

Protocol 700-C8-P

Neonatal Resuscitation

Rev: 2/18

BLS Treatment

- ❖ Neonates are defined as newborn infants up to 30 days old or less
- ❖ Treat life threats. (See Procedure 701 *Life Threats*)
- ❖ Suction/Dry/Stimulate/Warm
- ❖ Evaluate breathing and heart rate – If not breathing adequately, or if heart rate is less than 100 bpm, begin bagging with neonatal BVM.
- ❖ If heart rate is less than 60 bpm, begin compressions.
- ❖ Evaluate color
- ❖ APGAR score is assigned at one and five minutes, as circumstances allow (do not delay critical care treatment to score)
- ❖ **HEART RATE > 60 BPM**
 - Monitor breathing, ventilate with neonatal BVM @100 % O₂ if respirations are weak or absent
 - Administer O₂ @ 100% if lips are blue via BLOW BY oxygen (even if patient has adequate spontaneous respirations)
 - Prepare for transport/transfer of care
 - Keep as warm as possible throughout resuscitation.
- ❖ **HEART RATE < 60 BPM**
 - CPR (when heart rate >100 and spontaneous respirations return, discontinue compressions but continue to provide supplemental O₂).
 - Prepare for transport/ transfer of care
 - Keep as warm as possible throughout resuscitation.

ALS Treatment

- ❖ **HEART RATE < 60 BPM**
 - Cardiac monitor.
 - IV NS bolus 10cc/kg
 - Administer **Epinephrine** 0.01mg/kg (0.1ml/kg) I:10,000 IV/IO. May repeat every 3-5 minutes.
 - Transport.
 - Consider Heel Stick Blood Glucose. For neonates, if BG < 45 mg/dl or for age > 1 y/o if BG<60mg/dl give **Dextrose** 10% 5ml/kg IV/IO.
 - Contact Base Station.
 - Keep as warm as possible throughout resuscitation.



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