Matters of the Neonatal Heart

Content Outline

1. Congenital Heart Disease with a Neonatal Focus
   1.1 Fetal-to-neonatal transition
   1.2 Clinical & laboratory evaluation
   1.3 Impact of genetics
   1.4 Overview of current therapeutic options
   1.5 Murmurs associated with congenital cardiac lesions
   1.6 Cardiac lesions presenting with cyanosis in the neonatal period
   1.7 Cardiac lesions with a primary presentation of heart failure

2. Cardiac Arrhythmias and Bedside Monitoring in the Neonatal Intensive Care Unit
   2.1 Impact of neonatal physiology on interpretation of the newborn electrocardiogram (ECG)
   2.2 Neonatal cardiac arrhythmias
      2.2.1 Arrhythmias classified as benign
      2.2.2 Arrhythmias classified as nonbenign
   2.3 Arrhythmias based on etiologic mechanism
      2.3.1 Intrinsic arrhythmias
      2.3.2 Acquired cardiac arrhythmias
   2.4 Treatment approaches for neonatal arrhythmias
   2.5 Predictive monitoring for late-onset sepsis

Reading Material Resources

Module WB2002: Matters of the Neonatal Heart is based on the resources listed below. A copy of each resource is included with the module.

Chapter 55 Congenital Heart Disease, Scholz T and Reinking BE in Avery’s Diseases of the Newborn, (2018), Elsevier, 801-827

Arrhythmias and Cardiac Bedside Monitoring in the Neonatal Intensive Care Unit, McMullen SL, Critical Care Nursing Clinics of North America (2016), 28, 373-386