**Neonatal Resuscitation Algorithm**

Text in cascading boxes describes the actions that providers should perform in sequence when giving neonatal resuscitation. Arrows guide the provider from one box to the next as the provider performs the actions. Some boxes have 2 arrows that lead outward, each to a different pathway depending on the outcome of the most recent action taken. Pathways are hyperlinked.

**Box 1**
Antenatal counseling
Team briefing and equipment check
Note that Boxes 2 through 9 should take 1 minute.

**Box 2**
Birth

**Box 3**
How is the term gestation?
Is there good tone?
Is there breathing or crying?
If No, proceed to Box 5.
If Yes, proceed to Box 4.

**Box 4**
Infant stays with the mother for routine care: keep the infant warm and maintain normal temperature, position airway, clear secretions if needed, dry.
There is ongoing evaluation.

**Box 5**
Keep the infant warm and maintain normal temperature, position airway, clear secretions if needed, dry, stimulate.

**Box 6**
Is there apnea or gasping?
Is the heart rate below 100 per minute?
If No, proceed to Box 7.
If Yes, proceed to Box 10.

**Box 7**
Is there labored breathing or persistent cyanosis?
If Yes, proceed to Box 8.

**Box 8**
Position and clear the airway
SpO₂ monitor
Supplementary oxygen as needed
Consider CPAP

**Box 9**
Postresuscitation care
Team debriefing

**Box 10**
PPV
SpO₂ monitor
Consider ECG monitor
Box 11
Is the heart rate below 100 per minute?
If No, proceed to Box 9.
If Yes, proceed to Box 12.

Box 12
Check chest movement
Ventilation corrective steps if needed
ETT or laryngeal mask if needed

Box 13
Is the heart rate below 60 per minute?
If No, return to Box 11.
If Yes, proceed to Box 14.

Box 14
Intubate if not already done.
Chest compressions.
Coordinate with PPV
100% oxygen
ECG monitor
Consider emergency UVC

Box 15
Is the heart rate below 60 per minute?
If Yes, proceed to Box 16.

Box 16
IV epinephrine
If HR is persistently below 60 per minute
Consider hypovolemia
Consider pneumothorax

Sidebar

Targeted Preductal SpO2 After Birth
- 1 minute is 60% to 65%
- 2 minutes is 65% to 70%
- 3 minutes is 70% to 75%
- 4 minutes is 75% to 80%
- 5 minutes is 80% to 85%
- 10 minutes is 85% to 95%