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?

NO ↑ (to Maintain normal temperature, Ongoing evaluation)

YES
↓

Positive pressure ventilation
SpO$_2$ monitoring
↓

YES ↓

Ensure open airway
SpO$_2$ monitoring
Consider CPAP

HR below 100? → **NO** →

YES
↓

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

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

Time	SpO$_2$
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)