



COURSE CONTENT

PART I

Unit IV

Unit Objectives

Upon completion of Unit IV, the student will:

1. Apply nursing process to deliver care based on current trends and evidenced-based practice for patient experiencing with alterations in fluids and electrolytes, neurological, rest and activity.
2. Identify scientific rationales guiding care plans for patients experiencing alterations in fluids and electrolytes, neurological, rest and activity
3. Perform intermediate nursing skills with minimal supervision: wound care, cast care, traction, PCA pump, intravenous therapy, chest and physical therapy and suctioning.
4. Identify psychosocial and cultural factors, which prevent the patient from maintaining wellness for patients experiencing alterations in fluids and electrolytes, neurological, rest and activity
5. Develop a teaching plan based on learning needs for patients experiencing alterations in fluids and electrolytes, neurological, rest and activity
6. Collaborate with interdisciplinary team members for discharge planning and appropriate community referrals for patients experiencing in fluids and electrolytes, neurological, rest and activity
7. Utilize critical thinking to prioritize care for patients experiencing alterations in fluids and electrolytes, neurological, rest and activity
8. Demonstrate professional behaviors in the clinical setting for patients experiencing alterations in fluids and electrolytes, neurological, rest and activity
9. Apply ethical and legal principles in the care of patients experiencing alterations in fluids and electrolytes, neurological, rest and activity
10. Distinguish between therapeutic and non-therapeutic communication for patients experiencing alterations in fluids and electrolytes, neurological, rest and activity

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
Smeltzer, Ch. 14.	Unit IV Alterations in Fluids and Electrolytes, Neurology And Rest and Activity A. Alterations in Fluids and Electrolytes 1. Pathophysiology a. Fluid Balance and Imbalance b. Extracellular Fluid Volume Excess c. Extracellular Fluid Volume Deficit d. Extracellular Fluid Volume Shift e. Intracellular Fluid Volume Excess f. Intracellular Fluid Volume	<u>VHS</u> 1. Fluids and Electrolytes Video and Workbook 2. Lab Values: Implications for Nursing Care <u>Computer</u> 1. Acid Base Balance & Imbalance (Nursing Fundamentals Icon) 2. Body Fluids Imbalance	Satisfactory demonstration of the following skills: 1. Cast Care 2. Traction	1. Perform assessments for patients with alterations with fluids and electro- lytes, neurological and musculoskeletal systems.

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<p>Smeltzer, Ch. 60-62.</p> <p>Hogstel, Ch. 18.</p> <p>Cohen, Ch. 17.</p>	<ul style="list-style-type: none"> g. Electrolyte Balance and Imbalance <ul style="list-style-type: none"> i) Sodium ii) Potassium iii) Chloride iv) Magnesium v) Calcium vi) Phosphorous h. Acid Base Balance & Imbalance <ul style="list-style-type: none"> i) Respiratory Acidosis & Alkalosis ii) Metabolic Acidosis & Alkalosis 2. Assessment of factors affecting fluid and electrolytes <ul style="list-style-type: none"> a. Etiology Physical assessment b. Diagnostic tests 3. Nursing diagnosis 4. Planning 5. Implementation <ul style="list-style-type: none"> a. IV therapy b. Oxygen therapy c. Drug therapy d. Health teaching e. Gerontological Nursing f. Measures for alterations in physiologic, self-concept, role function and interdependence modes g. Discharge planning/community resources 6. Evaluation of outcome criteria B. Alteration in Neurology <ul style="list-style-type: none"> 1. Pathophysiology <ul style="list-style-type: none"> a. Alteration in consciousness b. Increased intracranial pressure c. Brain attack-CVA-Thrombolytic d. Types of Aphasia e. TIA f. Alzheimers 2. Assessment of Factors Affecting Neurological Functioning <ul style="list-style-type: none"> a. Etiology b. Physical Assessment c. Diagnostic Tests 1) Electroencephalogram (EEG) 2) CT Scan/MRI 3) Nursing Diagnosis 	<ul style="list-style-type: none"> 3. (Nursing Fundamentals Icon) 4. Body Fluids Balance (Nursing Fundamentals Icon) <p>Electrolyte Imbalance (Nursing Fundamentals Icon)</p> <p><u>Videos</u></p> <ul style="list-style-type: none"> 1. Preventing Complications of Immobility 2. Brain Attack-Advances in Treatment 4 Ischemic Stroke: Acute Care Rehabilitation 5. Identifying Neurologic Deficits 	<ul style="list-style-type: none"> 3. Physical assessment related to fluid and electrolytes, neurological and musculoskeletal systems. 	<ul style="list-style-type: none"> 2. Develop care for patients with alterations in fluid and electrolytes, neurological and musculoskeletal systems.

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Smeltzer, Ch. 66-69.</p> <p>Hogstel. Ch. 17.</p> <p>Cohen. Ch. 19 &20.</p>	<p>4. Planning</p> <p>5. Implementation</p> <ol style="list-style-type: none"> a. Drug therapy b. Surgical management c. Gerontological Nursing d. Measures for alterations in physiologic, self concept, role function and interdependence modes e. Health teaching f. Community resources <p>6. Evaluation of outcome criteria</p> <p>C. Alteration in Rest/Activity</p> <ol style="list-style-type: none"> 1. Pathophysiology <ol style="list-style-type: none"> a. Fractures <ol style="list-style-type: none"> 1) Long Bones 2) Short Bones 3) Pelvic 4) Hip-ORIF 5) External Fixation Devices b. Sport Injury (Overuse Syndrome) <ol style="list-style-type: none"> 1) Strains 2) Sprains 3) Dislocations c. Traction: Skeletal and Skin <ol style="list-style-type: none"> 1) Cast Care d. Osteoporosis e. Back Pain and Herniated Disk 2. Assessment of Factors Affecting Rest/Activity <ol style="list-style-type: none"> a. Etiology b. Physical assessment c. Diagnostic tests 3. Nursing diagnosis 4. Planning 5. Implementation <ol style="list-style-type: none"> a. Drug therapy b. Surgical management c. Gerontological Nursing d. Measures for alterations is physiologic, self-concept, role function and interdependence modes e. Nutrition therapy f. Health teaching g. Community resources 6. Evaluation of outcome criteria 	<p><u>Videos</u></p> <ol style="list-style-type: none"> 1. Knee Replacement (78346) 2. Hip Fracture (78344) 3. Hip Replacement (78345) 4. Nursing Care of Patients with Casts, Parts I&II(A2385, A2388) 5. Traction: Checks & Balances (A2386) 6. Pathophysiology of osteoarthritis 		

