

## Antepartum Fetal Evaluation

### Objectives

- Discuss the various etiologies of perinatal mortality
- Compare and contrast the biophysical techniques of fetal evaluation
- Summarize the concepts of specificity, sensitivity and predictive value as it applies to antepartum testing
- Describe the methods to assess for fetal pulmonary maturation
- Review identified strategies for reducing antepartum fetal deaths

### Content Outline

1. Perinatal Mortality
  - 1.1 Perinatal mortality rate
  - 1.2 Infant mortality rate
  - 1.3 Stillbirth rate
2. Antepartum Testing Effectiveness
  - 2.1 Specificity of testing
  - 2.2 Sensitivity of testing
  - 2.3 Predictive value of testing
3. Antepartum Surveillance Methods
  - 3.1 Maternal assessment of fetal activity
  - 3.2 Nonstress testing
  - 3.3 Contraction stress testing
  - 3.4 Biophysical profile
  - 3.5 Doppler ultrasound
4. Pulmonary Maturation Testing
  - 4.1 L/S ratio
  - 4.2 PG testing
  - 4.3 Surfactant:albumin ratio
  - 4.4 Foam stability index
  - 4.5 Lamellar body count
5. Strategies to Reduce Fetal Deaths

### Reading Material Resources

This self assessment module is based on the resources listed below.

The reading materials are in the form of a PDF file and can be accessed from the online testing center once the module is purchased.

Chapter 11, Antepartum Fetal Evaluation, *Obstetrics Normal and Problem Pregnancies*, Gabbe, et al., Churchill Livingstone, Elsevier, Philadelphia, 2007, page 267-300.