

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

CONTENT	HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
<p>Unit IV. Nursing Care of the Patient with Disturbances of the Immunological System</p> <p>I. Allergies</p> <p>A. Definitions</p> <p>B. Sequence of Events</p> <p>C. Hypersensitivity</p> <p> 1. Type I</p> <p> 2. Type II</p> <p> 3. Type III</p> <p> 4. Type IV</p> <p>D. Assessment</p> <p>E. Diagnostic Testing</p> <p>F. Pharmacological Treatment</p> <p>G. Anaphylaxis</p> <p> 1. Therapeutic Management</p> <p>H. Serum Sickness</p> <p>I. Latex Allergy</p> <p>II. Cancer</p> <p>A. Introduction to Cancer</p> <p> 1. Definition</p> <p> 2. Associated Terminology</p> <p> 3. History</p>	<p>16 T 0 C</p>	<p>Lecture</p> <p>PowerPoint</p> <p>Discussion</p> <p>Handouts</p> <p>Case Study</p> <p>Class Preparation - CADSCANS</p> <p>Flipped Classroom: Latex Case Study</p>	<p>Classroom Participation</p> <p>Required Readings</p> <p>Clinical Pre & Post Conference</p> <p>Online Video: Crash Course Immune System Pt. II</p> <p>Online Video: Crash Course Immune System Pt. III</p> <p>Hypersensitivity Reaction types chart and immunoglobulin chart</p> <p>“Hope” Garden – affirmations for the Cancer patient and/or survivor</p>	

CONTENT	HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
<ul style="list-style-type: none"> B. Sociocultural Aspects Related to Cancer <ul style="list-style-type: none"> 1. Attitude 2. Myths C. Epidemiology <ul style="list-style-type: none"> 1. Incidence 2. Morbidity 3. Mortality D. Etiological Theories of Cancer Development <ul style="list-style-type: none"> 1. Immune System Dysfunction 2. Hormonal Influences 3. Carcinogens <ul style="list-style-type: none"> a. Chemicals b. Diet c. Radiation d. Drugs 4. Viral Infections 5. Demographic Factors 6. Psychological Factors 7. Other 		<p>American Cancer Society PowerPoint Presentation - statistics</p>		

CONTENT		HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
E.	Pathophysiology				
	1. Definitions				
	2. Cell Cycle				
	3. Cellular Dysfunctions				
	a. Normal Cells				
	b. Cellular Proliferation Dysfunction				
	c. Cancer Cell Proliferation				
	d. Cellular Differential Dysfunction				
	4. Development of Cancer				
	a. Initiation				
	b. Promotion				
	c. Progression				
F.	Classifications of Cancer				
	1. Benign vs. Malignant				
	2. Anatomic Site				
	3. Histologic Analysis				
	4. Extent of Disease				
G.	Metastasis				
	1. Direct Extension				
	2. Lymphatic Spread				
	3. Hematogenous Spread				
	4. Seeding				
H.	Prevention, Detection and Control		Class Preparation Small Group Discussion	Cancer Screening Guidelines	
	1. Public Education				
	2. Nurse's Role				

CONTENT	HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
<p>I. Assessment of the Cancer Patient</p> <ol style="list-style-type: none"> 1. History 2. Physical Assessment 3. Diagnostic Studies <ol style="list-style-type: none"> a. CBC b. Serum Chemistries c. Fecal Studies d. Urine Studies e. Cytological Studies f. Histological Studies g. Endoscopic Studies h. Radiological Studies i. Tumor Antigens j. Bone Marrow Examination <p>J. Treatment of Cancer</p> <ol style="list-style-type: none"> 1. Goals of Treatment 2. Modalities of Treatment <ol style="list-style-type: none"> a. Surgery b. Radiotherapy c. Chemotherapy d. Immunotherapy 3. Nursing Responsibilities Related to Specific Treatments 		<p>Class Preparation – Small group discussion on radiation and chemotherapy</p>	<p>Plan and provide care for the cancer patient when available.</p> <p>Online Video: Radiation Therapy Online Video: Chemotherapy</p>	

CONTENT		HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
K.	Nursing Care of the Cancer Patient			Online Video: My Last Days: Ellie	
1.	Physiological Aspects		Shared pairs – identifying applicable Nursing interventions for complications of cancer	Online Video: A Dying Person’s Bill of Rights	
2.	Nursing Diagnoses with Nursing Interventions				
3.	Complications of Cancer				
4.	Psychological Aspects				
5.	Advanced Cancer Patients				
6.	Nutritional Management				
7.	Pain Management				
8.	Family Support				
L.	Community Resources and Agencies				
1.	American Cancer Society		Cancer: Kahoot Review Cancer: “Heads Up” game review		
2.	Hospice Concept				
3.	Special Help Groups				
M.	The Patient with HIV Infection				
1.	Epidemiology		Game	CDC Web Search – ALT Class activity	
2.	Pathophysiology				
3.	Diagnosis				
4.	Diagnostic Studies				
5.	Therapeutic Management				
a.	Pharmacological Management			Online video: Khan Academy: “What is HIV and Aids?”	Clinical Evaluation
b.	Complications			Online video: CDC: HIV stigma	Quiz

CONTENT	HOURS	TEACHING METHOD	RELATED LEARNING EXPERIENCE OR SUPPORTING ACTIVITY	EVALUATION METHOD
6. Psychosocial Aspects a. AIDS b. Patient and Family Support c. Financial Assistance				Unit Exam