

**San Joaquin County  
Emergency Medical Services Agency**

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## BLS Neonatal Resuscitation

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**AUTHORITY:** Division 2.5, Health and Safety Code, Sections 1797.220 & 1798 et al.

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**OBJECTIVE FINDINGS:**

Patients less than 24 hours of age.

Heart Rate.

**TREATMENT:**

1. Position airway and suction mouth and nose with bulb syringe.
2. Warm – Dry neonate and keep warm with thermal blankets or dry towel.
3. Stimulate neonate by drying vigorously including head and back.
4. Assess/evaluate breathing and heart rate (APGAR).
5. Ensure ALS transport.

**Heart Rate > 100 beats per minute**

1. Assess skin color – if peripheral cyanosis (blue skin) is present administer 100% oxygen via blow by.
2. Reassess heart rate and respiratory rate every 30-60 seconds.

**Heart Rate 80 – 100 beats per minute**

1. Oxygen 100% via mask.
2. Stimulate neonate.
3. Reassess – if heart rate < 100 after 30 seconds of oxygen and stimulation, begin assisted ventilation with 100% oxygen via neonatal BVM at 40-60 breaths per minute.
4. Reassess heart rate and respirations every 15-30 seconds.

**Heart Rate 60 – 80 beats per minute**

1. Assist ventilations with 100% oxygen via neonatal BVM at 40-60 breaths per minute.
2. Start CPR 120 compressions per minute, if no increase in heart rate following initiation of ventilations. If heart rate is increasing, continue ventilation without compressions for 15-30 seconds. **Note:** Preferred compression technique – encircling neonate with both hands and compressing sternum with thumbs.
3. Reassess heart rate and respirations every 15-30 seconds.

**Heart Rate < 60 beats per minute**

1. Assist ventilations with 100% oxygen via neonatal BVM at 40-60 breaths per minute.
2. Start CPR 120 compressions per minute.
3. Reassess heart rate and respirations every 15-30 seconds.

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Page 1 of 1

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Approved: Signature on file  
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EMS Administrator