

## **NURSING 102: NURSING CARE OF ADULTS**

### **URINARY UNIT: NURSING CARE OF THE INDIVIDUAL WITH DISORDERS OF THE URINARY SYSTEM**

#### **UNIT OBJECTIVES**

##### **AT THE COMPLETION OF THE UNIT, THE STUDENT:**

1. Relates the normal anatomy and physiology of the urinary system.
2. Explains the importance of normal functioning of the urinary system to the maintenance of life.
3. Explains the interrelationships of the urinary system to other body systems.
4. Differentiates normal from abnormal characteristics of nursing assessment for the urinary system.
5. Explains the purpose, significance, results, and nursing responsibilities of diagnostic studies for the urinary system.
6. Describes the etiology, clinical manifestations, complications, and nursing responsibilities for the patient with disorders of the urethra, bladder, ureters, and kidneys.
7. Discusses the usual medical, surgical, and nursing management of patients with disorders of the urethra, bladder, ureters, and kidneys.
8. Implements therapeutic nursing care, using the nursing process and critical thinking skills, for patients with disorders of the urinary system.
9. Utilizes communication skills when delivering nursing care to patients with disorders of the urinary system.
10. Identifies the psychosocial needs of the patient with a disorder of the urinary system.
11. Teaches patients about their urinary disorders.
12. Relates knowledge of community resources available to assist the patient with disorders of the urinary system.
13. Discuss clinical manifestations related to specific age-related physiologic changes.
14. Describes common problems of older adults and the role of the nurse in assisting them with selected care problems.
15. Identifies evidence-based practice/best practice standards related to nursing care for patients with disorders of the urinary system.
16. Demonstrates accountability when providing nursing care for patients with disorders of the urinary system.

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p><b>Unit I: Nursing Care of the Individual with Disturbances of the Urinary System</b></p> <p>Theory: 12.0 Clinical: 4.0</p> <p>I. Introduction</p> <ul style="list-style-type: none"> <li>A. Importance of Renal System to Maintenance of Life</li> <li>B. Relation of Renal System to other Body Systems</li> </ul> <p>II. Review of Normal Anatomy &amp; Physiology of the Urinary System</p> <ul style="list-style-type: none"> <li>A. Kidneys <ul style="list-style-type: none"> <li>1. Structure</li> <li>2. Function</li> <li>3. Physiology of urine formation</li> <li>4. Regulation of fluids and electrolytes</li> <li>5. Regulation of acid-base balance</li> <li>6. Regulation of blood pressure</li> <li>7. Renal functions related to metabolic and endocrine functions</li> </ul> </li> <li>B. Ureters</li> <li>C. Bladder</li> <li>D. Urethra</li> </ul> <p>III. Assessment of Urinary System Function</p> <ul style="list-style-type: none"> <li>A. History and Physical</li> <li>B. Diagnostic Studies <ul style="list-style-type: none"> <li>1. Laboratory studies</li> <li>2. Radiographic studies</li> <li>3. Endoscopic studies</li> </ul> </li> <li>C. Geriatric Considerations</li> </ul>	<p>Lecture PowerPoint Discussion Handouts Classroom Participation</p> <p>Interactive Lecture</p> <p>Video Learning: Biology of the Urinary System; RAAS</p> <p>Game-Based Learning: Kahoot</p> <p>Cooperative and Collaborative Learning: ABG Interpretation Activity</p> <p>Interactive Learning: Practice NCLEX questions</p> <p>Interactive Learning: Response Questions; Practice NCLEX questions</p> <p>Game-Based Learning: Kahoot</p>	<p>Required Readings Plan and care for the patient with urinary disorders when available Observe patient in dialysis when available Pre and Post Conference ATI Real Life Clinical: UTI</p> <p>Class Preparation: Urinary Terms Matching Game</p> <p>Lewis: Chapter 49 (pp 1434-1449)</p>	<p>Class Preparation Quiz Unit Exam Concept Maps Clinical Evaluation Final Exam</p>

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>IV. Nursing Care of the Patient with an Alteration in Urinary Elimination</p> <ul style="list-style-type: none"> <li>A. Urinary drainage</li> <li>B. Urinary retention</li> <li>C. Urinary incontinence</li> </ul> <p>V. Nursing Care of the Patient with Renal Failure</p> <ul style="list-style-type: none"> <li>A. Acute Kidney Injury</li> <li>B. Chronic Kidney Disease</li> <li>C. Dialysis</li> <li>D. Renal Transplant</li> </ul> <p>VI. Nursing Care of the Patient with Urinary Disorders/Cancer of the Urinary System</p> <ul style="list-style-type: none"> <li>A. Bladder cancer</li> <li>B. Kidney cancer</li> </ul> <p>VII. Nursing Care of the Patient with Inflammatory Disorders of the Urinary System</p> <ul style="list-style-type: none"> <li>A. Urethritis</li> <li>B. Cystitis</li> <li>C. Acute Pyelonephritis</li> <li>D. Chronic Pyelonephritis</li> <li>E. Renal Tuberculosis</li> <li>F. Acute Glomerulonephritis</li> <li>G. Chronic Glomerulonephritis</li> </ul>	<p>Art-based learning: CAUTI prevention song; UTI song</p> <p>Video-Based Learning: Stress Incontinence v Overactive Bladder.</p> <p>Hands-on learning: Foley catheter types and sizes</p> <p>Unfolding case study: Urinary retention</p> <p>Art-based learning: Dialysis Song</p> <p>Unfolding Case Study AKI</p> <p>Video-Based Learning: Sepsis; Glomerulonephritis</p> <p>Game-Based Learning: Kahoot</p> <p>Hands-on Learning: Urinary Diversion Equipment, dialysis filters</p> <p>Guest Speaker: W. Alfred</p> <p>Video-Based Learning: Polycystic Kidney Disease; Bladder CA; AV fistulas</p>	<p>Lewis: Chapter 50</p> <p>Class Prep: NCLEX Practice Questions; Lab interpretation AKI v CKD</p> <p>Class Prep: AKI NCLEX Practice Questions, Urinary lab value interpretation</p> <p>Lewis: Chapter 51</p> <p>ATI: Engage Adult Medical Surgical RN: Alterations in Kidney Function and Elimination</p>	

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<p>VIII. Nursing Care of the Patient with Obstructive Disorders of the Urinary System</p> <ul style="list-style-type: none"> <li>A. Hydronephrosis</li> <li>B. Urethral Stricture</li> <li>C. Renal Calculi</li> <li>D. Conditions of the prostate               <ul style="list-style-type: none"> <li>1. Prostatitis</li> <li>2. Benign prostatic hypertrophy (BPH)</li> <li>3. Carcinoma</li> </ul> </li> </ul> <p>IX. Nursing Care of the Patient with Vascular Disorders</p> <ul style="list-style-type: none"> <li>A. Renal Artery Stenosis</li> <li>B. Nephrosclerosis</li> <li>C. Diabetic Nephropathy</li> </ul> <p>X. Nursing Care of the Patient with Surgery of the Urinary System</p> <ul style="list-style-type: none"> <li>A. Kidney</li> <li>B. Bladder</li> <li>C. Ureters</li> <li>D. Urinary Diversion</li> </ul>	<p>Hands-on Learning: filiform sizes and types; CBI</p> <p>Game Based Learning: Kahoot</p> <p>Cooperative and Collaborative Learning: Unfolding Case Studies</p> <p>Game Based Learning: Kahoot, Headbands</p>	<p>Class Prep: Elsevier Review Questions</p>	