

NURSING 101: FOUNDATIONS OF NURSING

UNIT IV: NURSING CARE OF THE PATIENT WITH DISTURBANCES OF THE IMMUNOLOGICAL SYSTEM

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Identifies four types of hypersensitivity reactions.
2. Discusses assessments, diagnostic tests and pharmacological treatment related to patients with allergies.
3. Discusses factors that contribute to an anaphylactic reaction.
4. Identifies individual factors that contribute to latex allergies.
5. Relates the normal anatomy and physiology of the cell.
6. Defines cancer.
7. Discusses the social and cultural influences related to cancer.
8. Describes the epidemiologic factors related to cancer.
9. Explains the major etiological theories of cancer development.
10. Discusses the classifications of cancer.
11. Differentiates between benign and malignant tumors.
12. Describes the process of metastasis.
13. Discusses the nurse's responsibility related to prevention and detection of cancer.
14. Identifies the seven warning signs of cancer.
15. Explains lab data and assessment findings indicative of cancer.
16. Discusses the role of surgery as a cancer treatment modality.
17. Describes the role of chemotherapy, its action, and side effects.
18. Describes internal and external radiation treatments used in cancer therapy.
19. Identifies the role of immunotherapy in cancer treatment.

20. Discusses the physical and psychological impact of cancer treatment on the patient and their significant others.
21. Describes the nutritional needs of the cancer patient.
22. Discusses pain management options for the cancer patient.
23. Teaches patients about their cancer and the side effects from treatment.
24. Relates knowledge of community resources available to assist the patient with cancer.
25. Describes the etiology, clinical manifestations, complications, and nursing responsibilities related to a patient with HIV.
26. Discusses the social and cultural influences related to HIV.
27. Identifies evidence-based practice/best practice standards related to nursing care for patients with disorders of the immunological system.

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>Unit IV: Nursing Care of the Patient with Disturbances of the Immunological System 14 T / 0 C</p> <p>I. Allergies</p> <ul style="list-style-type: none"> A. Definitions B. Sequence of Events C. Hypersensitivity <ul style="list-style-type: none"> 1. Type I 2. Type II 3. Type III 4. Type IV D. Assessment E. Diagnostic Testing F. Pharmacological Treatment G. Anaphylaxis <ul style="list-style-type: none"> 1. Therapeutic Management H. Serum Sickness I. Latex Allergy <p>II. Cancer</p> <ul style="list-style-type: none"> A. Introduction to Cancer <ul style="list-style-type: none"> 1. Definition 2. Associated Terminology 3. History B. Sociocultural Aspects Related to Cancer <ul style="list-style-type: none"> 1. Attitude 2. Myths 	<p>Lecture PowerPoint Discussion Handouts Case Study Classroom Participation</p> <p>Hypersensitivity Reaction Types Chart</p> <p>Immunoglobulin Chart</p> <p>Case Study Analysis: Latex Case Study</p> <p>Creative Activity: “Hope” Garden - affirmations for the cancer patient and/or survivor</p>	<p>Required Readings Cancer Center Observation Pre & Post Conference Plan & provide care for the cancer patient when available</p> <p>Class Preparation: YouTube Videos - Immune System Pt. I & II (<i>Crash Course</i>)</p> <p>Class Preparation: ATI Medication Templates (<i>Epinephrine, Diphenhydramine, Loratadine, Fluticasone, Montelukast</i>)</p>	

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<ul style="list-style-type: none"> 1. Epidemiology <ul style="list-style-type: none"> a. Incidence b. Morbidity c. Mortality D. Etiological Theories of Cancer Development F. Immune System Dysfunction G. Hormonal Influences H. Carcinogens <ul style="list-style-type: none"> a. Chemicals b. Diet c. Radiation d. Drugs I. Viral Infections J. Demographic Factors K. Psychological Factors L. Other M. Pathophysiology <ul style="list-style-type: none"> 1. Definitions 2. Cell Cycle 3. Cellular Dysfunctions <ul style="list-style-type: none"> a. Normal Cells b. Cellular Proliferation c. Cancer Cell Proliferation d. Cellular Differential Dysfunction 4. Development of Cancer <ul style="list-style-type: none"> a. Initiation b. Promotion c. Progression 	<p>American Cancer Society PowerPoint Presentation - statistics</p>		

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<p>3. Nursing Responsibilities Related to Specific Treatments</p> <p>J. Nursing Care of the Cancer Patient</p> <ol style="list-style-type: none"> 1. Physiological Aspects 2. Nursing Interventions 3. Complications of Cancer 4. Psychological Aspects 5. Advanced Cancer Considerations 6. Nutritional Management 7. Pain Management 8. Family Support <p>K. Community Resources & Agencies</p> <ol style="list-style-type: none"> 1. American Cancer Society 2. Hospice 3. Special Help Groups <p>III. The Patient with HIV Infection</p> <ol style="list-style-type: none"> A. Epidemiology B. Pathophysiology C. Diagnosis D. Therapeutic Management <ol style="list-style-type: none"> 1. Pharmacological 2. Complications E. Psychosocial Aspects <ol style="list-style-type: none"> 1. AIDS 2. Patient & Family Support 3. Financial Assistance 4. Stigma 	<p>Collaborative Learning: Identifying applicable NI's for complications of cancer</p> <p>Visual-Based Active Learning: My Last Days - Ellie video</p> <p>Visual-Based Active Learning: A Dying Person's Bill of Rights video</p> <p>Game-Based Learning: Kahoot Review 'Head's Up' Review</p> <p>CDC Web Search: ALT HIV</p> <p>Game-Based Learning: HIV Modes of Transmission</p> <p>Visual-Based Active Learning: Khan Academy - What is HIV & AIDS? video</p> <p>Visual-Based Active Learning: HIV Stigma video</p>		<p>Clinical Evaluation Care Plans Quiz Unit Exam</p>

