

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: • 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. • Differentiate between types of acquired cardiac disorders.
Pre-Class Preparation
Required: • Hockenberry, M., Rodgers, C. & Wilson, D. (2022). <i>Wong's essentials of pediatric nursing</i> (11th ed.). St. Louis: Mosby Elsevier. Page 748, Box 23.5 Clinical Manifestations of Heart Failure Page 752, Box 23.6 Common Signs of Digoxin Toxicity in Children Page 754, Nursing Care Guidelines (Treating Hypercyanotic Spells) Recommended: • Hockenberry Congenital Heart Defects: Pages 739-740, Box 23.1 (Atrial Septal Defect, Ventricular Septal Defect, Patent Ductus Arteriosus) Pages 741-742, Box 23.2 (Coarctation of the Aorta, Aortic Stenosis, Pulmonic Stenosis) Page 742-743, Box 23.3 (Tetralogy of Fallot) Pages 745, Box 23.4 (Hypoplastic Left Heart Syndrome) Acquired Cardiovascular Disorders Pages 760-763 (Infective Endocarditis, Rheumatic Fever) Pages 772-773 (Kawasaki Disease) Page 774 (Multisystem Inflammatory Syndrome) Additional Resources: • HESI Clinical Skills: Skills for Nursing Collection: Neonatal Collection, Maternal Newborn Collection, and Pediatrics Collection
Learning Activities
Activities: • Discussion/Group Activity: Normal cardiac anatomy and blood flow pattern • Khan Academy videos related to heart defects • Balloon/Straw activity – resistance/flow/pressures Laboratory/Clinical: • Care for patient in clinical setting Online/Out of Class Activities:
Evaluation Methods

- Unit Exam - HESI RN Specialty Exam – Pediatric Nursing	
Texas DEC's	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
Evidence Based Practice, Clinical Judgment, Health Promotion, Perfusion	Cindy Gordey MSN, RN, CCRN-K
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