

LINCOLN MEMORIAL UNIVERSITY
School of Nursing
N245 – Summer 2010

Unit 4- N245 – Pediatric Nursing – Neuromuscular (Exam 5)

OBJECTIVES: Upon completion of the unit, the student will be able to demonstrate, in the clinical and campus lab setting, in individual and group conferences, and on written materials, the ability to:

1. Describe differences between the pediatric and adult nervous systems.
2. Identify findings associated with increased intracranial pressure and neurologic dysfunction in the child.
3. Discuss nervous system tumors that occur in children and their management.
4. Identify nervous system infections and their management.
5. Differentiate between the various types of seizure disorders.
6. Discuss nursing care of the child with a seizure disorder.
7. Describe preop and post op care of the child with hydrocephalus.
8. Demonstrate understanding of the causes of cerebral palsy.
9. Discuss nursing care of the child with cerebral palsy.
10. Discuss nursing care of the child with myelomeningocele.
11. Identify neuromuscular disorders that affect children.

TOPICAL OUTLINE

- I. Pediatric Differences in the Nervous System
 - a. Physical Assessment / Neuro Check
 - b. Clinical Manifestations of Increased Intracranial Pressure
- II. Neuro Assessment in the Pediatric Patient
- III. Nursing Care of the Child with Tumors of the Nervous System
 - a. Brain Tumors
 - b. Neuroblastoma
- IV. Nursing Care of the Child with Intracranial Infections
 - a. Meningitis
 - b. Encephalitis
 - c. Reye Syndrome
- V. Nursing Care of the Child with Seizure Disorders
- VI. Nursing Care of the Child with Malformations of the Nervous System
 - a. Spina Bifida
 - b. Hydrocephalus
- VII. Nursing Care of the Child with Neuromuscular Disorders
 - a. Cerebral Palsy
 - b. Duchenne Muscular Dystrophy

REQUIRED READINGS:

Wong, Donna, L., et al. (2001). *Wong's essentials of pediatric nursing.* (7th ed.) St. Louis: Mosby, Inc.
Chapter: 28, 31-32 (focus on topics covered in topical outline)

Kee, J.L., Hayes, E.R., & McCuiston, L.E. (2006). *Pharmacology: A nursing process approach* (6th ed.) St. Louis: Mosby.
Chapter: 21 (focus on topics covered in topical outline)