



COURSE OUTLINE

PART I

Units III

Unit Objectives

Upon completion of Unit III, the student will:

1. Apply nursing process to deliver care based on current trends and evidenced-based practice for patient experiencing with alterations in protection, oxygenation and sensing.
2. Identify scientific rationales guiding care plans for patients experiencing alterations in protection, oxygenation and sensing.
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 protection, oxygenation and sensing.
5. Develop a teaching plan based on learning needs for patients experiencing alterations in protection, oxygenation and sensing.
6. Collaborate with interdisciplinary team members for discharge planning and appropriate community referrals for patients experiencing in protection, oxygenation and sensing.
7. Utilize critical thinking to prioritize care for patients experiencing alterations in protection, oxygenation and sensing.
8. Demonstrate professional behaviors in the clinical setting for patients experiencing alterations in protection, oxygenation and sensing.
9. Apply ethical and legal principles in the care of patients experiencing alterations in protection, oxygenation and sensing.
10. Distinguish between therapeutic and non-therapeutic communication for patients experiencing alterations in protection, oxygenation and sensing.

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Smeltzer, Ch. 50-53, 55, 56 & 72.</p> <p>Cohen, Ch. 10 & 21.</p> <p>Dudek, Ch. 21.</p>	<p>Unit III Alteration in Protection, Oxygenation and Sensing</p> <p>A. Alteration in Protection</p> <ol style="list-style-type: none"> 1. Pathophysiology <ol style="list-style-type: none"> a. Immune response <ol style="list-style-type: none"> 1) Allergy-hypersensitivity state 2) HIV b. Skin Alterations and Cancer <ol style="list-style-type: none"> 1) Inflammation 2) Infections 3) Common Skin Disorders 4) Wound Healing 5) Pressure Ulcers 6) Skin Cancer <ol style="list-style-type: none"> a) Melanoma b) Basal Cell c) Squamous Cell c. Terrorism <ol style="list-style-type: none"> 1) Biological 2. Assessment of factors affecting protection <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. Nutrition b. Drug Therapy c. Health Teaching d. Surgical Management 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 	<p><u>Videos</u></p> <ol style="list-style-type: none"> 1. Nursing Management of Wounds 2. Wound Healing: Principles of Wound Healing 3. Wound Healing: Treatment of Secondary Healing Wounds 4. Physical Assessment – The Integumentary System 5. Basic Clinical Skills: Surgical Wound Care 6. HIV: Challenge of Viral Resistance 7. Pathophysiology of HIV/AIDS <p><u>Medcom Videos:</u></p> <ol style="list-style-type: none"> 1. Nutritional Aspects of AIDS (A2070) 2. Bloodborne Safety (UP100 V-52) 	<p>Satisfactory demonstration of the following skills:</p> <ol style="list-style-type: none"> 1. Wound Care 2. PCA Pump 3. Intravenous Therapy 4. Chest Physical Therapy 5. Suctioning 	<ol style="list-style-type: none"> 1. Perform assessments for patients with alterations with the skin, eye, ear, respiratory and cardiovascular systems. 2. Develop care for patients with alterations of the skin, ear, eye, respiratory and cardiovascular systems.

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Smeltzer, Ch 21-23, 26, 27, 32, & 33.</p> <p>Hogstel, Ch. 13 &15.</p> <p>Cohen, Ch. 9-11.</p> <p>Dudek, Ch. 18.</p>	<p>B. Alterations in Oxygenation</p> <ol style="list-style-type: none"> 1. Pathophysiology <ol style="list-style-type: none"> a. Atelectasis b. Influenza c. Pneumonia d. Tuberculosis e. Anemia <ol style="list-style-type: none"> 1.) Nutritional <ol style="list-style-type: none"> a) Iron b) Pernicious c) Folic Acid 2.) Hemolytic <ol style="list-style-type: none"> a) Acquired b) G6PD 3.) Bone Marrow <ol style="list-style-type: none"> a) Depressed b) Aplastic 4.) Transfusions <ol style="list-style-type: none"> a) Lab Values b) Consent c) Checking blood and patient d) Reactions f. Angina-CAD g. Hyperlipidemia h. Hypertension 2. Assessment of Factors Affecting Oxygenation <ol style="list-style-type: none"> a. Etiology b. Physical Assessment c. Diagnostic tests d. Laboratory tests <ol style="list-style-type: none"> 1) Plasma digoxin level 2) Blood Coagulation tests: PT,PTT 3) SMA 12 Blood Culture 4) Cardiac Enzymes-Markers e. Non-Invasive Studies <ol style="list-style-type: none"> 1) Electrocardiogram 2) Stress testing 3) Chest x-ray 	<p><u>Computer:</u> Dietary Intervention/Hypertension (nutrition icon):</p> <ol style="list-style-type: none"> 1. Respiratory Drugs (Pharmacology icon) <p><u>Medcom Videos</u></p> <ol style="list-style-type: none"> 1. Normal and Abnormal Breath Sounds (M067) 2. Heart Sounds (M068) 3. Tuberculosis: New Strategies for the Healthcare Worker (M199-5L) 4. Hypertension: Managing your Blood Pressure (M066) <p><u>Videos</u></p> <ol style="list-style-type: none"> 1. Pathophysiology of Hypertension 		

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	<ul style="list-style-type: none"> f. Angina-CAD g. Hyperlipidemia h. Hypertension 2. Assessment of Factors Affecting Oxygenation <ul style="list-style-type: none"> e. Etiology f. Physical Assessment g. Diagnostic tests h. Laboratory tests <ul style="list-style-type: none"> 1) Plasma digoxin level 2) Blood Coagulation tests: PT,PTT 3) SMA 12 Blood Culture 4) Cardiac Enzymes-Markers e. Non-Invasive Studies <ul style="list-style-type: none"> 1) Electrocardiogram 2) Stress testing 3) Chest x-ray 4) Imagin-Perfusion and Infarct 5) Doppler 6) Sputum studies f. Invasive techniques <ul style="list-style-type: none"> 1) Venogram 2) Cardiac catheterization 3) Intravenous therapy 4) Direct visualization bronchoscopy 5) TEE 6) Mantoux 3. Nursing Diagnosis 4. Planning 			

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<p>Smeltzer, Ch. 58 and 59.</p> <p>Cohen, Ch. 18.</p> <p>Hogstel, Ch 9 & 10.</p>	<ul style="list-style-type: none"> 5. Implementation <ul style="list-style-type: none"> a. Nutrition b. Drug Therapy <ul style="list-style-type: none"> 1) Antitubercular 2) Antibiotics 3) Diuretics 4) Antihypertensives <ul style="list-style-type: none"> a) ACE Inhiitors b) Ca Channel Blockers c) Beta Blockers c) ARB 5) K-Supplements 6) Vasodilators 7) Antilipids c. Oxygen therapy d. Incentive Spirometry e. Chest Physiotherapy f. Health teaching g. Surgical management h. Gerontological Nursing i. Measures for alterations in physiologic self-concept, role function and interdependence modes j. Discharge planning/community Resources 6. Evaluation of Outcome Criteria C. Alteration in Sensing <ul style="list-style-type: none"> 1. Pathophysiology <ul style="list-style-type: none"> a. Eye Disorders <ul style="list-style-type: none"> 1) Conjunctivitis 2) Glaucoma 3) Cataracts 4) Retinal Detachment 5) Macular Degeneration 6) Inflammatory Disorders 7) Impaired Vision-blindness 8) Refractive Errors 	<p><u>Videos</u></p> <ul style="list-style-type: none"> 1. Physical Assessment: Head and Neck Examination Technique and Procedure 2. Pain Management 		

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Smeltzer, Ch. 13.	<ul style="list-style-type: none"> b. Ear Disorders <ul style="list-style-type: none"> 1) Hearing Impairment 2) Acoustic Neuroma 3) Meniere's Syndrome 4) Otosclerosis 5) Cochlear Implants 6) Acoustic Neuroma c. Acute Pain Management-PCA d. Sinusitis 2. Assessment of Factors Affecting Sensing <ul style="list-style-type: none"> a. Etiology b. Physical assessment c. Diagnostic tests 3. Nursing diagnosis 4. Planning 5. Implementation <ul 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. Discharge planning/community resources 5. Evaluation 	<p><u>Video</u></p> <ul style="list-style-type: none"> 1. Pathophysiology of Pain. 		

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