

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

<b>Learning Goals/Outcomes</b>
Upon completion of this lesson, you will be able to: <ul style="list-style-type: none"><li>• Distinguish among types of head injuries and serious complications.</li><li>• Differentiate between various types of seizures in the pediatric patient.</li><li>• Compare and contrast bacterial versus viral meningitis.</li><li>• Explain clinical manifestations of increased intracranial pressure in infants and children.</li><li>• Describe clinical manifestations, treatment, and care of a child with cerebral palsy.</li><li>• Discuss the nursing role in helping parents care for the child who has cerebral palsy.</li></ul>
<b>Pre-Class Preparation</b>
Required: <ul style="list-style-type: none"><li>• Hockenberry, M., Rodgers, C., &amp; 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</li></ul> Additional Resources: <ul style="list-style-type: none"><li>• HESI Clinical Skills: Skills for Nursing Collection: Neonatal Collection, Maternal Newborn Collection, and Pediatrics Collection</li></ul>
<b>Learning Activities</b>
Activities: <ul style="list-style-type: none"><li>• Lecture</li><li>• Case Study</li><li>• Video clip</li><li>• Jeopardy game</li></ul> Laboratory/Clinical: <ul style="list-style-type: none"><li>• Care for patient in clinical setting</li></ul> Online/Out of Class Activities: <ul style="list-style-type: none"><li>• HESI Case Study: Pediatrics: Intracranial</li><li>• HESI Clinical Skills: Pediatrics Collection: Patient Positioning: Increased Intracranial Pressure (Pediatric)</li></ul>
<b>Evaluation Methods</b>
<ul style="list-style-type: none"><li>• Unit Exam</li><li>• HESI Specialty Exam – Pediatric Nursing</li></ul>

<b>Texas DECs</b>	<b>QSEN Competencies</b>
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	Evidence Based Practice Patient Centered Care Safety
<b>IM Student Learning Outcomes</b>	<b>NCLEX Test Plan</b>
<p style="text-align: center;">1, 3, 4, 7, 8</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
<b>Concepts</b>	<b>Faculty</b>
<p style="text-align: center;"> <b>Patient Education</b>  <b>Comfort</b>  <b>Intracranial Regulation</b>  <b>Mobility</b>  <b>Thermoregulation</b>  <b>Functional Ability</b>  <b>Human Development</b> </p>	<p style="text-align: center;">Cindy Gordey MSN, RN, CCRN-K</p>
<b>Date originated:</b> November 2015	<b>Revision Dates:</b> February 2018, November 2019, May 2021

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