



**Newborn Care/Neonatal Resuscitation**

Approval: Troy M. Falck, MD – Medical Director

Effective: 04/01/2025

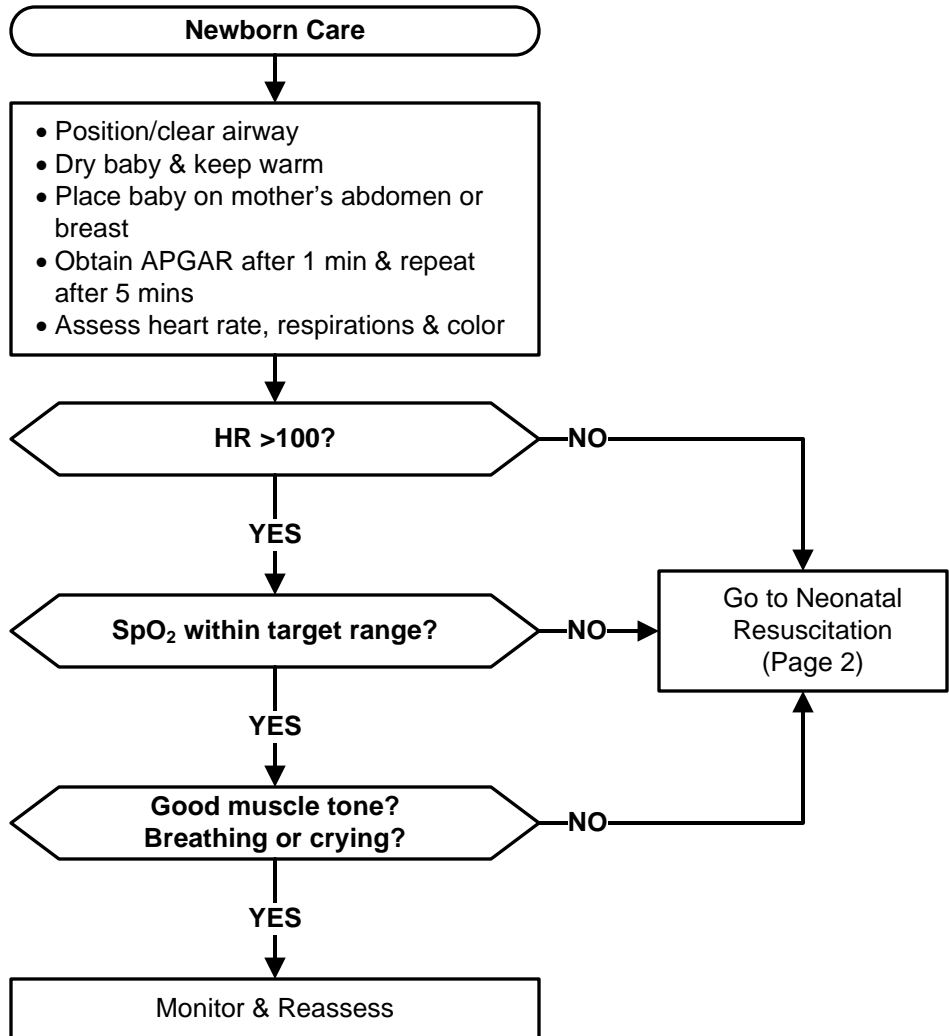
Approval: John Poland – Executive Director

Next Review: 01/2028

- A newborn/neonate is a child ≤28 days of age.
- Initial & ongoing assessments are critical to identifying and correcting life threats.
- If resuscitation is not required, EMS personnel should prioritize the following:
  - Whenever possible keep mother & baby together.
  - Maintain skin-to-skin contact between mother & baby.
  - Keep the baby warm – dry & cover the head, hands & feet.

**APGAR SCORE**

	<b>Sign/Score</b>	<b>0</b>	<b>1</b>	<b>2</b>
<b>A</b>	Appearance	Blue/Pale	Peripheral cyanosis	Pink
<b>P</b>	Pulse Rate	None	<100	>100
<b>G</b>	Grimace	None	Grimace	Cries
<b>A</b>	Activity	Limp	Some motion	Active
<b>R</b>	Respiration	Absent	Slow/irregular	Good/strong cry



**Target SpO2 after birth**

- 1 min: 60% - 65%
- 2 min: 65% - 70%
- 3 min: 70% - 75%
- 4 min: 75% - 80%
- 5 min: 80% - 85%
- 10 min: 85% - 95%



**Newborn Care/Neonatal Resuscitation**

**\*Airway/Ventilation**

- Position in a “sniffing” position to open the airway & clear secretions with a bulb syringe if necessary.
- If no improvement, & chest is not moving with BVM ventilation, the trachea may be obstructed by thick secretions/meconium. Use a bulb syringe, or suction catheter if necessary, to clear the nose, mouth & oropharynx.
- Convert from room air to high flow O<sub>2</sub> for persistent bradycardia &/or cyanosis.
- If HR persistently <60, consider hypovolemia &/or pneumothorax.
- Target SpO<sub>2</sub> after birth:
  - 1 min: 60% - 65%
  - 2 min: 65% - 70%
  - 3 min: 70% - 75%
  - 4 min: 75% - 80%
  - 5 min: 80% - 85%
  - 10 min: 85% - 95%

**\*\*Fluid Bolus**

- Contact the base/modified base hospital for specific fluid bolus volume direction.

