



County of Santa Cruz

HEALTH SERVICES AGENCY

POST OFFICE BOX 962, 1080 EMELINE AVENUE SANTA CRUZ, CA 95061-0962

(831) 454-4120 FAX: (831) 454-4488 TDD: (831) 454-4123

EMERGENCY MEDICAL
SERVICES PROGRAM

Protocol No. C8-P
Reviewed 4/1/2013

Emergency Medical Services Program

Approved

Medical Director

Subject: NEONATAL RESUSCITATION

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

I. BLS Treatment Protocol:

- A. Suction/Dry/Stimulate/Warm
- B. Evaluate breathing and heart rate – If not breathing adequately, **or** if heart rate is less than 100 bpm, begin bagging with neonatal BVM.
- C. If heart rate is less than 60 bpm, begin compressions.
- D. Evaluate color
- E. 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 0.01mg/kg (0.1ml/kg) 1:10,000 IV/IO. May repeat every 3-5 minutes.
- E. Transport.
- F. Consider Heel Stick Blood Glucose. If BG<70mg/dl give Dextrose 10% 5ml/kg IV/IO.
- G. Contact Base Station.
- H. Keep as warm as possible throughout resuscitation.