Pathophysiology of Hypoglycemia in the Neonate

Content Outline

1. Overview of Essential Elements of Glucose Homeostasis
   1.1 Definition of hypoglycemia
   1.2 Symptoms of brain response & risk of brain damage
      1.2.1 Neurogenic symptoms
      1.2.2 Neuroglycopenic symptoms
   1.3 Glucose thresholds leading to hypoglycemic responses
   1.4 Metabolic responses to hypoglycemia
      1.4.1 Diagnosis based on response of metabolic fuels
   1.5 Fetal glucose regulation

2. Characteristics, Mechanisms & Responses of Transitional Neonatal Hypoglycemia

3. Perinatal Stress Hypoglycemia (Prolonged Neonatal Hyperinsulinism)
   3.1 Characteristics & clinical course

4. Permanent Disorders of Hypoglycemia Presenting in Neonatal Period
   4.1 Congenital hyperinsulinism
   4.2 Congenital hypopituitarism

Reading Material Resources

Module WB1921: Pathophysiology of Hypoglycemia in the Neonate is based on the resource listed below. A copy of the resource is included with the module.