Newborn Life Support

At all stages ask: do you need help?

1 minute

Term gestation? Breathing or crying? Good tone?  
NO  
Maintain normal temperature, Ensure open airway, Stimulate

HR below 100? Gasping or apnoea?  
YES  
Positive pressure ventilation SpO₂ monitoring

NO  
Laboured breathing or persistent cyanosis?  
YES  
Ensure open airway SpO₂ monitoring Consider CPAP

NO  
Post-resuscitation care

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 100?  
YES  
Ensure open airway Reduce leaks Consider: Increase pressure & oxygen Intubation or laryngeal mask

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