Antepartum Testing and Prenatal Diagnosis

Content Outline

1. Antepartum Testing
   1.1 Maternal fetal movement assessment
   1.2 Contraction stress testing
   1.3 Nonstress testing
   1.4 Biophysical profile
   1.5 Umbilical artery Doppler velocimetry

2. Testing Protocols
   2.1 Indications
   2.2 Frequency
   2.3 Procedure description

3. Test Results and Follow up

4. Prenatal Diagnosis
   4.1 Serum alpha-fetoprotein concentrations
   4.2 Down syndrome screening
      4.2.1 Serum analyses
      4.2.2 Nuchal translucency
      4.2.3 Combined screening
      4.2.4 DNA screening
      4.2.5 Sonographic screening
   4.3 Screening for Genetic Disorders
      4.3.1 Cystic fibrosis
      4.3.2 Sickle hemoglobinopathies
      4.3.3 Ethnicity based diseases
      4.3.4 Types of tests
         4.3.4.1 Amniocentesis
         4.3.4.2 Chorionic fetal sampling
         4.3.4.3 Fetal Sample
   4.4 Screening for Congenital Abnormalities
   4.5 Screening for Other Abnormalities

5. Preimplantation genetic screening

Reading Material Resources

Module WB1613: Antepartum Testing and Prenatal Diagnosis is based on the resources listed below. A copy of the chapter is included with the module.

Antepartum Fetal Surveillance, Practice Bulletin, Number 145, July 2014, pages 1-11