Newborn Life Support

At all stages ask: do you need help?

1 minute

Term gestation? Breathing or crying? Good tone?

- YES
  - Maintain normal temperature, Ensure open airway, Stimulate

  HR below 100? Gaspng or apnoea?

  - NO
    - Maintain normal temperature, Ongoing evaluation

  - YES
    - Positive pressure ventilation, SpO₂ monitoring

HR below 100?

- NO
  - Laboured breathing or persistent cyanosis?

  - NO
    - Ensure open airway, SpO₂ monitoring, Consider CPAP

  - YES
    - Post-resuscitation care

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

HR below 60?

- 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%

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

HR below 60?

- YES
  - IV Adrenaline, Consider volume expansion

IV Adrenaline 1:10,000 solution

<table>
<thead>
<tr>
<th>Gestation (weeks)</th>
<th>Dose</th>
</tr>
</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 mcg/kg (0.1-0.3 mL/kg)

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