

NEWBORN RESUSCITATION

ALWAYS USE BODY SUBSTANCE ISOLATION PRECAUTIONS

INDICATION

- Prehospital delivery of a newborn

CRITICAL INFORMATION

- Assess for term gestation, crying or breathing, heart rate, and muscle tone.
- Use length based color-coded resuscitation tape, apply corresponding wrist band, and treat according to tape recommendations.

TREATMENT

- Provide routine newborn care if no abnormal findings on initial exam (see assessment above).
 - Provide warmth
 - Clear airway if necessary
 - Dry / stimulate
- If weak / absent respiratory effort or decreased / absent muscle tone:
 - Provide warmth
 - Open airway
 - Stimulate
- Reassess heart rate and respiratory effort
 - If HR > 100/MIN, breathing is unlabored, and patient's color improves, continue supportive care
 - If HR > 100/MIN and breathing is labored and color does not improve, provide supplemental O₂
 - If HR < 100/MIN perform BVM at 40-60 per minute; consider ETT
 - If HR remains < 60/MIN perform BVM with chest compressions
 - 90 compressions / 30 ventilations per minute
 - If HR < 60 continues, perform endotracheal intubation and administer **Epinephrine** 1:10,000 0.01mg/kg ET/IO/IV (may give up to 0.1mg/kg via ET). Repeat every 3-5 min
- IV/IO if not previously initiated
- Administer fluid bolus of 10 ml/kg IV/IO
- Assess for hypoglycemia and treat as needed
- Continuous assessment of heart rate and respiratory effort en route

SPECIAL CONSIDERATIONS

- **Epinephrine** administration is indicated for asystole or spontaneous heart rate less than 60 beats per minute despite adequate ventilation with 100% oxygen and chest compressions after 30 seconds. Epinephrine by ETT is the fastest route and minimizes delay in resuscitation.
 - **Narcan** is contraindicated in neonatal resuscitation.
- Clamp and cut cord after one minute.
- Peripheral cyanosis is normal.

DOCUMENTATION- ESSENTIAL ELEMENTS

- Presence of meconium
- APGAR score at 1 and 5 minutes

APGAR SCORE			
Sign	0	1	2
Heart rate (bpm)	Absent	Slow (<100)	≥100
Respirations	Absent	Slow, irregular	Good, crying
Muscle tone	Limp	Some flexion	Active motion
Reflex irritability	No response	Grimace	Cough, sneeze, cry
Color	Blue or pale	Pink body with blue extremities	Completely pink