Newborn Life Support

At all stages ask: do you need help?

Term gestation? Breathing or crying? Good tone?

YES  Maintain normal temperature, Ongoing evaluation

NO   Stay with Mother

Maintain normal temperature, Ensure open airway, Stimulate

NO   Laboured breathing or persistent cyanosis?

YES  Positive pressure ventilation SpO₂ monitoring

NO   Ensure open airway SpO₂ monitoring Consider CPAP

YES  HR below 100?

NO   Post-resuscitation care

HR below 100?

YES  Ensure open airway Reduce leaks Consider:
     Increase pressure & oxygen
          Intubation or laryngeal mask

NO   Targeted pre-ductal SpO₂ after birth
     1 min  60-70%
     2 min  65-85%
     3 min  70-90%
     4 min  75-90%
     5 min  80-90%
     10 min 85-90%

HR below 60?

YES  Three chest compressions to each breath
     100% oxygen
          Intubation or laryngeal mask
              Venous access

NO   IV Adrenaline Consider volume expansion

YES  IV Adrenaline 1:10,000 solution

Gestation (weeks)   Dose
23-26               0.1 mL
27-37               0.25 mL
38-43               0.5 mL
10-30 mcg/kg (0.1-0.3 mL/kg)

Reviewed August 2023