Neonatal Resuscitation As Emerging Science

Content Outline

1. Status of Neonatal Resuscitation as an Emerging Science
   1.1 Evolution of the Neonatal Resuscitation Program (NRP)
   1.2 Seventh edition Textbook of Neonatal Resuscitation Guidelines
      1.2.1 Anticipatory predelivery preparation
      1.2.2 Emerging science of timing of umbilical cord clamping
      1.2.3 Emerging science of infants born through MSAF
      1.2.4 Assessment of heart rate & oxygenation
      1.2.5 Emerging science of targeted oxygen saturations in preterm infants
      1.2.6 Ventilation via PPV, endotracheal intubation and LMA
      1.2.7 Emerging science of laryngeal mask airways (LMA)
      1.2.8 Chest compressions & medications
      1.2.9 End of life care & ethical considerations
   1.3 Emerging areas of resuscitation training development & delivery of care

2. Oxygen Saturation Targeting at Birth
   2.1 Overview of oxidative stress and antioxidant defense mechanisms
   2.2 Physiologic changes occurring during fetal to neonatal transition
   2.3 Studies of oxygen saturation at birth & guideline recommendations
   2.4 Studies related to oxygen delivery at birth to term and preterm infants
   2.5 Follow-up based on use of higher or lower initial Fio2 in preterm infants
   2.6 Experts’ suggestions for use of oxygen in the delivery room

Reading Material Resources- Page 2
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Reading Material Resources

Module WB2140: Neonatal Resuscitation As Emerging Science is based on the resources listed below. A copy of each resource is included with the module.


Targeting oxygen in term and preterm infants starting at birth, Vento M, Saugstad, OD, Clinics in Perinatology, 2019, 46, 459-473