



**Pediatric Specific
NEWBORN CARE ASSESSMENT
Practice Guideline**

Patient Care Goals:

1. Provide routine care to the newly born infant
2. Perform a neonatal assessment
3. Rapidly identify newly born infants requiring resuscitative efforts
4. Provide appropriate interventions to minimize distress in the newly born infant
5. Recognize the need for additional resources based on patient condition and/or environmental factors

Patient Presentation:

Inclusion Criteria
Newly born infants

Exclusion criteria
Documented gestational age <20 weeks (if any doubt about accuracy of gestational age, initiate resuscitation)

Patient Management

Oxygen administration:

- Provide blow-by oxygen as needed

Suction

- If thick secretions or meconium are present with signs of distress, suction mouth first, nose second, then stimulate further

BVM and ventilation corrective steps

- BVM with room air at 40-60 breaths/min, minimal volume to see chest rise
- Primary indicator of effective ventilations is HR
- If no improvement after 90 sec on room air, increase oxygen to 100% FiO2 until HR normalizes

Chest Compressions:

- Two-thumb-encircling hands technique preferred
- Coordinate compressions and BVM (3:1 ratio, 90 compressions and 30 breaths per minute)

Target Preductal (R hand) O2 saturation after birth:

- 1 min: 60-65%
- 5 min: 80-85%
- 10 min: 85-95%

Consider underlying causes in those whose HR fails to improve with ventilation efforts (hypovolemia, pneumothorax, congenital airway anomalies)

Medication (when resuscitation is indicated)

- Epinephrine 1mg/10 mL (1:10,000)
- 0.01 mg/kg IV/IO
- Max dose of 1mg
- May repeat q 3 to 5 mins

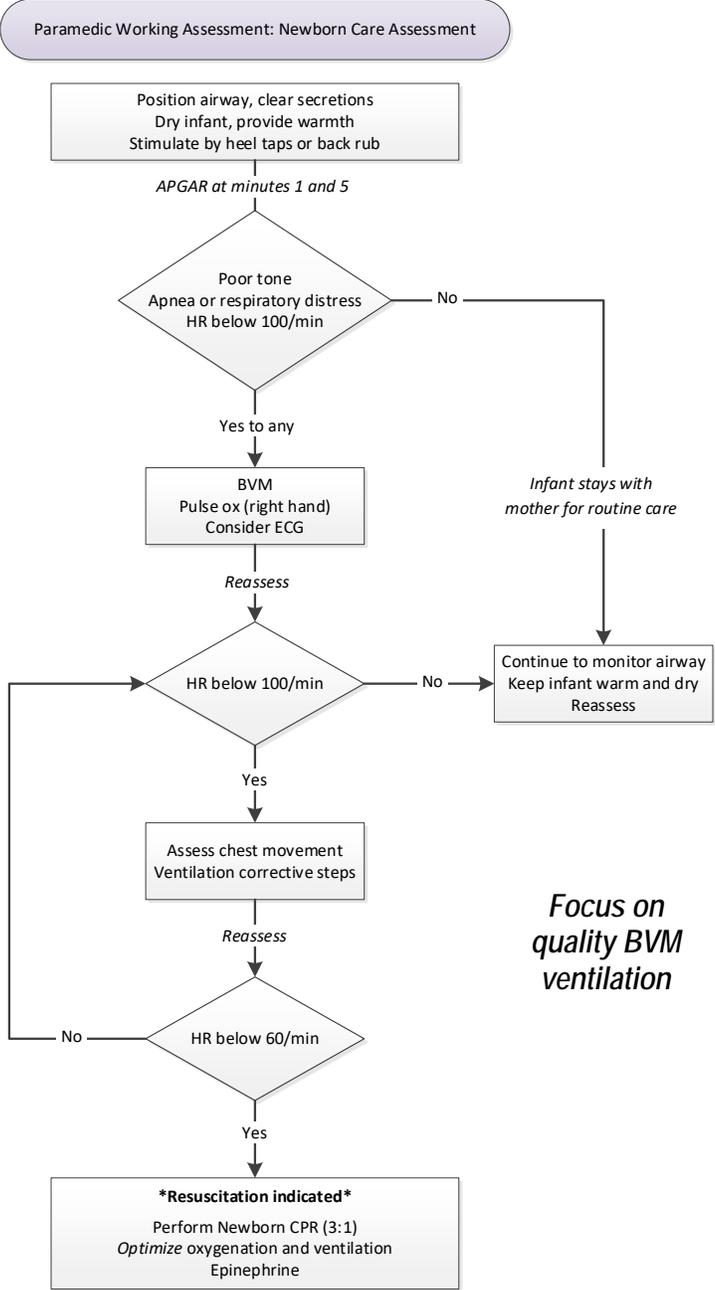
Patient Safety Considerations

- Hypothermia is common--ensure heat retention at all times: dry thoroughly, wrap in dry cloth, skin to skin warming if stable and not impeding care
- Routine use of lights and sirens is not recommended during transport unless hemodynamically unstable

Quality Improvement:

Key Documentation Elements

1. Date and time of birth
2. History (prenatal, birth/delivery complications)
3. Estimated gestational age
4. HR (precordium, brachial, or umbilical stump)
5. Muscle tone, appearance, color, APGAR
6. Interventions



APGAR Scoring Chart			
SIGN	2	1	0
APPEARANCE	All pink	Blue extremities, pink torso	Blue
PULSE	≥100	<100	Absent
GRIMACE	Strong grimace	Some facial grimace	Absent
ACTIVITY	Good extremity flexion	Some extremity flexion	Limp
RESPIRATORY EFFORT	Strong cry	Weak cry	Absent

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