

NURSING 201: NURSING CARE OF SPECIAL POPULATIONS
UNIT IV: PEDIATRIC NURSING

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Identifies the nurse's role in caring for the neonate or child with a respiratory disorder or illness.
2. Describes common respiratory disorders and illnesses in neonates and children.
3. Describes common gastrointestinal disorders seen in neonates and children.
4. Discusses relevant nursing measures in caring for a neonate or child with a gastrointestinal disorder.
5. Describes the pathophysiology and nursing responsibilities relevant to pathological jaundice.
6. Differentiates between pathological and physiological jaundice.
7. Explains the importance and care of infants of diabetic mothers.
8. Discusses the nurse's role in the care of a neonate or child with an infection or communicable illness.
9. Explains the detrimental influences of maternal infection on the neonate and child.
10. Recognizes relevant nursing measures in caring for a neonate or child with a neurologic disorder.
11. Recognizes the nurse's role in the management of neonates and children with genitourinary disorders.
12. Describes common genitourinary disorders that occur in neonates and children.
13. Discusses the common musculoskeletal disorders in neonates and children.
14. Identifies the nurse's role in caring for a neonate or child with a musculoskeletal disorder.
15. Defines the concept of High-Risk Newborn.
16. Compares and contrasts preterm, small for gestational age, large for gestational age, and post term infants.
17. Discusses anatomic and physiologic variances, pathophysiology, diagnosis, prevention, and nursing management of high-risk infants.
18. Explains pathophysiology, nursing management, variations in growth & development, and impact of the newborn with a congenital anomaly.
19. Discusses the care of the newborn and child with a congenital heart defect and potential complications.

20. Describes the nurse's role in the management of neonates and children with cardiovascular disorders and illnesses.
21. Identifies relevant nursing measures in caring for a child with a hematologic disorder.
22. Discusses the nurse's role in the management of children with diabetes.
23. Describes the common neurologic disorders in neonates and children.
24. Identifies the pathophysiology of inborn errors of metabolism and various hereditary diseases.
25. Explains the importance of early diagnosis and management of the child with a genetic disorder.
26. Identifies resources available for a child with a genetic disorder, chronic disease, or acute illness.

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>Unit IV Pediatric Nursing: Theory Hours- 34.5 Clinical Hours- 0.5</p> <p>I. Newborn</p> <p> A. Newborn Respiratory System</p> <p> i. Basic Overview</p> <p> 1. Fetal Lung Fluid</p> <p> 2. Stimuli for Respirations</p> <p> 3. Initiation of Respirations</p> <p> 4. Fetal Lung Maturity</p> <p> 5. Assessment of Respirations</p> <p> ii. Respiratory Conditions of the Neonate</p> <p> 1. Transient Tachypnea of the Newborn</p> <p> 2. Respiratory Distress Syndrome (RDS)</p> <p> 3. Pneumonia</p> <p> iii. Respiratory System Anomalies</p> <p> 1. Choanal Atresia</p> <p> 2. Diaphragmatic Hernia</p> <p> iv. Newborn Complications</p> <p> 1. Meconium Aspiration Syndrome (MAS)</p> <p> B. Newborn Gastrointestinal System</p> <p> i. Anatomy/Assessment Review</p> <p> ii. Conditions</p> <p> 1. Esophageal Atresia/TEF</p> <p> 2. GERD</p> <p> 3. Pyloric Stenosis</p> <p> 4. Volvulus</p> <p> 5. Hirschsprung's Disease</p> <p> 6. Omphalocele/Gastroschisis</p> <p> 7. Imperforate Anus</p>	<p>Interactive Lecture</p>	<p>OB/Peds Clinical Observations</p> <p>Pre/Post Conference</p>	<p>Class Preparation</p> <p>Clinical Evaluation</p> <p>Simulation</p> <p>ATI Real-Life</p> <p>Pre/Post Conference</p>

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<ul style="list-style-type: none"> 8. Cleft Lip/Palate 9. Failure to Thrive C. Newborn Hepatic System <ul style="list-style-type: none"> i. Jaundice in the Newborn <ul style="list-style-type: none"> 1. Pathological Jaundice 2. Physiological Jaundice <ul style="list-style-type: none"> a. Assessment/Diagnostics/ Treatment Measures 3. Other Conditions <ul style="list-style-type: none"> a. Biliary atresia D. Newborn Endocrine System <ul style="list-style-type: none"> i. Infants of Diabetic Mothers ii. Hypoglycemia in the Newborn E. Newborn Reproductive System <ul style="list-style-type: none"> i. Normal Variations ii. Congenital Adrenal Hyperplasia F. Newborn Immune System <ul style="list-style-type: none"> i. Immunity in the Newborn ii. Perinatal Infections G. Newborn Neurological System <ul style="list-style-type: none"> i. Neural Tube Defects ii. Hydrocephalus iii. Spina Bifida H. Newborn Genitourinary <ul style="list-style-type: none"> i. Hydrocele ii. Hypospadias/Epispadias iii. Exstrophy of the Bladder iv. Patent Urachus v. Cryptorchidism I. Newborn Musculoskeletal System <ul style="list-style-type: none"> i. Developmental Dysplasia of the Hip ii. Clubfoot iii. Skeletal Limb Deficiency 	<p>Beebe Policy Review</p> <p>Game based learning: Kahoot!</p>	<p>Class Preparation: Phototherapy education</p> <p>Next Gen NCLEX Style Questions (PHLW: pp. 255)</p> <p>Class Preparation: NB Musculoskeletal</p>	

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<p>The Child</p> <p>J. Childhood Respiratory Disorders</p> <ol style="list-style-type: none"> i. URI/Pharyngitis ii. Croup Syndromes <ol style="list-style-type: none"> 1. Epiglottitis 2. Laryngeal Tracheobronchitis 3. Spasmodic Laryngitis 4. Tracheitis iii. Bronchiolitis/RSV iv. Tonsillitis v. Asthma vi. Cystic Fibrosis vii. Disorders of the middle ear <ol style="list-style-type: none"> 1. Otitis Media <p>II. High Risk Newborn</p> <p>A. High Risk Newborn</p> <ol style="list-style-type: none"> i. Definition ii. Levels of Care iii. Thermoregulation <p>B. Small for Gestational Age Infants (SGA)</p> <ol style="list-style-type: none"> i. Factors Associated with SGA ii. Characteristics iii. Problems Associated with SGA Infants iv. Prognosis <p>C. Large for Gestational Age Infants (LGA)</p> <ol style="list-style-type: none"> i. Causes ii. Problems Associated with LGA Infants <p>D. The “Postmature” Infant</p> <ol style="list-style-type: none"> i. Characteristics ii. Problems Associated with Postmaturity <p>E. The Premature</p> <ol style="list-style-type: none"> i. Definition ii. Incidence/Causes 	<p>Interactive Lecture</p> <p>Independent Learning: Thermoregulation Game based Learning: High Risk Newborn Kahoot</p> <p>Group Work: Compare and contrast SGA and Premature newborns</p>	<p>Class Preparation: Child Respiratory</p> <p>Class Prep: Thermoregulation</p> <p>Next Gen NCLEX Style Questions (PHLW: pp. 631)</p>	<p>Quiz</p> <p>Unit IV Exam #2 (10)</p> <p>Pediatric Nursing Part 2</p>

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<ul style="list-style-type: none"> iii. Physical Characteristics iv. Physiologic Differences and Care <ul style="list-style-type: none"> 1. Fluid & Electrolyte Balances 2. Nutrition 3. Immunologic 4. Hematologic 5. Jaundice 6. Respiratory 7. Emotional Aspects 8. Growth & Development/Progress 9. Family Centered Care v. Disorders of the Premature <ul style="list-style-type: none"> 1. Respiratory Distress Syndrome 2. Broncho-Pulmonary Dysplasia 3. Retinopathy 4. Necrotizing Enterocolitis 5. Intraventricular Hemorrhage F. Comparison of High-Risk Infants G. Newborn Cardiovascular System <ul style="list-style-type: none"> i. Cardiovascular System <ul style="list-style-type: none"> 1. Fetal Circulation <ul style="list-style-type: none"> a. Transition to Neonatal Circulation b. Heart Rate/Murmurs c. Blood Pressure d. Blood Volume e. Blood Components 2. Congenital Heart <ul style="list-style-type: none"> a. Incidence b. Detection c. Diagnosis 3. Classifications 4. Dextrocardia 5. Congenital Heart Defects 	<p>Interactive Lecture: Unfolding Case Study</p> <p>Group work- ATI Active Learning Templates</p> <p>Group work: Triangle, Circle, Square activity-teaching each other</p> <p>Group work: Comparing SGA, LGA, Preterm, and Post-term newborns</p> <p>Visual based learning: Khan Academy Videos- “Fetal Circulation Before Birth” and “Newborn Circulation Immediately After Birth”</p>	<p>Class Prep: Newborn Cardiac</p>	

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<p> a. Atrial Septal Defect b. Ventricular Septal Defect c. Patent Ductus Arteriosus d. Coarctation of the Aorta e. Aortic Stenosis f. Pulmonic Stenosis g. Tetralogy of Fallot h. Tricuspid Atresia i. Transposition of the Great Vessels j. Total Anomalous Pulmonary Venous Connection k. Truncus Arteriosus l. Hypoplastic Left Heart Syndrome 6. Complications of Congenital Heart Defects 7. Care of the patient and family with a congenital heart defect </p> <p> III. A. Childhood Gastrointestinal Disorders i. Colic ii. Gastroesophageal Reflux iii. Pyloric Stenosis iv. Intussusception v. Meckel Diverticulum vi. Hirschsprung Disease vii. Hernias viii. Celiac Disease ix. Vomiting x. Diarrhea xi. Dehydration xii. Constipation </p>	<p> Visual based learning: Patient/Family perspective </p>	<p> Visual based learning- Videos of cardiac defects </p>	<p> Quiz Unit IV Exam #1 (9) Pediatric Nursing Part 1 </p>

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<ul style="list-style-type: none"> i. Wilm’s Tumor ii. Enuresis iii. Nephrotic Syndrome iv. Acute Glomerulonephritis v. Hemolytic Uremic Syndrome G. Childhood Musculoskeletal Disorders <ul style="list-style-type: none"> i. Osteogenesis Imperfecta ii. Legg-Calve Perthes Disease iii. Slipped Capital Femoral Epiphysis iv. Scoliosis v. Juvenile Rheumatoid Arthritis H. Childhood Immune <ul style="list-style-type: none"> i. Communicable Diseases <ul style="list-style-type: none"> 1. Viral Infections <ul style="list-style-type: none"> a. Roseola b. Rubella c. Measles d. Varicella e. Erythema Infectiosum f. Hand Foot & Mouth g. Mumps h. Poliomyelitis 2. Bacterial Infections <ul style="list-style-type: none"> a. Scarlet Fever b. Pertussis c. Diphtheria d. Impetigo 	<p>Game based learning: Kahoot!</p>	<p>Class Preparation: Child Systems</p>	<p>Quiz</p> <p>Exam #3 (11) Pediatric Nursing Part 3</p>