

## Part B (Pediatric Nursing)

### Unit Objectives

- 1) Identify the self-concept (physical and personal self) issues for each of the pediatric age groups.
- 2) Utilize the nursing process to promote safe adaptations for families and their children.
- 3) Discuss the age appropriate adaptations children make to illness and hospitalization.
- 4) Utilize the nursing process to promote positive adaptations for clients and their families experiencing a compromise in the following physiologic modes: oxygenation, nutrition, elimination, protection, rest/activity, sensing, fluid and electrolytes, neurology and endocrine.
- 5) Identify focal, contextual and residual stimuli, which may be altered, to provide positive adaptation for clients experiencing an alteration in each of the physiologic modes
- 6) Evaluate client responses to nursing interventions for families experiencing a crisis.

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Wong: chapter 33</p> <p>Wong: chapter 36</p>	<p><b>Pediatric Nursing</b>  <b>Unit 1</b>            Self Concept Mode</p> <ol style="list-style-type: none"> <li>1) Growth and Development               <ol style="list-style-type: none"> <li>a) Principles</li> <li>b) Factors affecting</li> </ol> </li> <li>2) Infants and their family               <ol style="list-style-type: none"> <li>a) Physical growth</li> <li>b) Motor milestones</li> <li>c) Psychosocial development</li> <li>d) Cognitive development</li> <li>e) Moral/spiritual development</li> <li>f) Play</li> <li>g) Anticipatory Guidance                   <ol style="list-style-type: none"> <li>i) Safety</li> <li>ii) Immunizations</li> </ol> </li> </ol> </li> </ol>	<p><b>Computer:</b>            Pediatric Nursing # 2:            Growth and Development</p> <p><b>Video:</b>            NCLEX-RN review            #12 Growth and development</p>		<p>Perform a Denver Developmental Screening Exam on a pediatric patient</p>

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<p>Wong: chapter 37</p> <p>Wong: chapter 38</p> <p>Wong: chapter 39</p>	<ul style="list-style-type: none"> <li>iii) Nutrition</li> <li>iv) Common problems</li> <li>3) Toddlers and their family               <ul style="list-style-type: none"> <li>a) Physical growth</li> <li>b) Motor milestones</li> <li>c) Psychosocial development</li> <li>d) Cognitive development</li> <li>e) Moral/spiritual development</li> <li>f) Play</li> <li>g) Anticipatory Guidance                   <ul style="list-style-type: none"> <li>i) Safety</li> <li>ii) Nutrition</li> </ul> </li> <li>iii) Common problems</li> </ul> </li> <li>4) Preschoolers and their family               <ul style="list-style-type: none"> <li>a) Physical growth</li> <li>b) Motor milestones</li> <li>c) Psychosocial development</li> <li>d) Body image</li> <li>e) Cognitive development</li> <li>f) Moral/spiritual development</li> <li>g) Play</li> <li>h) Anticipatory Guidance                   <ul style="list-style-type: none"> <li>i) Safety</li> <li>ii) Nutrition</li> </ul> </li> <li>iii) Common problems</li> </ul> </li> <li>5) School age and their family               <ul style="list-style-type: none"> <li>a) Physical growth</li> <li>b) Motor milestones</li> <li>c) Psychosocial development</li> <li>d) Cognitive development</li> <li>e) Moral/spiritual development</li> </ul> </li> </ul>	<p><b>Medcom</b> <b>Video:</b> Understanding the pediatric patient</p>		

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
Wong: chapter 40	<ul style="list-style-type: none"> <li>f) Play</li> <li>g) Anticipatory Guidance <ul style="list-style-type: none"> <li>i) Safety</li> <li>ii) Nutrition</li> <li>iii) Common problems</li> </ul> </li> <li>6) Adolescents and their family <ul style="list-style-type: none"> <li>a) Physical growth</li> <li>b) Motor milestones</li> <li>c) Psychosocial development</li> <li>d) Cognitive development</li> <li>e) Moral/spiritual development</li> <li>f) Sexual development</li> <li>g) Body image</li> <li>h) Play</li> <li>i) Anticipatory Guidance <ul style="list-style-type: none"> <li>i) Safety</li> <li>ii) Nutrition</li> <li>iii) Common problems</li> </ul> </li> </ul> </li> </ul>			
Wong: chapter 35	<ul style="list-style-type: none"> <li>7) Developmental Assessment <ul style="list-style-type: none"> <li>a) DDST</li> <li>b) Physical Assessment <ul style="list-style-type: none"> <li>i) Health assessment</li> <li>ii) Physical exam</li> </ul> </li> </ul> </li> </ul>	<p><b>Videos:</b> Denver II Training</p>		
Wong: chapter 44	<p><b>Unit II</b> Role Function</p> <ul style="list-style-type: none"> <li>1) Reactions to hospitalization <ul style="list-style-type: none"> <li>a) Children's concepts of illness</li> <li>b) Separation anxiety <ul style="list-style-type: none"> <li>i) Protest</li> <li>ii) Despair</li> </ul> </li> </ul> </li> </ul>	<p><b>Videos:</b> Caring for sick children</p>	<p>Medication administration</p> <p>Calculating Pediatric</p>	

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Wong: chapter 46</p> <p>Wong: chapter 48</p> <p>Wong chapter 49</p>	<ul style="list-style-type: none"> <li>iii) Detachment</li> <li>c) Promoting coping <ul style="list-style-type: none"> <li>i) General strategies</li> <li>ii) Age specific strategies</li> </ul> </li> </ul> <p><b>Unit III</b>  Physiologic Mode  Alterations in oxygenation, nutrition, and elimination</p> <ul style="list-style-type: none"> <li>1) Oxygenation <ul style="list-style-type: none"> <li>a) Pathophysiology <ul style="list-style-type: none"> <li>i) Upper respiratory tract disorders <ul style="list-style-type: none"> <li>(1) Croup</li> <li>(2) Epiglottis</li> <li>(3) Tonsillitis</li> <li>(4) Otitis media</li> </ul> </li> <li>ii) Lower respiratory tract disorders <ul style="list-style-type: none"> <li>(1) Bronchiolitis</li> </ul> </li> <li>iii) Chronic respiratory tract disorders <ul style="list-style-type: none"> <li>(1) Asthma</li> <li>(2) Cystic Fibrosis</li> </ul> </li> <li>iv) Cardiovascular disorders <ul style="list-style-type: none"> <li>(1) Congenital heart disease</li> <li>(2) Congestive heart failure</li> <li>(3) Kawasaki disease</li> <li>(4) Rheumatic heart disease</li> </ul> </li> </ul> </li> <li>v) Anemia's</li> </ul> </li></ul>	<p><b>Medcom video</b>  Medicating Children</p> <p><b>Computer:</b>  Meds, Dosage  Calculations Made  Easy  Calculating Pediatric Medications</p> <p><b>Computer:</b>  Pediatric Nursing #10  Respiratory alterations</p> <p><b>Computer</b>  Pediatric Nursing #13  Cardiac alterations</p>	<p>medication dosages</p>	<p>Care for a pediatric patient with an alteration in oxygenation, nutrition and elimination</p>

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
	<ul style="list-style-type: none"> <li>(1) Sickle Cell Disease</li> <li>vi) Disorders of Clotting               <ul style="list-style-type: none"> <li>(1) ITP</li> <li>(2) Hemophilia</li> </ul> </li> <li>b) Assessment of factors affecting oxygenation               <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical Assessment</li> <li>iii) Diagnostic tests</li> <li>iv) Laboratory tests                   <ul style="list-style-type: none"> <li>(1) Sweat test</li> <li>(2) ASO titer</li> </ul> </li> </ul> </li> <li>c) Nursing diagnosis</li> <li>d) Planning</li> <li>e) Implementation               <ul style="list-style-type: none"> <li>i) Drug therapy                   <ul style="list-style-type: none"> <li>(1) Antibiotics</li> <li>(2) NSAIDS</li> <li>(3) Inhaled mucolytic agents</li> <li>(4) Cardiac glycosides</li> <li>(5) Diuretics</li> <li>(6) Aspirin</li> </ul> </li> <li>ii) Peak flow monitoring</li> <li>iii) CPT and postural drainage</li> <li>iv) Oxygen therapy</li> <li>v) Factor VIII</li> <li>vi) Immunoglobulin therapy</li> <li>vii) Post-operative management</li> <li>viii) Discharge planning</li> </ul> </li> <li>f) Evaluation of outcome criteria</li> </ul>	<p><b>Computer</b>            Pediatric Nursing #12            Hematologic alterations</p>		

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Wong: chapter 47 Chapter 36, pp 1077 - 1080</p>	<ul style="list-style-type: none"> <li>2) Nutrition               <ul style="list-style-type: none"> <li>a) General Principles</li> <li>b) Pathophysiology                   <ul style="list-style-type: none"> <li>i) Failure to thrive</li> <li>ii) Structural Defects                       <ul style="list-style-type: none"> <li>(1) Cleft lip and palate</li> <li>(2) T-E fistula</li> </ul> </li> </ul> </li> <li>c) Assessment of factors affecting nutrition                   <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment</li> <li>iii) Diagnostic tests</li> </ul> </li> <li>d) Nursing diagnosis</li> <li>e) Planning</li> <li>f) Implementation                   <ul style="list-style-type: none"> <li>i) Surgical management</li> <li>ii) Post-operative care</li> </ul> </li> <li>g) Evaluation of outcome criteria</li> </ul> </li> <li>3) Elimination               <ul style="list-style-type: none"> <li>a) Pathophysiology                   <ul style="list-style-type: none"> <li>i) Disorders of Motility                       <ul style="list-style-type: none"> <li>(1) Diarrhea</li> <li>(2) Hirshsprungs Disease</li> </ul> </li> <li>ii) Obstructive Disorders                       <ul style="list-style-type: none"> <li>(1) Pyloric Stenosis</li> <li>(2) Intussusception</li> </ul> </li> <li>iii) Inflammatory diseases                       <ul style="list-style-type: none"> <li>(1) Appendicitis</li> </ul> </li> </ul> </li> <li>b) Assessment of factors affecting elimination                   <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment</li> <li>iii) Diagnostic tests</li> </ul> </li> </ul> </li> </ul>	<p><b>Computer</b> Pediatric Nursing #11 GI alterations</p>		

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Wong: chapter 38, pp 1127 - 1137</p> <p>Wong: chapter 49, pp 1619 1636</p> <p>Wong: chapter 38 pp 1137 - 1149</p>	<ul style="list-style-type: none"> <li>(1) Barium enema</li> <li>(2) Biopsy</li> <li>iv) Laboratory tests</li> <li>c) Nursing diagnosis</li> <li>d) Planning</li> <li>e) Implementation <ul style="list-style-type: none"> <li>i) Diet</li> <li>ii) Positioning</li> <li>iii) Fluid and electrolyte management</li> <li>iv) Surgical management</li> </ul> </li> <li>f) Evaluation of outcome criteria</li> </ul> <p>Alteration in protection, rest/activity and sensing</p> <ul style="list-style-type: none"> <li>1) Protection <ul style="list-style-type: none"> <li>a) Pathophysiology <ul style="list-style-type: none"> <li>i) Communicable Diseases <ul style="list-style-type: none"> <li>(1) Measles</li> <li>(2) Varicella</li> <li>(3) Pertussis</li> </ul> </li> <li>ii) Neoplastic Disease <ul style="list-style-type: none"> <li>(1) Leukemia</li> <li>(2) Wilms tumor</li> </ul> </li> <li>iii) Immunologic Disease <ul style="list-style-type: none"> <li>(1) HIV/AIDS</li> </ul> </li> <li>iv) Child Abuse</li> </ul> </li> <li>b) Assessment of factors affecting protection <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment</li> <li>iii) Diagnostic tests <ul style="list-style-type: none"> <li>(1) Bone marrow aspiration</li> </ul> </li> </ul> </li> <li>c) Nursing diagnosis</li> <li>d) Planning</li> </ul> </li> </ul>	<p><b>Computer</b> Pediatric Nursing # 9 Immunity/immune response</p> <p><b>Computer</b> Pediatric Nursing #7 children with cancer</p> <p><b>Medcom</b> <b>Video</b> Child Abuse: prevention, detection and management</p>		<p>Care for a pediatric patient with an alteration in protection, rest and activity and sensing</p>

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
Wong: chapter 54	<ul style="list-style-type: none"> <li>e) Implementation               <ul style="list-style-type: none"> <li>i) Isolation</li> <li>ii) Drug therapy                   <ul style="list-style-type: none"> <li>(1) Chemotherapeutic agents</li> <li>(2) Anti-viral agents</li> </ul> </li> <li>iii) Pre and Post-operative care</li> <li>iv) Reporting</li> <li>v) Family support</li> <li>vi) Community referrals</li> </ul> </li> <li>f) Evaluation of outcome criteria</li> <li>2) Rest/Activity               <ul style="list-style-type: none"> <li>a) Pathophysiology                   <ul style="list-style-type: none"> <li>i) Congenital Musculoskeletal Disorders                       <ul style="list-style-type: none"> <li>(1) Hip Displasia</li> <li>(2) Osteogenesis Imperfecta</li> </ul> </li> <li>ii) Acquired Musculoskeletal Disorders                       <ul style="list-style-type: none"> <li>(1) Fractures</li> <li>(2) Legg-Calve-Perthes disease</li> <li>(3) Slipped femoral capital epiphysis</li> <li>(4) Scoliosis</li> <li>(5) Juvenile rheumatoid arthritis</li> </ul> </li> <li>iii) Infectious Diseases                       <ul style="list-style-type: none"> <li>(1) Osteomyelitis</li> </ul> </li> <li>iv) Bone tumors</li> </ul> </li> <li>b) Assessment of factors affecting rest/activity                   <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment</li> <li>iii) Diagnostic tests</li> <li>iv) Laboratory tests</li> </ul> </li> <li>c) Nursing diagnosis</li> </ul> </li> </ul>	<p><b>Computer</b>            Pediatric Nursing #15            Musculoskeletal alterations</p>		

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Wong: chapter 44 pp 1314 - 1336</p> <p>Wong: chapter 42</p>	<ul style="list-style-type: none"> <li>d) Planning</li> <li>e) Implementation <ul style="list-style-type: none"> <li>i) Traction</li> <li>ii) Pavlic harness</li> <li>iii) Milwaukee brace</li> <li>iv) Drug therapy</li> <li>v) Family support</li> </ul> </li> <li>f) Evaluation of outcome criteria</li> <li>3) Pain assessment/management <ul style="list-style-type: none"> <li>a) Developmentally appropriate assessment</li> <li>b) Management <ul style="list-style-type: none"> <li>i) Pharmacologic</li> <li>ii) Non-pharmacologic</li> </ul> </li> </ul> </li> <li>4) Sensory Disorders <ul style="list-style-type: none"> <li>a) Pathophysiology <ul style="list-style-type: none"> <li>i) Hearing impairment</li> <li>ii) Visual impairment <ul style="list-style-type: none"> <li>(1) Retinoblastoma</li> </ul> </li> <li>iii) Cognitive impairment <ul style="list-style-type: none"> <li>(1) Down's syndrome</li> </ul> </li> </ul> </li> <li>b) Assessment of factors affecting sensing <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment</li> <li>iii) Diagnostic tests</li> </ul> </li> <li>c) Nursing diagnosis</li> <li>d) Planning</li> <li>e) Implementation <ul style="list-style-type: none"> <li>i) Age specific nursing care</li> <li>ii) Community referrals</li> </ul> </li> </ul> <p>Alterations in fluid and electrolytes, endocrine and neurologic function</p> </li></ul>	<p><b>Computer</b> Pediatric Nursing # 5 Children with disabilities</p>		<p>Do a pediatric pain assessment</p> <p>Care for a pediatric patient</p>



Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
<p>Wong chapter 47 pp 1545 - 1549</p> <p>Wong: chapter 52</p>	<ul style="list-style-type: none"> <li>iv) Neuromuscular Disease               <ul style="list-style-type: none"> <li>(1) Cerebral palsy</li> <li>(2) Muscular dystrophy</li> </ul> </li> <li>v) Lead poisoning</li> <li>b) Assessment of factors affecting the neurologic system               <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment                   <ul style="list-style-type: none"> <li>(1) Age appropriate signs of increased ICP</li> </ul> </li> <li>iii) Diagnostic tests</li> <li>iv) Laboratory tests</li> </ul> </li> <li>c) Nursing diagnosis</li> <li>d) Planning</li> <li>e) Implementation               <ul style="list-style-type: none"> <li>i) Seizure precautions</li> <li>ii) Drug therapy                   <ul style="list-style-type: none"> <li>(1) Anticonvulsants</li> </ul> </li> <li>iii) Physical therapy</li> <li>iv) Pre and post-operative care</li> <li>v) Family support</li> </ul> </li> <li>f) Evaluation of outcome criteria</li> <li>3) Endocrine               <ul style="list-style-type: none"> <li>a) pathophysiology                   <ul style="list-style-type: none"> <li>i) Alterations in Growth Hormone</li> <li>ii) IDDM in children</li> <li>iii) Congenital Thyroid Dysfunction</li> </ul> </li> <li>b) Assessment of factors affecting endocrine function                   <ul style="list-style-type: none"> <li>i) Etiology</li> <li>ii) Physical assessment</li> </ul> </li> </ul> </li> </ul>	<p><b>Computer</b> Pediatric Nursing #17 Endocrine alterations</p>		

Reading Assignment	Course Content	Learning Activities	Skill Lab	Clinical
Wong: chapter 41	<ul style="list-style-type: none"> <li>iii) Diagnostic tests</li> <li>c) Nursing diagnosis</li> <li>d) Planning</li> <li>e) Implementation               <ul style="list-style-type: none"> <li>i) Diet</li> <li>ii) Medications                   <ul style="list-style-type: none"> <li>(1) Growth hormone</li> <li>(2) Insulin</li> </ul> </li> <li>iii) Glucose monitoring</li> <li>iv) Activity</li> <li>v) Monitoring for complications</li> </ul> </li> <li>f) Evaluation of outcome criteria</li> </ul> <p><b>Unit IV</b> Interdependence Mode</p> <ul style="list-style-type: none"> <li>1) The family in crisis</li> <li>2) Death and Dying               <ul style="list-style-type: none"> <li>a) Grief                   <ul style="list-style-type: none"> <li>i) Age appropriate concepts of death</li> </ul> </li> </ul> </li> </ul>	<p><b>Computer</b> Pediatric Nursing #8 Psychosocial issues</p> <p><b>Video:</b> Children die too</p>		Care for a family in crisis