

**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><b>Unit IV Pediatric Nursing:</b>  <b>Theory Hours- 34.5</b>  <b>Clinical Hours- 0.5</b></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>





CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<ul style="list-style-type: none"> <li>iii. Physical Characteristics</li> <li>iv. Physiologic Differences and Care               <ul style="list-style-type: none"> <li>1. Fluid &amp; Electrolyte Balances</li> <li>2. Nutrition</li> <li>3. Immunologic</li> <li>4. Hematologic</li> <li>5. Jaundice</li> <li>6. Respiratory</li> <li>7. Emotional Aspects</li> <li>8. Growth &amp; Development/Progress</li> <li>9. Family Centered Care</li> </ul> </li> <li>v. Disorders of the Premature               <ul style="list-style-type: none"> <li>1. Respiratory Distress Syndrome</li> <li>2. Broncho-Pulmonary Dysplasia</li> <li>3. Retinopathy</li> <li>4. Necrotizing Enterocolitis</li> <li>5. Intraventricular Hemorrhage</li> </ul> </li> <li>F. Comparison of High-Risk Infants</li> <li>G. Newborn Cardiovascular System               <ul style="list-style-type: none"> <li>i. Cardiovascular System                   <ul style="list-style-type: none"> <li>1. Fetal Circulation                       <ul style="list-style-type: none"> <li>a. Transition to Neonatal Circulation</li> <li>b. Heart Rate/Murmurs</li> <li>c. Blood Pressure</li> <li>d. Blood Volume</li> <li>e. Blood Components</li> </ul> </li> <li>2. Congenital Heart                       <ul style="list-style-type: none"> <li>a. Incidence</li> <li>b. Detection</li> <li>c. Diagnosis</li> </ul> </li> <li>3. Classifications</li> <li>4. Dextrocardia</li> <li>5. Congenital Heart Defects</li> </ul> </li> </ul> </li> </ul>	<p>Group work- ATI Active Learning Templates</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: Engage Pediatrics Newborn Cardiac</p> <p>Visual based learning-</p>	

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<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.</p> <p>A. Childhood Gastrointestinal Disorders</p> <p>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 - HLHS</p>	<p>Videos of cardiac defects</p> <p>In class group CHD concept maps</p> <p>Unit IV Part 1 Kahoot Review</p>	<p><b>Quiz</b></p> <p><b>Unit IV Exam #1 (9) Pediatric Nursing Part 1</b></p>



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

<b>CONTENT/ HOURS</b>	<b>TEACHING STRATEGIES</b>	<b>SUPPORTING ACTIVITIES</b>	<b>EVALUATION METHODS</b>