

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

<b>Learning Goals/Outcomes</b>	
<p>Upon completion of this lesson, you will be able to:</p> <ul style="list-style-type: none"> <li>• Compare/Contrast types of head injuries and associated complications.</li> <li>• Discuss nursing interventions for a child with hydrocephalus.</li> <li>• Differentiate between bacterial and viral meningitis.</li> <li>• Explain clinical manifestations of increased intracranial pressure in infants and children.</li> <li>• Discuss nursing interventions for a child with increased ICP.</li> <li>• Describe clinical manifestations, treatment, and nursing care of a child with cerebral palsy.</li> <li>• Discuss the differences in neural tube defects related to spina bifida.</li> </ul>	
<b>Pre-Class Preparation</b>	
<p>Required:</p> <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  Page 1015 Fig. 30.5</li> </ul> <p>Additional Resources:</p> <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>	
<p>Activities:</p> <ul style="list-style-type: none"> <li>• Lecture</li> <li>• Case Study</li> <li>• Video clip</li> <li>• Jeopardy game</li> </ul> <p>Laboratory/Clinical:</p> <ul style="list-style-type: none"> <li>• Care for patient in clinical setting</li> </ul> <p>Online/Out of Class Activities:</p> <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>
1, 3, 4, 7, 8	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>
<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>	Cindy Gordey MSN, RN
<b>Date originated:</b> November 2015	<b>Revision Dates:</b> February 2018, November 2019, May 2021, September 2022, February 2023, September 2023, February 2024

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