Covenant School of Nursing
Instructional Module 5 Learning Guide
Topic: Endocrine Dysfunction in Children

Learning Goals/Outcomes
Upon completion of this lesson, you will be able to: • Discuss the therapeutic management of children with Type I Diabetes Mellitus. • Discuss nursing care of the child with Type 1 and Type 2 Diabetes Mellitus. • Classify symptoms of altered blood glucose levels (hyperglycemia or hypoglycemia). • Explain electrolyte imbalances related to diabetic ketoacidosis. • Differentiate between disorders caused by pituitary dysfunction (growth hormone deficiency/excess, syndrome of inappropriate antidiuretic hormone (SIADH), diabetes insipidus (DI)). • Summarize characteristics of juvenile hypothyroidism.
Pre-Class Preparation
Required: • Hockenberry, M., Rodgers, C. & Wilson, D. (2022). *Wong's essentials of pediatric nursing* (11th ed.). St. Louis: Mosby Elsevier. Page 953, Box 28.13 Clinical Manifestations of Type I Diabetes Mellitus Page 955 "Monitoring" section Pages 956-957 "Hypoglycemia" section • Page 957, Table 28.4 Comparison of Manifestations of Hypoglycemia and Hyperglycemia Additional Resources: • HESI Clinical Skills: Skills for Nursing Collection: Neonatal Collection, Maternal Newborn Collection, and Pediatrics Collection
Learning Activities
Classroom Activities: • Practice carbohydrate counting/create a meal plan for a child with Type 1 DM Laboratory/Clinical: • Care for patient in clinical setting Online/Out of Class Activities: • HESI Case Study: Pediatrics: Diabetes Type 1
Evaluation Methods
• Unit Exam • HESI Specialty Exam – Pediatric Nursing

Texas DECs	***QSEN Competencies***
Knowledge: IIB1,2,4,7; IIC3; IIE12; IIF2 Clinical Judgment: IIC1,2; IIE1,2b-c, 13; IIG1,3	Patient Centered Care, Evidence Based Practice
IM Student Learning Outcomes	***NCLEX Test Plan***
1,5,7,8	Physiological Integrity: Basic Care and Comfort: Nutrition and Oral Hydration; Pharmacological & Parenteral Therapies: Adverse Effects/ Contraindication/ Side Effects/Interactions, Dosage Calculations, Medication Administration; Reduction of Risk Potential: Diagnostic Tests, Laboratory Values, Potential for Alterations in Body Systems, System Specific Assessments; Physiological Adaptation: Alterations in Body Systems, Fluid and Electrolyte Imbalances, Illness Management, Pathophysiology
Concepts	***Faculty***
Metabolism, Clinical Judgment, Patient Centered Care	*Cindy Gordey MSN, RN, CCRN-K*
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