



San Benito County Emergency Medical Services Agency

NEONATAL RESUSCITATION

Policy : C8-P
Effective : May 1, 2014
Reviewed : March 1, 2014

Neonates are defined as newborn infants up to 30 days old or less

I. BLS Treatment Protocol:

Suction /Dry/Stimulate/Warm

- A. Evaluate breathing and heart rate – If not breathing adequately, or if heart rate is less than 100 bpm, begin bagging with neonatal BVM.
- B. If heart rate is less than 60 bpm, begin compressions.
- C. Evaluate color
- D. APGAR score is assigned at one and five minutes, as circumstances allow (do not delay critical care treatment to score)

RESUSCITATIVE ACTIONS

IF HEART RATE IS ABOVE 100 BPM

- A. Monitor breathing, ventilate with neonatal BVM @ 100% O₂ if respirations are weak or absent.
- B. Administer O₂ @ 100% if lips are blue via BLOW BY oxygen (even if patient has adequate spontaneous respirations).
- C. Prepare for transport/transfer of care.
- D. Keep as warm as possible throughout resuscitation.

IF HEART RATE IS BETWEEN 60-100 BPM

- A. Ventilate with neonatal BVM @ 100% O₂ if respirations are weak or absent.
- B. Administer O₂ @ 100% if lips are blue via BLOW BY oxygen (even if patient has adequate spontaneous respirations).
- C. Prepare for transport/transfer of care.
- D. Keep as warm as possible throughout resuscitation.

IF HEART RATE IS LESS THAN 60 BPM

- A. CPR (when heart rate >100 and spontaneous respirations return, discontinue compressions but continue to provide supplemental O₂).
- B. Prepare for transport/transfer of care
- C. Keep as warm as possible throughout resuscitation.

II. ALS Treatment Protocol:

IF HEART RATE IS LESS THAN 60 BPM

- A. Advanced airway management, if ETT confirm with pediatric end-tidal CO₂ detector.
- B. Cardiac Monitor.
- C. IV NS bolus 10cc/kg
- D. Administer Epinephrine 0.01 mg/kg (0.1 ml/kg) 1:10,000 IV/IO. May repeat every 3-5 minutes.
- E. Transport.
- F. Consider Heel Stick Blood Glucose. If BG<70 mg/dl give Dextrose 10% 5ml/kg IV/IO.
- G. Contact Base Station.
- H. Keep as warm as possible throughout resuscitation.