

**NEO CAPSULE****NEONATAL RESUSCITATION  
ALGORITHM****\*Sindhu Sivanandan****Points to Remember**

- *The newborn chain of care starts with prenatal care and extends to recovery and appropriate follow-up in the postnatal period to ensure optimal short- and long-term outcomes.*
- *Anticipate and prepare for resuscitation. Team briefing, equipment check and antenatal counseling are important steps.*
- *Discuss cord management plan before birth. Delay clamping cord for a minimum of 60 seconds if the neonate does not require resuscitation at birth*
- *Effective ventilation of the lungs, indicated by an increasing heart rate, is the most important step in resuscitation.*
- *Ventilation corrective steps, including the use of an alternative airway (laryngeal mask or endo-tracheal intubation), may be required if the heart rate does not rise with assisted ventilation with a face mask.*
- *Pulse oximetry is used to guide oxygen therapy and meet oxygen saturation target ranges.*
- *Chest compressions are indicated if the heart rate remains less than 60 beats per minute after appropriate ventilation corrective steps, including endo tracheal intubation.*

- *If the heart rate remains less than 60 beats per minute after chest compressions, epinephrine is indicated, preferably via an intravascular route.*
- *If all steps of resuscitation are effectively completed and there is no heart rate detected by 20 minutes, discontinuation of care may be discussed with the team and family.*

**Bibliography**

1. Liley HG, Weiner GM, Wyckoff MH, Rabi Y, Schmölzer GM, de Almeida MF, et al. Neonatal Life Support: 2025 International Liaison Committee on Resuscitation Consensus on Science with Treatment Recommendations. *Circulation*. 2025; 152(16\_suppl\_1): S165-204.
2. Wyckoff MH, Wyllie J, Aziz K, de Almeida MF, Fabres JW, Fawke J, et al. Neonatal Life Support 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. *Resuscitation*. 2020; 156:A156-187.

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