NEONATAL RESUSCITATION ALGORITHM

ProMed CERTIFICATIONS

Antenatal counseling.
Team briefing.
Equipment check.

BIRTH

Term gestation?
Good tone?
Breathing or crying?

YES → Stay with mother for initial steps, routine care, ongoing evaluation.

NO

1 MINUTE

Warm, dry, stimulate, position airway, suction if needed.

Apnea or gasping?
HR <100 bpm?

NO → Labored breathing or persistent cyanosis?

YES

YES

PPV.
Pulse oximeter.
Consider cardiac monitor.

Position airway, suction if needed.
Pulse oximeter. O_2 if needed.
Consider CPAP.

HR <100 bpm?

NO → Post-resuscitation care.
Team debriefing.

YES

Ensure adequate ventilation.
Consider ETT or laryngeal mask.
Cardiac monitor.

NO

HR <60 bpm?

YES

ETT or laryngeal mask.
Chest compressions.
Coordinate with PPV- 100% O_2.
UVC.

NO

HR <60bpm?

YES

IV epinephrine every 3-5 minutes.
If HR remains <60 bpm,
• Consider hypovolemia.
• Consider pneumothorax.

Target O_2 Saturation Table	
1 min	60% - 65%
2 min	65% - 70%
3 min	70% - 75%
4 min	75% - 80%
5 min	80% - 85%
10 min	85% - 95%
Initial O_2 concentration for PPV	
~ 35 weeks' GA	21% O_2
< 35 weeks' GA	21% - 30% O_2

This Algorithm is based on the latest (2020) American Heart Association standards and guidelines

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