Maternal Conditions Affecting Pregnancy Outcomes

Content Outline

1.0 Impact of Gestational Diabetes on the Fetus & Newborn
   1.1 Overview of gestational diabetes
   1.2 Fetal & neonatal risks
   1.3 Pregnancy management related to gestational diabetes
   1.4 Implications for neonatal care
      1.4.1 Hypoglycemia
      1.4.2 Transient tachypnea of the newborn (TTN)
      1.4.3 Hyperbilirubinemia

2.0 Impact of Maternal Smoking on Pulmonary Aspects of Fetus & Child
   2.1 Overview & prevalence of smoking during pregnancy
   2.2 Impact of maternal smoking during pregnancy on children
      2.2.1 Childhood respiratory health
      2.2.2 Pulmonary function test results in infants
      2.2.3 Genetic & epigenetic factors impacting effects
   2.3 Effects of in-utero nicotine exposure on lung development
      (animal models)
   2.4 Potential approaches to primary smoking prevention
   2.5 E-cigarette risks related to use in pregnancy
   2.6 Suggestions for future research

3.0 Impact of Maternal Substance Use in Fetus & Newborn
   3.1 Overview of maternal addiction
   3.2 Current status & incidence of neonatal abstinence syndrome
      (NAS)
   3.3 Effects of maternal substance use on fetal development
   3.4 Fetal/neonatal effects of common licit & illicit prenatal
      substance use
   3.5 Primary prevention of maternal drug addiction & neonatal
      abstinence syndrome (NAS)

Reading Material Resources

Module WB1924: Maternal Conditions Affecting Pregnancy Outcomes is based on the 3 resources listed below. A copy of each resource is included with the module.

The Infant Born to a Woman with Gestational Diabetes, Povinelli T, Lim C and Raines DA, Neonatal Network, 36 (4), Jul/Aug 2017, pp 239-242
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