

NURSING 102: NURSING CARE OF ADULTS

UNIT IV: 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 the kidneys.
7. Discusses the usual medical, surgical, and nursing management of patients with disorders of the urethra, bladder, ureters, and the 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. Discusses 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 STRATEGY	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHOD
<p>Unit III: Nursing Care of the Individual with Disturbances of the Urinary System</p> <p>I. Introduction</p> <p>A. Importance of Renal System to Maintenance of Life</p> <p>B. Relation of Renal System to other Body Systems</p> <p>II. Review of Normal Anatomy & Physiology of the Urinary System</p> <p>A. Kidneys</p> <ol style="list-style-type: none"> 1. Macroscopic structure 2. Microscopic structure 3. Physiology of urine formation 4. Regulation of fluids and electrolytes 5. Regulation of acid base balance 6. Regulation of blood pressure 7. Renal functions related to metabolic and endocrine functions <p>B. Ureters</p> <p>C. Bladder</p> <p>D. Urethra</p> <p>III. Assessment of Urinary System Function</p> <p>A. History and Physical</p> <p>B. Diagnostic Studies</p> <ol style="list-style-type: none"> 1. Laboratory studies 	<p>12 T 2.5 C</p>	<p>Lecture PowerPoint, Handouts NCLEX-Style Questions Discussion Case Studies Clinical pre and post-conference Plan and give nursing care to patients with disorders of the urinary system as available. Required readings Clinical Objectives Observe dialysis as assigned Handouts: Vocabulary</p> <p>Independent A&P Review</p> <p>Class Preparation: Urinary A&P and Vocabulary</p>	<p>ATI Engage Fundamentals RN: Elimination - <i>Diagnostic Tests Related to Elimination and the Nurse's Role</i></p>	<p>Class Participation / Preparation Quiz Unit Exam Concept Maps Clinical Evaluation Final Exam</p>

CONTENT	HOURS	TEACHING STRATEGY	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHOD
<p>2. Radiographic studies 3. Endoscopic studies C. Geriatric Considerations</p> <p>IV. Nursing Care of the Patient with an Alteration in Urinary Elimination A. Urinary drainage B. Urinary retention C. Urinary incontinence</p> <p>V. Nursing Care of the Patient with Inflammatory Disorders of the Urinary System A. Urethritis B. Cystitis C. Acute Pyelonephritis D. Chronic Pyelonephritis E. Renal Tuberculosis F. Acute Glomerulonephritis G. Chronic Glomerulonephritis</p> <p>VI. Nursing Care of the Patient with Obstructive Disorders of the Urinary System A. Hydronephrosis B. Urethral Stricture C. Renal Calculi D. Conditions of the prostate 1. Prostatitis 2. Benign prostatic hypertrophy (BPH) 3. Carcinoma</p> <p>VII. Nursing Care of the Patient with Vascular Disorders A. Renal Artery Stenosis B. Nephrosclerosis C. Diabetic Nephropathy</p> <p>VIII. Nursing Care of the Patient with Cancer of the Urinary System A. Bladder cancer B. Kidney cancer</p>		<p>Game-Based Learning: Matching Diagnostics</p> <p>Independent Study: PowerPoint and outline</p> <p>Display: Foley Catheters types and sizes Display: Filiforms, followers, Sounds Visual-based Active Learning: Lithotripsy (ESWL) Display: CBI Setup Handout: CBI Case Study Analysis: BPH</p> <p>Independent Study: Voiced-over PowerPoint and outline In-class review and table</p>	<p>ATI Engage Fundamentals RN: Elimination - <i>Alterations in Elimination Patterns</i></p> <p>ATI Real Life Scenario: UTI</p> <p>ALT: UTI</p> <p>ATI Pharm Made Easy: The Reproductive & Genitourinary Systems - Male - <i>Drug therapy for BPH</i></p>	

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<p>IX. Nursing Care of the Patient with Surgery of the Urinary System</p> <ul style="list-style-type: none"> A. Kidney B. Bladder C. Ureters D. Urinary Diversion <p>X. Nursing Care of the Patient with Renal Failure</p> <ul style="list-style-type: none"> A. Acute Kidney Injury B. Chronic Kidney Disease C. Dialysis D. Renal Transplant 		<p>Interactive Lecture: Guest Speaker-Ileal Conduit</p> <p>Display: Urinary Diversion Equipment</p> <p>Acute Kidney Injury Reference Table</p> <p>Class Preparation: CKD Assessments (x3 body systems and assessments)</p> <p>Cooperative and Collaborative Learning: body systems and clinical manifestations with rationale.</p>	<p>ATI Engage Fundamentals RN: Elimination - <i>Diversions to Manage Altered Elimination</i></p>	