

Covenant School of Nursing
LVN-RN Course Learning Guide
Topic: Week 5
Pediatric Nursing Part 2

Learning Goals/Outcomes

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

- Identify signs of respiratory distress and factors leading to respiratory distress or respiratory infection in infants/children.
- Integrate nursing interventions for the patient with respiratory dysfunction including cystic fibrosis.
- Compare and contrast bacterial versus viral meningitis and analyze lab values associated with each.
- Explain clinical manifestations of increased intracranial pressure in infants and children.
- Describe clinical manifestations, treatment, and care of a child with cerebral palsy.
- Categorize congenital heart defects according to their hemodynamic characteristics.
- Prioritize nursing care of children with acquired cardiac disorders (rheumatic fever and Kawasaki disease)
- Describe the preoperative and postoperative care of infants/children with neural tube defects and hydrocephalus.
- Discuss common complications of prematurity including retinopathy, meconium aspiration, and transient tachypnea of the newborn.
- Identify Autism Spectrum Disorder (ASD) and Attention Deficit/Hyperactivity Disorder (ADHD) when encountered in patient care.
- Differentiate between Anorexia Nervosa and Bulimia Nervosa. Choose effective treatment for patients with eating disorders.
- Examine various types of child maltreatment and discuss cultural practices mimicking signs of maltreatment.

Pre-Class Preparation

Required:

- Comprehensive Review for NCLEX-RN, 2nd Ed. **Ch. 21** Coping with Stressors pages 272-273 (Coping with Abuse or Neglect), **Ch. 22** Mental Health Disorders pages 310-311 (Eating Disorders), **Ch. 53** Complicated Newborn Care pages 864-866 (Problems related to maturity: Prematurity, Potential Complications related to Prematurity: Respiratory Distress Syndrome, Retinopathy of Prematurity), 868-869 (General Care of Neonate with Respiratory Distress: Meconium Aspiration Syndrome, Transient Tachypnea of the Newborn), **Ch. 56** Respiratory Disorders pages 941-946 (Cystic Fibrosis, Bronchopulmonary Dysplasia, Epiglottitis, Bronchiolitis), **Ch. 57** Cardiovascular Disorders pages 978-985 (Acyanotic Heart Defects-Atrial Septal Defect, Ventricular Septal Defect, Coarctation of the Aorta; Cyanotic Heart Defects-Tetralogy of Fallot, Hypoplastic Left Heart Syndrome; Rheumatic Fever, Kawasaki's disease), **Ch. 58** Neurological Disorders pages 1006 (Guillain-Barre Syndrome), 1014-1019 (Cerebral Palsy, Neural Tube defects, Hydrocephalus, Meningitis, Encephalitis), 1020 (Reye Syndrome),
- HESI skills and case studies (**See HESI & Other Assignments document in LMS**)

Additional Resources:

- Wong's Essentials of Pediatric Nursing, 10th Ed. Hockenberry, Wilson, & Rodgers
- www.cincinnatichildrens.org

Learning Activities

Classroom Activities:

- Lecture
- Case Study
- Video Clips

Laboratory/Clinical:

- MIVF/IVPB/IVP Lab
- Physical Assessment Activities
- Interactive Online Simulation Activity
- End of Life Scenario
- Pediatric Patient Care Scenario

Online:

- See HESI & Other Assignments document in LMS

Evaluation Methods

- Exam 2 (Pedi)
- HESI Specialty Exam - Pedi

Texas DECs	QSEN Competencies
Knowledge: IA2a-b,4; IIA 1a-1b, 2a,b, 3,4; IIB 1,2,3,4,5,6,7,9,11; IIB8; IIC 1a-b,2a-b,3,4a-b,7,8; IID 1a-d, 2,3a-b; IIE1a-b,4a,5,6a,12; IIE12; IIF2; IIG1a,b ; IIIB1a,b; IVA2; IVC1,3; IVD1 Clinical Judgement: IIA 1,2a,b; IIB 1,2,3a-b,5,7,8; IIC 1,2,3a,4,7; IID1,2a-d; IIE 1,2a-d,3a-b,6a-c,9,11,13; IIF 1a-c,2b,4,5a,6; IIG1,2a,b,6,7; IIG5a, b; IIIB1,2,3a,3b,9; IIIC2a-b IVA1; IVB3c; IVC 1a-c; IVD2; IVD6a	Patient Centered Care, Safety, Teamwork & Collaboration, Evidence Base Practice, Informatics
IM Student Learning Outcomes	NCLEX Test Plan
1, 3, 4, 5, 7, 8	Health Promotion and Maintenance: Health Screening, Aging Process, Developmental Stages and Transitions, Health Promotion/Disease Prevention, Lifestyle Choices, Techniques of Physical Assessment, Newborn Care Safe and Effective Care Environment: Informed Consent; Management of Care: Advocacy, Collaboration with Interdisciplinary team, Concepts of Management, Establishing Priorities, Ethical Practice, Legal Rights & Responsibilities, Referrals Safety and Infection Control: Accident/Error/Injury Prevention, Home Safety, Standard Precautions/Transmission-Based Precautions/Surgical Asepsis

	<p>Physiological Integrity: Medication Administration, Basic Care and Comfort: Elimination, Nutrition and Oral Hydration, Rest and Sleep</p> <p>Pharm & Parenteral Treatment: Central lines, Adverse Effects/Contraindications/Side Effects/Interactions, Expected Actions/Outcomes, Medication Administration, Parenteral/Intravenous Therapies, Total Parenteral Nutrition Pharmacological Pain Management</p> <p>Psychosocial Integrity: Basic Care and Comfort: Non-Pharmacological Comfort Interventions, Coping Mechanisms, Cultural Awareness/Cultural Influences on Health, Family Dynamics, Stress Management, Therapeutic Communication, Behavioral Interventions, Crisis Intervention, Mental Health Concepts, Therapeutic Environment, Abuse/Neglect</p> <p>Reduction of Risk Potential: Changes/Abnormal vital signs, Diagnostic Tests, Lab values</p> <p>Potential for Alteration in Body Systems</p> <p>Potential for Complications of Diagnostic tests/treatments/procedures</p> <p>Physiological Adaptation: alteration in body systems, fluid & electrolyte imbalances, Illness Management, Pathophysiology</p>
Concepts	Faculty
<p>Patient Education, Comfort, Intracranial Regulation, Mobility, Thermoregulation, Human Development, Health Promotion, Safety, Cellular Regulation, Immunity, Clotting, Infection, Inflammation, Functional Ability, Perfusion, Tissue Integrity, Coping, Patient Centered Care, Elimination, Evidence Based Practice, Metabolism, Gas Exchange</p>	<p>Alejandra Borrego, MSN, RNIV, RNC</p>
<p>Date originated: 10/30/17</p>	<p>Revision Dates: October 2018, October 2019, January 2020, September 2020</p>