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	Endocrine Poster Presentations Unit Exam Nursing Care Plans Clinical Evaluations Final Exam ATI Practice Endocrine Quiz

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

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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 Handout: Pituitary Gland	Class Prep NextGen: Pituitary Casestudy ATI System Disorders Template: Syndrome of Inappropriate Antidiuretic Hormone Diabetes Insipidus Evolve: NGN Pituitary Adenoma	

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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 • ATI Disorder Template: Hyperthyroidism and Hypothyroidism Handout: Outline of Thyroid	ATI System Disorders Template: Hyperthyroidism Hypothyroidism Evolve: NGN Hypothyroidism	

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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 Handout: Outline of Parathyroid	Endocrine Activities 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 Handout: Outline of Adrenal Glands	ATI System Disorders Template: Cushing's Syndrome Addison's Disease Evolve: NGN Cushing's Case Study	

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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: • ATI Diabetes Custom Assessment (not for ATI points) Handout: Outline of Diabetes Diabetes Overview Poster	ATI Diabetes Custom Assessment as Preparation Evolve: NGN Case Studies: Hyperglycemia, Type 2 DM ATI Medication Templates: Oral Hypoglycemics	

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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 Insulin Poster		