

**Covenant School of Nursing
LVN-RN Course Learning Guide
Topic: Week 6
Pediatric Nursing Part 1**

Learning Goals/Outcomes

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

- Describe physical changes, normal growth and development, nutrition, language, play, sleep, and limit setting that occur in children during each developmental phase.
- Understand Erikson's Psychosocial Theory and Piaget's Cognitive Theory.
- Discuss nursing actions that support parents in the care of the pediatric patient and general guidelines for preparing children for procedures/surgery.
- Integrate appropriate developmental techniques when interacting with a pediatric patient.
- Implement safety measures in selected procedures (i.e. Trach care, O2 management, Ostomy care, pediatric medication administration, circumcision).
- Recognize expected normal findings for children of various ages.
- Apply elements of family-centered care in the practice setting.
- Identify child and family stressors and apply principles of atraumatic care.
- Apply guidelines of communicating with children to the pediatric clinical setting.
- Differentiate between active and passive immunity; anticipate which immunizations are appropriate for children of different ages according to the recommended immunization schedule.
- Discuss major characteristics of common childhood communicable diseases, including transmission/isolation precautions.
- Perform pain assessment and implement pharmacologic and non-pharmacologic interventions used to eliminate or minimize pain in the neonate, infant, and child.
- Describe the characteristics of infants that affect their ability to adapt to fluid loss or gain.
- Discuss obstructive/structural disorders of the GI tract and the plan of care for children with these disorders.
- Identify characteristics of growth hormone deficiency and growth hormone excess.
- Describe common pediatric genitourinary tract defects including hypospadias, inguinal hernia, and cryptorchidism.
- Summarize the clinical manifestations and nursing interventions for various skin infestations including how they spread.
- Compare and contrast developmental dysplasia of the hip and Legg-Calve-Perthes disease.
- Describe clinical manifestations, nursing care and effective treatments for a patient with sickle cell anemia.
- Choose therapeutic communication when providing end of life care to the pediatric patient.
- Describe nursing care needs for a child diagnosed with leukemia.

Pre-Class Preparation

Required:

- Comprehensive Review for NCLEX-RN, 2nd Ed. **Ch. 13** Uncomplicated Newborn Care pages 143-151, **Ch. 14** Lifespan Growth and Development pages 157-169, **Ch. 15** Immunizations pages 175-179, **Ch. 16** Physical Examination of Child pages 208-213, **Ch. 31** Pediatric Dosage Calculation and Medication Administration pages 464-468 (Dosage calculation using body weight, oral medications, injections, Intravenous medications, pediatric considerations for other routes), **Ch. 59** Genitourinary Disorders pages 1051 (Hypospadias/Epispadias), 1052 (Cryptorchidism), **Ch. 60** Gastrointestinal Disorders pages 1085-1090 (Cleft lip/palate, Pyloric stenosis, Biliary Atresia, Hirschsprung's Disease), **Ch. 61** Endocrine Disorders pages 1107-1108 (Growth Hormone Deficiency, Hyperpituitarism), **Ch. 62** Musculoskeletal Disorders pages 1150-1152 (Developmental Dysplasia of the Hip), 1152-1153 (Legg-Calve-Perthes disease), **Ch. 63** Integumentary Disorders pages 1175-1176 (Pediculosis, Scabies), **Ch. 65** Hematological Disorders pages 1223-1224 (Sickle Cell Disease), 1229-1231 (Leukemia), 1093-1095 (Failure to Thrive, Vomiting/Diarrhea), **Ch. 68** Communicable or Infectious Diseases pages 1286-1291 (Chickenpox, Erythema Infectiosum, Mumps, Pertussis, Roseola, Rubeola, Rubella, Scarlet Fever)
- ATI: Nursing Care of Children

Additional Resources:

- Wong's Essentials of Pediatric Nursing, 10th Ed. Hockenberry, Wilson, & Rodgers
- CDC.gov/vaccines

Learning Activities

Classroom Activities:

- Lecture
- Case Study
- Video Clips

Laboratory/Clinical:

- MIVF/IVPB/IVP Lab/Physical Assessment/Baby Boot Camp/Simulation Scenarios

Online:

- Video Case Study RN – Growth and development. Challenge due Sunday, Feb 16 by 2200; Peer Review (2) and Expert Response due Friday, Feb 21 by 2200.
- **Ticket to Stay due at 1300 on Wednesday, Feb 12** - ATI: Real Life RN Nursing Care of Children 3.0 - Well Child
- **Ticket to Stay due at 1300 on Wednesday, Feb 12** - ATI: Skills Modules 2.0 – Physical Assessment of a Child (complete skills module and the pre-and posttest. Posttest score of 85% or greater)
- **Ticket to Stay due at 0800 on Thursday, Feb 13** - ATI: Skills Modules 2.0 – Maternal Newborn (1. Accepted practice: gestational age assessment, newborn care, nutritional needs of newborns; 2. Step by step viewing: apgar scoring, breastfeeding guidelines, kangaroo care, maternal and newborn discharge instructions, umbilical cord care; 3. Evidence based research: newborn care; 4. Practice challenges 2 and 3). Complete newborn skills practice test with score of 85% or better.
- **Ticket to Stay due at 0800 on Thursday, Feb 13** - ATI- Real Life RN Nursing Care of Children 3.0 - Gastroenteritis/Dehydration

Evaluation Methods

- Exam
- ATI: RN Nursing Care of Children Proctored Assessment

Texas DECs

Knowledge: IA2a-b,4; IIA 1a-1b, 2a,b, 3,4;

QSEN Competencies

Patient Centered Care, Safety, Teamwork &

<p>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</p> <p>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</p>	<p>Collaboration, Evidence Base Practice, Informatics</p>
<p><i>IM Student Learning Outcomes</i></p>	<p><i>NCLEX Test Plan</i></p>
<p>1, 2, 3, 4, 5, 6, 7, 8</p>	<p>Health Promotion and Maintenance: Health Screening, Aging Process, Developmental Stages and Transitions, Health Promotion/Disease Prevention, Lifestyle Choices, Techniques of Physical Assessment, Newborn Care</p> <p>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</p> <p>Safety and Infection Control: Accident/Error/Injury Prevention, Home Safety, Standard Precautions/Transmission-Based Precautions/Surgical Asepsis</p> <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>

	Potential for Alteration in Body Systems Potential for Complications of Diagnostic tests/treatments/procedures Physiological Adaptation: alteration in body systems, fluid & electrolyte imbalances, Illness Management, Pathophysiology
Concepts	Faculty
Human Development, Nutrition, Safety, Sleep, Cognition, Communication, Health Promotion, Evidence Based Practice, Fluid & electrolyte imbalance, Oxygenation, Elimination, Thermoregulation, Tissue Integrity, Coping, Sensory/Perception, Care Coordination, Collaboration, Communication, Moods and Affect, Pain, Functional Ability, Comfort, Cognitive Function, Clinical Judgment, Interpersonal Violence	Cindy Gordey, MSN, RN, CCRN-K
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