NURSING 102: NURSING CARE OF ADULTS

UNIT III: NURSING CARE OF THE INDIVIDUAL WITH DISORDERS OF THE ENDOCRINE SYSTEM

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Relates the normal anatomy and physiology of the endocrine system.
2. Explains the importance of normal functioning of the endocrine system to the maintenance of life.
3. Explains the interrelationships of the endocrine system to other body systems.
4. Differentiates normal from abnormal characteristics of nursing assessment for the endocrine system.
5. Explains the purpose, significance, results, and nursing responsibilities of diagnostic studies for the endocrine system.
6. Describes the etiology, clinical manifestations, complications, and nursing responsibilities for the patient with disorders of the endocrine system.
7. Discusses the usual medical, surgical, and nursing management of patients with disorders of the endocrine system.
8. Implements therapeutic nursing care, using the nursing process and critical thinking skills, for patients with disorders of the endocrine system.
9. Utilizes communication skills when delivering nursing care to patients with disorders of the endocrine system.
10. Identifies the psychological needs of the patient with a disorder of the endocrine system.
11. Teaches patients about their endocrine disorders.
12. Relates knowledge of community resources available to assist the patient with disorders of the endocrine system.
13. Discusses clinical manifestations of specific age-related physiologic changes.
14. Describes common problems of older adults and the role of the nurse in assisting them with endocrine disorders.
15. Identifies evidence-based practice/best practice standards related to nursing care for patients with disorders of the endocrine system.

Demonstrates accountability when delivering nursing care to patients with disorders of the endocrine system

Beebe Healthcare
Margaret H. Rollins School of Nursing

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
UNIT III: Nursing Care of the Individual with Disturbances of the Endocrine System HOURS 13 T 6.5 C I. Normal Anatomy and Physiology of the Endocrine System A. Types of Glands 1. Endocrine 2. Exocrine B. Hormones 1. Definition 2. Characteristics 3. Structure 4. Functions 5. Regulation of Hormone Secretions a. Feedback System b. Intrinsic Rhythmicity c. Extrinsic Factors C. Geriatric Consideration	Lecture PowerPoint and Handouts NCLEX-style review questions Discussion Case Studies Required Readings Clinical pre- and post-conference discussions Plan and giving care to patients with disorders of the endocrine system as available Clinical Objectives Independent A&P Review Endocrine outline/handout to correlate with textbook	Endocrine system in class videos	Unit Exam Nursing Care Plans Clinical Evaluations Final Exam End of Content Comprehensive Kahoot

Revised: June 2021 {deleted related learning experience column and replaced with ATI}
Revised: August 2022 {deleted: hour column & included with content}\

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
II. Hormone Dysfunction of the Pituitary Gland A. Physiology of Pituitary Gland B. Hypothalamus – Pituitary Complex C. Hormones Produced D. Anterior Lobe Dysfunction 1. Hyperpituitarism – Gigantism and Acromegaly a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Complications d. Medical Management e. Nursing Management f. Nursing Process 2. Prolactinomas 3. Hypopituitarism – Dwarfism a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Medical Management d. Nursing Management e. Nursing Process E. Posterior Lobe Dysfunction 1. SIADH a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Complications d. Medical Management e. Nursing Management f. Nursing Process	Class Preparation: • Edpuzzle: Pituitary Gland • ATI Disorder Template: Diabetes Insipidus and Syndrome of Inappropriate Antidiuretic Hormone Student Handout: Pituitary Gland (fill in blanks)	Class Prep ATI System Disorders Template: Syndrome of Inappropriate Antidiuretic Hormone Diabetes Insipidus Evolve: NGN Pituitary Adenoma	

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
2. Diabetes Insipidus a. Pathophysiology b. Assessment 1) Clinical Manifestations c. Complications d. Medical Management e. Nursing Management f. Nursing Process			
III. Hormone Dysfunction of the Thyroid Gland A. Physiology of Thyroid Gland B. Hormones Produced C. Functions of Hormones D. Hyperthyroidism 1. Pathophysiology 2. Assessment a. Clinical Manifestations b. Diagnostics 3. Complications 4. Medical Management 5. Nursing Management 6. Nursing Process E. Hypothyroidism 1. Pathophysiology 2. Assessment a. Clinical Manifestations b. Diagnostics 3. Complications 4. Medical Management 5. Nursing Management 6. Nursing Process F. Thyroid Gland Enlargement 1. Pathophysiology a. Goiter	Class Preparation: • Edpuzzle: Thyroid Gland • Student Handout – Thyroid (fill in blanks)	ATI System Disorders Template: Hyperthyroidism Hypothyroidism Evolve: NGN/Case Study – Hypothyroidism Clinical Reasoning in Nursing Case Study – Hypo/Hyper thyroidism Low Fidelity “Clinic Case Studies”	

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
b. Thyroiditis c. Tumors 2. Assessment a. Clinical Manifestations b. Diagnostics 3. Complications 4. Medical Management 5. Nursing Management 6. Nursing Process IV. Hormone Dysfunction of the Parathyroid Gland A. Physiology of the Parathyroid Gland B. Hormones Produced C. Hyperparathyroidism 1. Pathophysiology 2. Assessment a. Clinical Manifestations b. Diagnostics 3. Complications 4. Medical Management 5. Nursing Management 6. Nursing Process D. Hypoparathyroidism 1. Pathophysiology 2. Assessment a. Clinical Manifestations b. Diagnostics 3. Complications 4. Medical Management 5. Nursing Management 6. Nursing Process	Class Preparation: • Edpuzzle: Parathyroid Gland Student Handout: Parathyroid (fill in blanks)	Endocrine Activities Low Fidelity “Clinic Case Studies” ATI Active Learning Template	

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V. Hormone Dysfunction of the Adrenal Glands A. Physiology of Adrenal Gland B. Hormones Produced C. Adrenal Cortex Disorders 1. Hyperfunction of the Adrenal Cortex - Cushing's Syndrome a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Complications d. Medical Management e. Nursing Management f. Nursing Process 2. Primary Aldosteronism a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Complications d. Medical Management e. Nursing Management f. Nursing Process 3. Hypofunction of the Adrenal Cortex - Addison's Disease a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Complications d. Medical Management e. Nursing Management	Class Preparation: • Edpuzzle: Adrenal Glands • ATI Disorders Template: Cushing's Syndrome and Addison's Disease Student Handout: Adrenal Glands (fill in the blank)	ATI System Disorders Template: Cushing's Syndrome Addison's Disease Evolve: NGN Cushing's Case Study Low Fidelity "Clinic Case Studies"	

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
f. Nursing Process 4. Hyperfunction of the Adrenal Medulla - Pheochromocytoma a. Pathophysiology b. Assessment 1) Clinical Manifestations 2) Diagnostics c. Complications d. Medical Management e. Nursing Management f. Nursing Process VI. Hormonal Dysfunction of the Pancreas A. Physiology of Pancreas B. Hormones Produced C. Diagnostic Criteria D. Laboratory Studies E. Types of Diabetes 1. Type I 2. Type II 3. Other Types F. Clinical Manifestations G. Medical Management 1. Dietary Management 2. Medication a. Oral Hypoglycemics 1. Biguanides 2. Sulfonylureas 3. Meglitinides 4. Alpha-Glucosidase Inhibitors 5. Thiazolidinediones 6. Dipeptidyl Peptidase-4 Inhibitors	Class Preparation: Clinical Reasoning in Nursing Case Study – Type 1 & Type 2 DM	Evolve: NGN Case Studies: Hyperglycemia, Type 2 DM ATI Medication Templates: Oral Hypoglycemics	

CONTENT / HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
b. Insulin Therapy 1. Action 2. Types 3. Methods of administration 4. Side effects 3. Nutritional Therapy 4. Exercise 5. Self-Monitoring H. Acute Complications 1. Hyperglycemia a. Ketoacidosis (DKA) b. Hyperosmolar Hyperglycemic Syndrome (HHS) 2. Hypoglycemia I. Long Term Complications 1. Macrovascular a. Cerebrovascular b. Cardiovascular c. Peripheral vascular 2. Microvascular a. Retinopathy b. Nephropathy c. Neuropathy 1. Sensory 2. Autonomic J. Nursing Process K. Sick Day Rules L. Gerontologic Considerations M. Patient Education needs of the disease process, treatment, and self-management	CADSCAN for Insulin Insulin Lab		