

Covenant School of Nursing
Instructional Module 5 Learning Guide
Topic: Complications of the Newborn

Learning Goals/Outcomes

Upon completion of this lesson, you will be able to:

- Describe the characteristics and the nursing care management of the post term infant
- Discuss characteristics and nursing care of newborns with sepsis and hyperbilirubinemia
- Identify factors leading to respiratory distress
- Identify signs of respiratory distress in infants.
- Discuss plans of care for respiratory dysfunction in the newborn
- Describe the physiology and pathophysiology associated with respiratory complications in the neonatal period
- Describe the preoperative and postoperative care of a child with hydrocephalus.
- Describe the physiology and pathophysiology associated with neurological complications in the neonatal period.
- Explain signs and symptoms of increased intracranial pressure in infants.
- Describe the physiology and pathophysiology associated with gastrointestinal complications in the neonatal period
- Discuss the preoperative and postoperative care of the child with structural disorders of the GI tract
- Understand structural disorders of the gastrointestinal tract

Pre-Class Preparation

Required: Hockenberry, M. & Wilson, D., Rodgers, C. (2017). *Wong's essentials of pediatric nursing* (10th ed.). St. Louis: Mosby Elsevier.

Dysfunction in the Newborn: p. 258 Table 8-2 Comparison of Major Types of Unconjugated Hyperbilirubinemia, p. 281 Box 8-6 Manifestations of Neonatal Sepsis, p. 283 Box 8-8 Clinical manifestations of Infants of Diabetic Mothers

Neurological Dysfunction in the Newborn: p. 873, Box 27-1: Clinical Manifestations of Increased Intracranial Pressure in Infants and Children; p. 279, Table 8-11: Classifications of Neonatal Seizures; Pages 906-907 Hydrocephalus; p. 985, Box 30-4: Significant Neural Tube Defects; p. 986, Box 30-5: Clinical Manifestations of Spina Bifida

Respiratory Dysfunction in the Newborn: p. 190: Respiratory System: Immediate Adjustments; p. 269 Box 8-4 Clinical Manifestations of Respiratory Distress Syndrome; Pg. 271 Table 8-5 Common Methods for Assisted Ventilation in the Neonatal Respiratory Distress.; p. 268 – 272 Respiratory Distress Syndrome; p. 273 -274 Table 8-6, Respiratory Complications

Gastrointestinal Dysfunction: Chapter 8: p. 281-282 Box 8-7 Necrotizing Enterocolitis

Chapter 22: p. 691-692: Disturbances of Select Fluid and Electrolyte Balance (Table 22-2) ; p. 694: p. 726: Tracheoesophageal Fistula (Box 22-7); p. 727-728 Hernias;

Additional Resources:

- HESI Clinical Skills: Skills for Nursing Collection: Neonatal Collection, Maternal Newborn Collection, and Pediatrics Collection

Learning Activities

Classroom Activities:

- Group Discussion
- Case Study
- Lecture
- Video

Laboratory/Clinical Activities:

- Care for patient in clinical setting

Out of Class Activities:

- HESI Case Study: Obstetrics/Maternity: Newborn with Jaundice

Evaluation Methods

- Unit Exam
- HESI Specialty Exam-Pediatric Nursing

Texas DECs	QSEN Competencies
Knowledge: IIA2a, b; IIB1; IIB2; IIB4; IIB5 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
IM Student Learning Outcomes	NCLEX Test Plan
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
Concepts	Faculty
Patient Education Comfort Intracranial Regulation Mobility Thermoregulation Human Development Gas exchange, immunity	<i>Brittany Haynes MSN, RNC-NIC, CNE</i>
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