interview, diagnostic testing, and physical examination to formulate differential diagnoses for patients seeking (PC#4):						
Acute care						
Chronic care						
Preoperative care						
Intraoperative care						

Postoperative care						
Student organizes information from the interview, diagnostic testing, and physical examination to formulate assessment plans for symptoms/conditions commonly encountered in patients seeking (PC#4):						
Acute care						
Chronic care						
Preoperative care						
Intraoperative care						
Postoperative care						
Demonstrate basic technical skills common to Urology. (PC#5):						
Additional Comments:						

4. Interpersonal and Communication Skills: This section evaluates the student's ability to demonstrate verbal and non-verbal communication skills needed to have respectful, compassionate, and effective conversations with patients, patients' families, and health professionals to exchange information and make medical decisions.

	60% (Failing)	70% (D+/ C-)	80% (C+/ B)	90% (B+/ A-)	100% (A)	N/A
Listen empathetically and effectively to patients seeking care in Urology (ICS#1)						
Obtain and document information clearly and accurately at an appropriate level the following types of patient encounters (ICS#2):						
Acute problem-focused encounters						
Chronic disease follow-up encounters						
Preoperative encounters						
Intraoperative encounters						
Post-operative encounters						
Communicate information clearly to patients, families, colleagues, and teams as appropriate across a broad range of socioeconomic and cultural Urology (ICS#3)						
Facilitate difficult health care conversations in Urology (ICS#4):						
Utilize shared-decision making to promote patient-centered communication by eliciting and						

incorporating patient preferences (ICS#5)						
Additional Comments:						

5. Professionalism: This section evaluates the student’s ability to demonstrate commitment to carrying out professional responsibilities and adhering to ethical principles and practices.

	60% (Failing)	70% (D+/ C-)	80% (C+/ B)	90% (B+/ A-)	100% (A)	N/A
Demonstrate compassion, integrity, and respect for patients seeking care in a Urology setting (P#1)						
Demonstrate responsiveness to patient needs that supersede self-interest while providing care in a urology setting (P#2)						
Show accountability to patients, society, and the profession while providing care in a Urology setting (P#3)						
Demonstrate leadership and advocacy for the PA profession (P#4)						
Additional Comments:						

6. Practice-Based Learning and Proficiency Improvement: This section evaluates the student’s ability to acquire, appraise, and apply evidence-based medicine to patient care, and accurately assess and improve clinical performance based on constant self-evaluation and lifelong learning.

	60% (Failing)	70% (D+/ C-)	80% (C+/ B)	90% (B+/ A-)	100% (A)	N/A
Seek, implement, and accept feedback (PBLPI#1)						
Reflect on performance to identify strengths and deficiencies in one’s knowledge and expertise and develop a plan for self-improvement (PBLPI#2)						
Locate, appraise, and integrate evidence-based studies related to Urology (PBLPI#3)						
Additional Comments:						

7. Systems-Based Practice: This section evaluates the student's ability to engage with other healthcare professionals in a manner that optimizes patient care within the context of the larger healthcare system.

	60% (Failing)	70% (D+/ C-)	80% (C+/ B)	90% (B+/ A-)	100% (A)	N/A
Promote a safe environment for patients seeking care in a Urology setting (SBP#1)						
Demonstrate knowledge of quality improvement methodologies and metrics in Urology (SBP#2)						
Recognize the unique roles of PAs and those of other healthcare professions in Urology (SBP#3)						
Work effectively with other health professionals to provide collaborative, patient centered urological care, (SBP#4)						
Work effectively in an outpatient and/or inpatient health delivery setting (SBP#5)						
Incorporate considerations of cost awareness and funding sources into patients seeking care in a Urology setting (SBP#6)						
Describe basic health payment systems and practice models for Urology (SBP#7)						
Additional Comments:						

8. Did the student have any absences during the rotation?
- Yes
  - No
  - If yes, please indicate dates and reason for absence:
9. Please write a short note commenting on this student's particular strengths.
10. Please write a short note commenting on this student's particular areas for improvement.
11. Was this evaluation discussed with the student?
- Yes
  - No
  - Additional comments:
12. Preceptor Signature: