

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

| Learning Goals/Outcomes |
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| Upon completion of this lesson, you will be able to: <ul style="list-style-type: none">• Distinguish among types of head injuries and serious complications.• Discuss nursing interventions for a child with seizures• Compare and contrast bacterial versus viral meningitis.• Explain clinical manifestations of increased intracranial pressure in infants and children.• Discuss nursing interventions for a child with increased ICP.• Describe clinical manifestations, treatment, and nursing care of a child with cerebral palsy.• Distinguish among neural tube defects. |
| Pre-Class Preparation |
| Required: <ul style="list-style-type: none">• Hockenberry, M., Rodgers, C., & Wilson, D. (2022). <i>Wong's essentials of pediatric nursing</i> (11th ed.). St. Louis: Mosby Elsevier. Page 883, Box 27.1: Clinical Manifestations of Increased Intracranial Pressure in Infants and Children Page 898 Emergency Treatment (Head Injury) Page 922 Emergency Treatment (Seizures) Page 1007, Box 30.2: Clinical Manifestations of Cerebral Palsy (at Time of Diagnosis) Page 1011 Associated Problems Additional Resources: <ul style="list-style-type: none">• HESI Clinical Skills: Skills for Nursing Collection: Neonatal Collection, Maternal Newborn Collection, and Pediatrics Collection |
| Learning Activities |
| Activities: <ul style="list-style-type: none">• Lecture• Case Study• Video clip• Jeopardy game Laboratory/Clinical: <ul style="list-style-type: none">• Care for patient in clinical setting Online/Out of Class Activities: <ul style="list-style-type: none">• HESI Case Study: Pediatrics: Intracranial• HESI Clinical Skills: Pediatrics Collection: Patient Positioning: Increased Intracranial Pressure (Pediatric) |
| Evaluation Methods |
| <ul style="list-style-type: none">• Unit Exam• HESI Specialty Exam – Pediatric Nursing |

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| <p align="center">Texas DECs</p> <p>Knowledge: IIA2a, b; IIB1; IIB2; IIB4; IIB7; IIC3; Clinical Judgement: IIA2a, b; IIB1; IIB2; IIBa; IIB4; IIB7; IIB8; IID2a, b, c, d; IIE1; IIE3a; IIE6a, b, c; IIF1a, b, c; IIF4; IIF5a; IIG1</p> | <p align="center">QSEN Competencies</p> <p>Evidence Based Practice Patient Centered Care Safety</p> |
| <p align="center">IM Student Learning Outcomes</p> <p align="center">1, 3, 4, 7, 8</p> | <p align="center">NCLEX Test Plan</p> <p>Health Promotion and Maintenance: Health Promotion/Disease Prevention. Safety and Infection Control: Accident/Error/Injury Prevention; Physiological Integrity: Basic Care and Comfort: Mobility/Immobility; Physiological Adaptation: Illness management, Alterations in Body Systems; Pharmacological & Parenteral Therapies: Adverse Effects/Contraindications/ Side Effects/Interactions, Expected Actions/ Outcomes, Medication Administration, Pharmacological Pain Management; Reduction of Risk Potential: Changes/Abnormalities in Vital Signs, Potential for Alterations in Body Systems, Potential for Complications of Diagnostic Tests/Treatments/Procedures, System Specific Assessments, Diagnostic Tests, Laboratory Values, Therapeutic Procedures</p> |
| <p align="center">Concepts</p> <p align="center"><i>Patient Education Comfort Intracranial Regulation Mobility Thermoregulation Functional Ability Human Development</i></p> | <p align="center">Faculty</p> <p align="center"><i>Cindy Gordey MSN, RN, CCRN-K</i></p> |
| <p>Date originated: November 2015</p> | <p>Revision Dates: February 2018, November 2019, May 2021, September 2022</p> |

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