

**Document Owner:**

Neonatal Programs – Senior Practice Leader

**Purpose of Document(s):**

Providing prompts to prevent fixation errors and to serve as a ready reckoner for ongoing care and management during advanced resuscitation.

**Applicability**

BC Women's Hospital + Health Centre

**Version History**

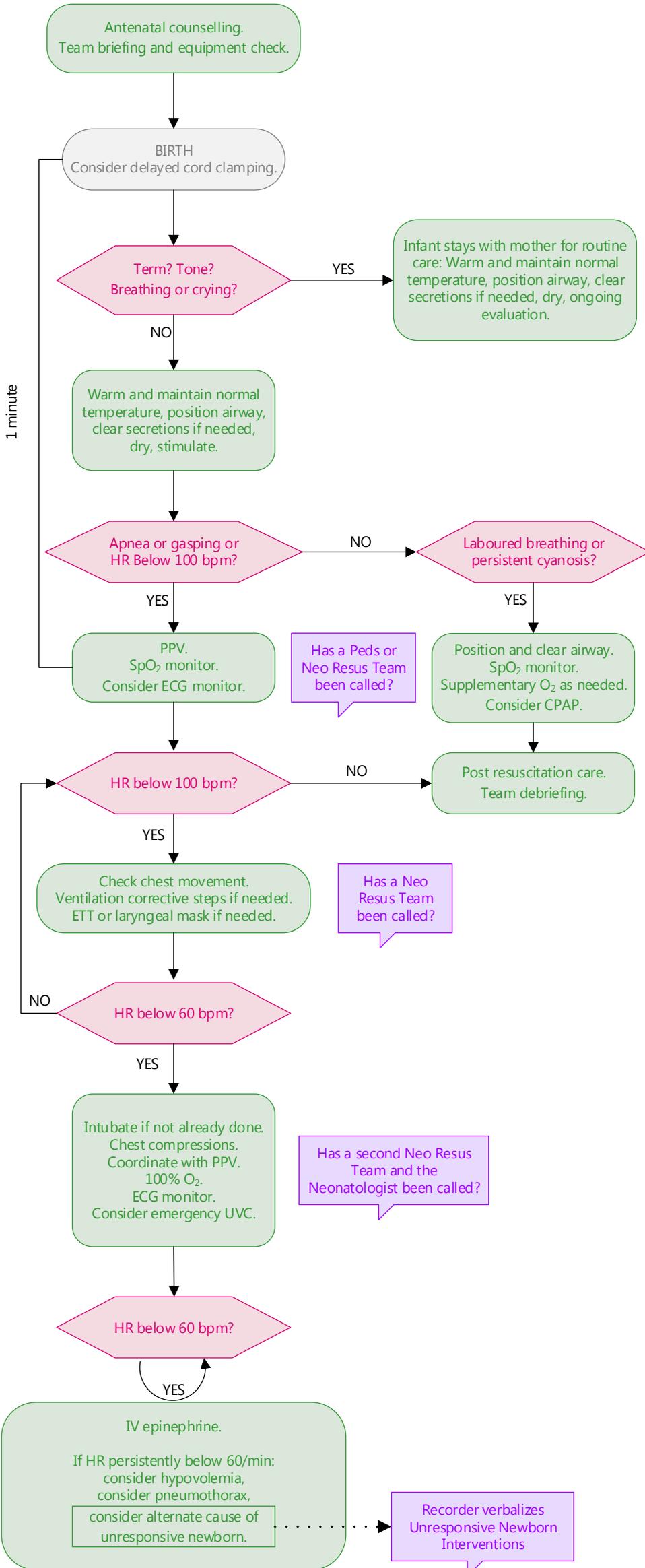
DATE	DOCUMENT NUMBER and TITLE	ACTION TAKEN
26-Jun-2019	C-06-01-60292 Neonatal Resuscitation Algorithm	Approved at: Neonatal Leadership Committee

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# Neonatal Resuscitation Algorithm – 2015 Update

In 2019 additions were made to best suit BC Women's needs.



Targeted Preductal SpO <sub>2</sub> After Birth	
1 min	60% - 65%
2 min	65% - 70%
3 min	70% - 75%
4 min	75% - 80%
5 min	80% - 85%
10 min	85% - 95%

MR SOPPA	
<b>M</b>	Mask adjustment (consider 2-hand technique)
<b>R</b>	Reposition (head neutral or slightly extended)
<b>S</b>	Suction mouth (depth = nose tip to ear tragus)
<b>O</b>	Open mouth Once seal achieved, evaluated chest movement, air entry, then heart rate
<b>P</b>	Pressure increase to 25/5 cmH <sub>2</sub> O Once seal achieved, evaluated chest movement, air entry, then heart rate
<b>P</b>	Pressure increase to 30/5 cmH <sub>2</sub> O Once seal achieved, evaluated chest movement, air entry, then heart rate
<b>A</b>	Airway alternative (ETT or LMA) Evaluated chest movement, air entry, CO <sub>2</sub> detector, and then heart rate <ul style="list-style-type: none"> <li>Continue pressure 30/5 cmH<sub>2</sub>O and assess the need for decreasing pressure when the heart rate is above 100bpm</li> <li>Consider the need to increase pressure incrementally to a maximum 40/5 cmH<sub>2</sub>O</li> </ul>

The DOPE Mnemonic	
<b>D</b>	Displaced Endotracheal Tube
<b>O</b>	Obstructed Endotracheal Tube
<b>P</b>	Pneumothorax
<b>E</b>	Equipment Failure

Unresponsive Newborn Interventions
Neonatologist Involved in Management
Access → UVC or IO
Volume Expansion → 0.9% NS or Uncross matched PRBCs
Gastric Decompression → NGT/OGT
Needle Decompression
Pulses → Brachial and Femoral
Pre/Postductal Saturations
Normothermia
Medication <ul style="list-style-type: none"> <li>Inotropes</li> <li>PGE<sub>1</sub></li> <li>iNO</li> </ul>
Defibrillation/Cardioversion
Pericardiocentesis
Consult <ul style="list-style-type: none"> <li>Cardiology</li> <li>ENT/Anaesthesia</li> <li>ECLS Activation</li> </ul>