

**CAREER TECHNOLOGY CENTER OF LACKAWANNA COUNTY
PRACTICAL NURSING PROGRAM**

Course Title: Medical Surgical Nursing III Unit Title: Endocrine Disorders

Description: The purpose of this unit is to introduce the Practical Nurse student to etiology, symptoms, diagnostic procedures; treatment and nursing care in endocrine Medical - Surgical disorders.

Placement: Level IV Total Hours: 25

Parallel Courses: Medical-Surgical Units of Respiratory, Oncology, Dermatology, Family Life Cycle II and PVR II

Course Outcomes:

At completion of the course, the student will:

1. Utilize the nursing process in providing care and promoting health for the medical surgical patient and families experiencing chronic and acute health problems/psychosocial distress.
2. Demonstrate skills necessary to provide safe, effective nursing care for the medical surgical patient and families experiencing chronic and acute health problems/psychosocial distress.
3. Effectively apply the critical thinking and problem solving process in making decisions about the plan of care for the medical surgical patient and families experiencing chronic and acute health problems/psychosocial distress.
4. Communicate effectively with medical surgical patients, team members and faculty.
5. Demonstrate responsibility for personal actions within the legal parameters of the Practical Nursing Practice Act.
6. Promote individual patients' rights to health care decision making in all areas of medical-surgical nursing.
7. Demonstrate personal qualities reflecting a commitment to respect human dignity and individual rights by adhering to the nursing code of ethics in providing care for medical surgical patients.
8. Correlate theoretical knowledge of the medical surgical patient in planning care.
9. Support patients' psychosocial, spiritual, and cultural values in planning care for the medical-surgical patient.

- Unit Outline:
1. Course Introduction
 2. Review Endocrine Anatomy and Physiology
 3. Care of the patient with a Thyroid Disorders
 4. Care of the patient with a Parathyroid Disorders
 5. Care of the patient with an Adrenal Disorders
 6. Care of the patient with a Pituitary Disorders
 7. Care of the patient with a Pancreas Disorder

Required: Williams, Linda/Hopper, Paula, *Understanding Medical Surgical Nursing*, 5th Ed., F.A. Davis Co., 2015.

PrepU. NCLEX-PN. Kluwer-Lippincott, Williams & Wilkons. Web. 2009-2019

Evaluation: The student will attain a minimum average of 80% in tests, quizzes and PrepU Comprehensive examinations in Medical Surgical Nursing.
The student must be present for Final Examination.
Completed clinical worksheet and a satisfactory clinical evaluation are required.
Pre and post reading assignments/ lecture quizzes may be given without announcement. It is the students responsibility to make up all quizzes. All quizzes are graded at instructor discretion.

Instructor: Mary Joan Lavelle, RN, MSN

Date: August 2013

Revised: December 2014

Revised January 2018

Revised June 2019

*It is the student responsibility to monitor PrepU NCLEX online program and completion. Students are responsible for contacting PrepU technical support for sign on, mobile, and other difficulties. Technical issues are not a valid excuse for incomplete assignments. Students may utilize the Student Resource Computer lab if needed.

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE & ACTIVITY	SETTING	EVALUATION
<p>The student will:</p> <ol style="list-style-type: none"> 1. Verbalize understanding of outcomes and requirements of endocrine med-surg nursing 2. Apply knowledge of endocrine anatomy in plan of care for the endocrine patient 3. Discuss diagnostic procedures 4. Compare symptoms and treatment for the patient with hypothyroidism and hyperthyroidism 5. Apply the problem solving process when making decisions about management and nursing care of the patient with a thyroid disorder 	<p>.25</p> <p>1.0</p> <p>.50</p> <p>1.5</p> <p>1.5</p>	<ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> a. Objectives b. Requirements 2. Anatomy & Physiology <ol style="list-style-type: none"> a. thyroid b. parathyroid c. adrenals d. pituitary e. pancreas 3. Disorders of the thyroid <ol style="list-style-type: none"> a. Diagnostic tests 4. Hypothyroidism/ Hyperthyroidism <ol style="list-style-type: none"> a. symptoms b. treatment <ol style="list-style-type: none"> 1. medical 2. surgical 5. Thyroid disease <ol style="list-style-type: none"> a. management b. nursing care 	<p>Course Outline Handout</p> <p>Reading: Williams & Hopper throughout course</p> <p>Lecture with Power Point</p> <p>Lecture</p>	<p>Classroom</p> <p>Classroom Clinical</p>	

COURSE TITLE: MED SURG NURSING III

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE & ACTIVITY	SETTING	EVALUATION
6. Utilize the nursing process in the management of the patient undergoing thyroid surgery	1.0	6. Thyroid Surgery A. Pre Op 1) Assessment 2) Diagnosis 3) Planning 4) Implementation 5) Evaluation B. Post Op 1) Assessment 2) Diagnosis 3) Planning 4) Implementation 5) Evaluation	Lecture Power point	Classroom	Critical thinking question throughout power point
7. Identify diagnostic test for the suspected parathyroid disorder	.50	7. Disorders of the parathyroid a. Diagnostic test	NCLEX Review- Thyroid		Test 1 Thyroid and Parathyroid
8. Compare symptoms and treatment for patient with hypoparathyroidism and hyperparathyroidism	1.5	8. Hypoparathyroidism / hyperparathyroidism a. Symptoms b. Treatment - Medical/ Surgical	Video: Judy Miller		
9. Apply the problem solving process when making decisions about management and nursing care of patient with parathyroid disease	1.0	9. Parathyroid disease a. management b. nursing care			

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10. Identify patients response to hyposecretion or hyposecretion of the adrenals	.75	10. Adrenal hyposecretion or hyposecretion a. Addison's Disease b. Cushing's Disease/ Syndrome	Lecture Power point	Classroom	
11. Identify and discuss treatment for the patient Addison's and Cushing's disease/ syndrome	1.0	11. Treatment a. Addison's -medical b. Cushing's - medical/ surgical			Critical thinking question throughout power point
12. Correlate knowledge of steroid therapy with assessment of the patient with Addison's disease	.75	12. Steroid Therapy a. glucocorticoids b. mineral corticoids c. side effects d. D/C steroid therapy			
13. Identify teaching needs of the family members and the patient with diagnosis of Addison's or Cushing's disease	.75	13. Teaching Needs a. med administration/ SE b. importance of medical ID bracelet c. prevention of infection and other stressors	Video: Judy Miller		

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE & ACTIVITY	SETTING	EVALUATION
14. Correlate knowledge of diagnostic test results with assessment of the patient with diabetes insipidus	1.0	14. Diagnostic Tests a. Serum sodium b. Serum osmolality c. Urine specific gravity d. Urine osmolality e. Water deprivation test f. Hickey hare test g. Vasopressin administration	Lecture -Power point Video: Judy Miller	Classroom	Critical thinking question throughout power point Test 2 Adrenals and pituitary
15. Discuss pathophysiology and risk factors of diabetes mellitus	.75	15. Diabetes Mellitus a. Pathophysiology b. Risk factors	Video: Understanding diabetes and pathophysiology of diabetes		
16. Identify diagnostic tests for diabetes mellitus	.50	16. Diagnostic Tests a. Serum glucose b. Urine glucose c. Glucose tolerance d. Glycosylated hemoglobin	Perform blood glucose on fellow students Note fruity breath of fellow classmates after chewing Juicy Fruit Gum	Clinical Lab	
17. Correlate classification of diabetes with associated conditions or causes	1.0	17. Classification of Diabetes a. Type I IDDM 1. immune-mediated 2. idiopathic b. Type II NIDDM 1. other types 2. gestational			

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE & ACTIVITY	SETTING	EVALUATION
18. Identify patient and family teaching needs related to Diabetes	1.0	14. Patient and family teaching a. Insulin administration b. Dietary management c. Signs and symptoms of hypo and hyperglycemia d. Exercise e. Prevention of complications	Lecture -Power point	Classroom	Critical thinking question throughout power point
19. Apply knowledge of nutrition for health maintenance in the diabetic patient	.75	19. Nutrition a. Fats b. Carbohydrates c. Proteins d. calories	American Diabetic Association		
20. Identify nurses roles in collaboration with members of the health care team	.50	20. Collaboration a. Nurses role		Clinical	
21. Incorporate the patients psychosocial	.50	21. psychosocial and cultural values a. Self-medication b. Dietary management			
22. Correlate signs and symptoms of insulin shock and ketoacidosis and treatment of the diabetic patient	.75	22. Insulin Shock/ ketoacidosis a. Signs and symptoms b. treatment	Video: Judy Miller		

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STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE & ACTIVITY	SETTING	EVALUATION
23. Correlate knowledge of medications with assessment of the diabetic patient	1.0	23. Medications a. Insulin b. Oral hypoglycemic	Lecture -Power point	Classroom	Critical thinking question throughout power point
24. Demonstrate skills necessary to administer insulin	.75	24. Insulin Injections a. Steps in administration	Nursing Skills Video/ Lab		Instructor observation
25. Discuss complications of diabetes	1.0	25. Diabetic complications a. Retinopathy b. Nephropathy c. Neuropathy			
26. Utilize principles of the nursing process when caring for a patient with diabetes	.50	26. Nursing process a. Assessment b. Diagnosis c. Planning d. Implementation e. evaluation		Clinical	Clinical Evaluations
			Video: Judy Miller		Test 3 Diabetes
					Prep U Comprehensive

ENDO BIBLIOGRAPHY

Books:

1. Brown, M. and Mulholland, J. (2016) *Drug Calculations: Process and Problems for Clinical Practice* (10th Ed.) St. Louis, MO: Elsevier
2. Deglin, J., Vallerand, A., Sanoski (2015) *Davis's Drug Guide for Nurses*, (14th Ed.) Philadelphia, PA: F.A. Davis Co.
3. Perry, A., Potter, P., Ostendorf, W. (2020) *Nursing Interventions and Clinical Skills*, 7th Ed., St. Louis, MO: Elsevier
4. VanLeeuwen, A. and Bladh, M. (2017). *Davis' Comprehensive Handbook of Laboratory and Diagnostic Tests with Nursing* (7th Ed.) Philadelphia, PA: F.A. Davis
5. Venes, D., & Taber, C.W. (2017). *Taber's cyclopedic medical dictionary*. Ed.22, illustrated in full color / Philadelphia: F.A. Davis
6. Williams, L., Hopper, P. (2015). *Understanding Medical Surgical Nursing* (5th Ed.) Philadelphia, PA: F.A. Davis

Journals:

1. Kubacka, B. (2014) A balancing act: Achieving glycemic control in hospitalized patients *Nursing 2014 44(1), 30-37*

Web:

1. PrepU. NCLEX-PN. Kluwer-Lippincott, Williams, 7 Wilkons. Web. 2009-2019
2. American Diabetic Association <http://www.diabetes.org/food-and-fitness/>
3. <https://patient.info/doctor/diseases-and-different-ethnic-groups>
4. <http://www.uphs.upenn.edu/pastoral/events/srhig.html>

Video:

1. <https://www.youtube.com/watch?v=cDGmsR2ZILE>
2. *Nurse Tutor Video NCLEX- PN Review*. (2017). [DVD] Directed by J. Miller. Henniker, NH: Nursing Tutorial and Consulting Services.

Historical:

1. Kushi, L. Doyle, C. McCullough, M. Rock, C. Wahnefried, W. Bandera, E. Gapstur, S. Patel, A. (2012) American Cancer Society Guidelines on Nutrition and Physical Activity for Cancer Prevention: Reducing the Risk of Cancer with Healthy Food Choices and Physical Activity. *CA A Cancer Journal for Clinicians* 62 (1) 30-59
2. Clinical Endocrinology
3. Diabetes Mellitus
4. Diabetes and It's Complications
5. Understanding Diabetes