



An Uncomplicated Birth

Educational Focus

Scenario Outline

This scenario presents the vaginal birth of a healthy, full-term infant with clear amniotic fluid. Learners are expected to prepare for the birth by asking the 4 pre-birth questions, assembling a resuscitation team based on assessment of perinatal risk and performing the equipment check. This scenario presents no risk factors that increase the likelihood of resuscitation; therefore, a single learner may manage this newborn. The infant, who stays with her mother, remains persistently cyanotic, necessitating placement of a pulse oximeter and recognition of appropriate oxygen saturation for the newborn's age in minutes.

Learning Objectives

Upon completion of the simulation, the learners will be able to:

- Demonstrate correct technique for performing initial steps of newborn care with the newborn placed on the mother's chest or abdomen
- Demonstrate accuracy when counting a newborn's heart rate
- Demonstrate correct placement of the oximeter sensor and interpret the target oxygen saturation table to guide oxygen administration

Debriefing Points

Points for discussion during debriefing could include:

- Criterier for deciding if the newborn should stay with the mother or be moved to the radiant warmer
- · Indications for use of supplemental oxygen
- · Use of NRP Key Behavioral Skills

Reference Materials

Textbook of Neonatal Resuscitation, 8th edition, Lesson 2: Anticipating and Preparing for Resuscitation

Textbook of Neonatal Resuscitation,8th edition, Lesson 3: Initial Steps of Newborn Care

Setup & Simulation

Equipment

For setup:

- Damp, lightly blood-stained blanket or towel
- · Segment of simulated umbilical cord
- · Simulated amniotic fluid or water
- Simulated blood

For use during simulation:

- · All items included in the NRP Quick Equipment Checklist
- · Umbilical cord clamps

Setup & Preparation

- Setting: Delivery room.
- Moisten the simulator's skin with simulated amniotic fluid and blood and insert the umbilical cord segment into the abdomen.
- Wrap the simulator in a damp, lightly blood-stained blanket or towel, without a diaper, and place it under a blanket or towel on the mother's abdomen.

Learner Brief

Provide this information to the participants as they enter the simulation:

You are called to attend a vaginal birth. The mother is a 24-year old woman who has been admitted in active labor. The obstetric provider is present. Please prepare for the birth.

Additional Information

Provide this information to the participants, if asked during simulation:

Gestational age: 39 2/7 weeks
Amniotic fluid: Clear
Additional risk factors: None known
Estimated fetal weight: 3500 g (7 lb 11 oz).
Umbilical cord management plan: Plan to delay cord

clamping for 30-60 seconds

if baby is vigorous



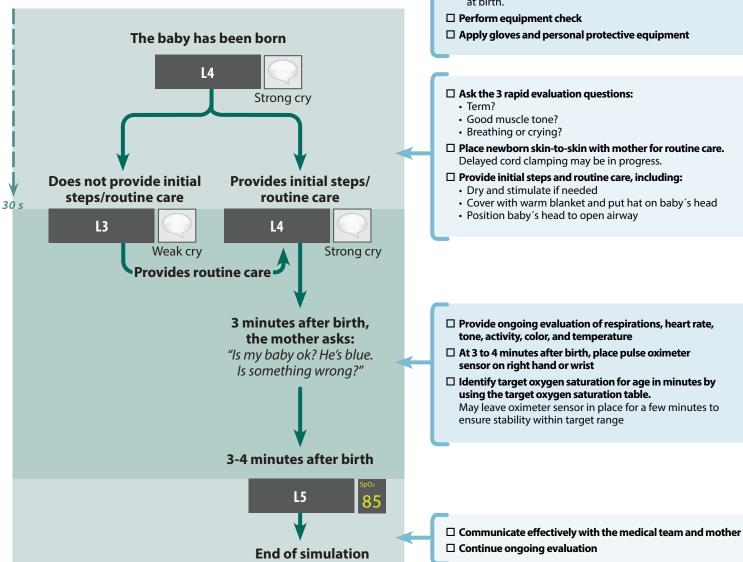


Scenario Progression

Before birth

Vaginal birth

- 39 2/7 weeks gestation Clear amniotic fluid
- No known risk factors, estimated birth weight 3500 g
 - Plan to delay cord clamping for 30-60 seconds



CRITICAL PERFORMANCE STEPS

☐ Ask the 4 pre-birth questions to assess perinatal risk:

- · What is the expected gestational age
- Is the amniotic fluid clear?
- Are there additional risk factors?
- · What is our umbilical cord management plan?

☐ Conduct pre-birth team briefing:

- Assemble team based on perinatal risk. Perinatal risk is low; therefore, one person may manage this newborn at birth.
- ☐ Apply gloves and personal protective equipment
- $\hfill\square$ Place newborn skin-to-skin with mother for routine care. Delayed cord clamping may be in progress.

- Cover with warm blanket and put hat on baby's head
- ☐ Provide ongoing evaluation of respirations, heart rate,
- ☐ Identify target oxygen saturation for age in minutes by using the target oxygen saturation table.

May leave oximeter sensor in place for a few minutes to