

Objectives

- Review abnormal assessment findings in a neonate with respiratory distress
- Discuss pathophysiology of respiratory diseases in the very low birth weight neonate
- Describe risk factors, diagnosis and management strategies of common respiratory diseases in the very low birth weight neonate

Content Outline

1. Overview
2. Respiratory Distress Syndrome
 - a. Risk factors
 - b. Pathophysiology
 - c. Diagnosis
 - i. Clinical presentation
 - ii. Radiological
 - iii. Laboratory
 - d. Management
 - i. Prevention
 - ii. Management and diagnostic tools
 - iii. Surfactant replacement
 1. Timing
 2. Dosing and administration
 3. Response
 4. Complications
 - iv. Mechanical ventilation
3. Transient Tachypnea of the Newborn
 - a. Pathophysiology
 - b. Diagnosis and presentation
 - c. Management
 - d. Differential
4. Apnea of Prematurity
 - a. Diagnosis
 - b. Definition
 - c. Periodic breathing vs. apnea
 - d. Pathophysiology
 - e. Evaluation
 - f. Management
 - i. Methylxanthines
 - ii. Continuous positive airway pressure
 - g. Discharge management

Reading Material Resources

Module GH1122: Respiratory Diseases is based on the chapter listed below. A copy is included with the module.

Chapter 11, Golden Hours: Care of the Very Low Birth Weight Neonate, Bissinger, R.L., Annibale, D.J., and Fanning, B.A. The National Certification Corporation (NCC), Chicago, IL 2019.