

Stabilization and Initial Management of VLBW Neonates

Objectives

- Evaluate team composition and effective communication
- Describe and assess delivery room and stabilization area preparedness
- Perform effective resuscitation of the VLBW neonate according to NRP guidelines
- Define saturation and temperature goals in the VLBW neonate
- Understand the various ventilation modalities and the appropriate settings and uses
- Apply knowledge of appropriate access and initial fluid management
- Practice neuroprotective strategies in the delivery room and thermal management during transport

Content Outline

1. Overview
2. Team Composition and Communication
3. Preparation of the Delivery and Stabilization Area
4. Cord Clamping
 - a. Vigorous
 - b. Non-vigorous
5. Resuscitation
 - a. Thermoregulation
 - b. Airway
 - i. CPAP
 - ii. PPV
 - iii. Intubation
 - iv. Surfactant
 - c. Cardiovascular resuscitation and stabilization
 - i. Chest compressions
 - ii. Umbilical cord gas
6. Initial Assessment
 - a. Baseline
 - b. Anomalies with immediate intervention
 - c. Hypotension
 - i. Treatment
7. Initial Fluid Management
 - a. Umbilical catheters
 - b. Nutritional needs
 - c. Glucose management
8. Neuroprotection
 - a. Antenatal management
 - b. Postnatal management
9. Thermal Management During Transport

Reading Material Resources-page 2

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Module GH0222: Stabilization and Initial Management of the VLBW Neonates is based on the chapter listed below. A copy is included with the module.

Chapter 2, 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.