Newborn Life Support

At all stages ask: do you need help?

Term gestation? Breathing or crying? Good tone?

YES
Maintain normal temperature, Stay with Mother
Ensure open airway, Ongoing evaluation
Stimulate

NO

Maintain normal temperature,
Ensure open airway,
Stimulate

HR below 100?

YES
Laboured breathing or persistent cyanosis?

NO

Gasping or apnoea?

No

YES
Positive pressure ventilation
SpO₂ monitoring

NO

HR below 100?

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

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

IV Adrenaline 1:10,000 solution

<table>
<thead>
<tr>
<th>Gestation (weeks)</th>
<th>Dose</th>
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</thead>
<tbody>
<tr>
<td>23-26</td>
<td>0.1 mL</td>
</tr>
<tr>
<td>27-37</td>
<td>0.25 mL</td>
</tr>
<tr>
<td>38-43</td>
<td>0.5 mL</td>
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</tbody>
</table>

10-30 microg/kg (0.1-0.3 mL/kg)

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