

Covenant School of Nursing
Instructional Module 5 Learning Guide
Topic: Cardiac Dysfunction in Children

Learning Goals/Outcomes
Upon completion of this lesson, you will be able to: <ul style="list-style-type: none">• Categorize congenital heart defects according to their hemodynamic characteristics.• Evaluate blood flow alterations in pediatric patients with congenital heart defects.• Create a nursing care plan for a pediatric patient with congestive heart failure.• Prioritize nursing care of a pediatric patient experiencing a hypercyanotic spell.• Discuss diagnostic procedures utilized to evaluate pediatric patients with suspected cardiac disease.• Differentiate between types of acquired cardiac disorders.
Pre-Class Preparation
Required: <ul style="list-style-type: none">• Hockenberry, M. & Wilson, D., Rodgers, C. (2017). <i>Wong's essentials of pediatric nursing</i> (10th ed.). St. Louis: Mosby Elsevier. Page 753, Box 23-5 Clinical Manifestations of Heart Failure Page 757, Box 23-6 Common Signs of Digoxin Toxicity in Children Page 759, Nursing Care Guidelines (Treating Hypercyanotic Spells) Recommended: <ul style="list-style-type: none">• Hockenberry Congenital Heart Defects: Pages 744-746, Box 23-1 (Atrial Septal Defect, Ventricular Septal Defect, Patent Ductus Arteriosus) Pages 746-747, Box 23-2 (Coarctation of the Aorta, Aortic Stenosis, Pulmonic Stenosis) Page 748, Box 23-3 (Tetralogy of Fallot) Pages 751-752, Box 23-4 (Hypoplastic Left Heart Syndrome) Acquired Cardiovascular Disorders Pages 765-768 (Infective Endocarditis, Rheumatic Fever) Pages 776-778 (Kawasaki Disease) Additional Resources: <ul style="list-style-type: none">• www.cincinnatichildrens.org• HESI Clinical Skills: Skills for Nursing Collection: Neonatal Collection, Maternal Newborn Collection, and Pediatrics Collection
Learning Activities
Classroom Activities: <ul style="list-style-type: none">• Discussion/Group Activity: Normal cardiac anatomy and blood flow through the heart• Khan Academy videos related to heart defects Laboratory/Clinical: <ul style="list-style-type: none">• Care for patient in clinical setting Online/Out of Class Activities: <ul style="list-style-type: none">•
Evaluation Methods
<ul style="list-style-type: none">• Unit Exam

<ul style="list-style-type: none"> HESI RN Specialty Exam – Pediatric Nursing 	
Texas DECs	QSEN Competencies
Knowledge: IIB1,2,4,7; IIC3; IID1a-d Clinical Judgment: IIB7; IIE1; IIG4	Patient-Centered Care, Evidence Based Practice
IM Student Learning Outcomes	NCLEX Test Plan
1,3,7,8	Pharmacological & Parenteral Therapies: Adverse Effects/Contraindications/Side Effects/Interactions, Dosage Calculation, Expected Actions/Outcomes, Medication Administration; Reduction of Risk Potential: Changes/Abnormalities in Vital Signs, Diagnostic Tests, Laboratory Values, Potential for Alterations in Body Systems, Potential for Complications of Diagnostic Tests/Treatments/Procedures, System Specific Assessments, Therapeutic Procedures; Physiological Adaptation: Alterations in Body Systems, Hemodynamics, Pathophysiology
Concepts	Faculty
<i>Evidence Based Practice, Clinical Judgment, Health Promotion, Perfusion</i>	<i>Cindy Gordey MSN, RN, CCRN-K</i>
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