Neonatal resuscitation

Newborn Life Support

At all stages ask: do you need help?

Term gestation? Breathing or crying? Good tone?

YES

Maintain normal temperature, Ensure open airway, Stимуляция

NO

Maintain normal temperature, Ensure open airway, Stимуляция

HR below 100? Gasping or apnoea?

YES

Positive pressure ventilation СаO₂ monitoring

NO

Ensure open airway

HR below 100?

YES

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

NO

HR below 100?

YES

Ensure open airway

HR below 60?

YES

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

NO

Ensure open airway

HR below 60?

YES

IV Adrenaline
Consider volume expansion

NO

Laboured breathing or persistent cyanosis?

YES

Ensure open airway СаO₂ monitoring
Consider CPAP

POST-RESUSCITATION CARE

Targeted pre-ductal СаO₂ 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

<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>
</tr>
<tr>
<td>10-30 mcg/kg (0.1–0.3 mL/kg)</td>
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</tbody>
</table>

Abbreviations: CPAP Continuous positive airway pressure; HR Heart rate; СаO₂ Peripheral capillary oxygen saturation

January 2016

Queensland Clinical Guidelines Neonatal resuscitation MN16.5-V4-R21