BAPTIST HEALTH SCHOOL OF NURSING
NSG 3026A: CHILDREN’S HEALTH

NURSING MANAGEMENT OF ENDOCRINE DYSFUNCTION:
THEORETICAL SKILLS and KNOWLEDGE, SCIENTIFIC PRINCIPLES, CRITICAL
THINKING, HEALTHCARE PROMOTION, WELLNESS and ILLNESS, and STRESS
ADAPTATION

LECTURE OBJECTIVES:

- Differentiate between the disorders caused by hypopituitary and hyperpituitary
dysfunction.

- Describe the manifestations of thyroid hypofunction and hyperfunction and the
management of children with these disorders.

- Distinguish between the manifestations of adrenal hypofunction and hyperfunction.

- Differentiate among the various categories of diabetes mellitus.

- Discuss the management and nursing care of the child with diabetes mellitus in the acute
care setting.

- Distinguish between a hypoglycemic and a hyperglycemic reaction.

- Discuss a teaching plan for a child with diabetes mellitus.

- Discuss a teaching plan for instructing parents of a child with diabetes mellitus.

READING ASSIGNMENT:

Wong, Perry, & Hockenberry (2006). Maternal Child Nursing Care. Chapter 52, pp 1720-
1748.
LECTURE OUTLINE:

I. Disorders of Pituitary function
   A. Hypopituitarism: growth hormone (GH) Deficiency
      1. Diagnostic evaluation
      2. Therapeutic management
      3. Nursing care management
   B. Pituitary Hyperfunction
      1. Diagnostic evaluation
      2. Therapeutic management
      3. Nursing care management
   C. Precocious Puberty
      1. Therapeutic management
      2. Nursing care management
   D. Diabetes Insipidus (DI)
      1. Clinical manifestations
      2. Diagnostic evaluation
      3. Therapeutic management
      4. Nursing care management
   E. Syndrome of Inappropriate Antidiuretic Hormone Secretion (SIADH)
      1. Nursing care management
II. Disorders of Thyroid Function

A. Juvenile Hypothyroidism
   1. Nursing care management

B. Goiter
   1. Nursing care management

C. Lymphocytic Thyroiditis (Hashimoto Disease/Juvenile Autoimmune Thyroiditis)
   1. Pathophysiology
   2. Diagnostic evaluation
   3. Therapeutic management
   4. Nursing care management

D. Hyperthyroidism (Graves Disease)
   1. Diagnostic evaluation
   2. Therapeutic management
   3. Nursing care management
      a. Surgical care

E. Hypoparathyroidism
   1. Diagnostic evaluation
   2. Therapeutic management
   3. Nursing care management

F. Hyperparathyroidism
III. Disorders of Adrenal Function

A. Acute Adrenocortical Insufficiency
   1. Diagnostic evaluation
   2. Therapeutic management
   3. Nursing care management

B. Chronic Adrenocortical Insufficiency (Addison Disease)
   1. Therapeutic management
   2. Nursing care management

C. Cushing Syndrome
   1. Diagnostic evaluation
   2. Therapeutic management
   3. Nursing care management

D. Congenital Adrenogenital Hyperplasia (CAH)
   1. Pathophysiology
   2. Diagnostic evaluation
   3. Therapeutic management
   4. Nursing care management
E. Hyperaldosteronism
   1. Therapeutic management
   2. Nursing care management

F. Pheochroocytoma
   1. Therapeutic management
   2. Nursing care management

IV. Disorders of Pancreatic Hormone Secretion
   A. Diabetes Mellitus (DM)
      1. Classification
      2. Etiology
         a. Genetic factors
         b. Autoimmune mechanisms
      3. Pathophysiology
         a. Ketoacidosis
         b. Long-term complications
      4. Diagnostic evaluation
      5. Therapeutic management
         a. Insulin therapy
         b. Monitoring
         c. Nutrition
d. Exercise

e. Hypoglycemia

f. Illness management
   i. Management of diabetic
   ii. Ketoacidosis

6. Nursing care management
   a. Assessment
   b. Nursing diagnosis
   c. Planning
   d. Implementation
      i. Identification
      ii. Nature of diabetes
      iii. Meal planning
      iv. Insulin
      v. Injection procedure
      vi. Glucose monitoring
      vii. Urine testing
      viii. Hyperglycemia and Hypoglycemia
      ix. Exercise
      x. Record keeping
      xi. Self-management
xii. Hygiene

xiii. Acute care

xiv. Family support

e. Evaluation

SUPPLEMENTARY RESOURCES:

• Study Guide: Chapter 52
• Electronic Images: 583-586
• CD Companion:
  Critical Thinking Exercise—Hypothyroidism
  Case Study: Diabetes Mellitus
  Nursing Care Plan—The Child with Diabetes Mellitus
  NCLEX Review Questions
• Evolve Website:
  NCLEX Review Questions