Newborn Complications

Objectives

- Describe pathophysiology, benefits and adverse effects of phototherapy
- Review the clinical use of phototherapy for treatment of hyperbilirubinemia
- Identify common problems of the infant of the diabetic mother
- Summarize the pathophysiology underlying the problems experienced by the infant of the diabetic mother and the clinical management
- Explain the classification, embryology and etiology of craniosynostosis
- Discuss the treatment and prognosis for the neonate with craniosynostosis

Content Outline

1. Phototherapy for Treatment of Hyperbilirubinemia
   1.1 Pathophysiology
   1.2 Mechanisms of therapy
   1.3 Clinical uses
   1.4 Benefits and adverse effects

2. Infant of the Diabetic Mother
   2.1 Complications
      2.1.1 Macrosomia
      2.1.2 Hypoglycemia
      2.1.3 Hypocalcemia
      2.1.4 Respiratory distress syndrome
      2.1.5 Hyperbilirubinemia
      2.1.6 Unexpected fetal death
      2.1.7 Cardiomyopathy
      2.1.8 Congenital anomalies
   2.2 Clinical Management

3. Craniosynostosis
   3.1 Classifications and incidence
   3.2 Embryology
   3.3 Etiology
   3.4 Treatment
   3.5 Prognosis

Reading Material Resources

This self assessment module is based on the resources listed below. A copy of each article is included with the module.

