apls
Advanced Paediatric Life Support

Newborn life support

Newborn Life Support

At all stages ask: do you need help?

1 minute

Term gestation? Breathing or crying? Good tone?

YES → Stay with Mother → Maintain normal temperature, Ongoing evaluation

NO → Maintain normal temperature, Ensure open airway, Stimulate

HR below 100? Gasping or apnoea?

NO → Laboured breathing or persistent cyanosis?

YES → Positive pressure ventilation SpO_2 monitoring

Laboured breathing or persistent cyanosis?

NO → Maintain normal temperature, Ongoing evaluation

YES → Ensure open airway SpO_2 monitoring Consider CPAP

HR below 100?

NO → Ensure open airway SpO_2 monitoring Consider CPAP

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

Ensure open airway SpO_2 monitoring Consider CPAP → Post-resuscitation care

HR below 60?

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

HR below 60?

YES → IV Adrenaline Consider volume expansion

Targeted pre-ductal SpO_2 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%

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 microg/kg (0.1-0.3 mL/kg)

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AUSTRALIAN RESUSCITATION COUNCIL

NEW ZEALAND Resuscitation Council WHAKAHAUORA AOTEAROA