Conducting a Simulation



With the NRP Theme

Preparation

Familiarize yourself with the topic and objectives of the scenario in the section "Educational Focus".

Setup the room to resemble the setting of the case and prepare the simulator as described in the case guide. Arrange equipment in a way that most closely resembles the learners' actual clinical setting. The equipment list in each Case Guide lists equipment specific for the case. In addition, for all cases you'll need the items listed on the NRP Quick Equipment Checklist (See Instructor's Resources)

Indiang way. Learning Objectives Upon completion of the simulation, the learners will be able to: the Identify the newborn that requires positive-pressure ventilation (PPV) — Demonstrate correct technique for administering PPV Demonstrate the steps for assessing response to PPV Demonstrate the ventilation corrective steps (MS_OSPV) — Demonstrate the ventilation of ventilation of the steps (MS_OSPV) — Identify indications and method for discontinuing PPV

- For use during simulation:

 All items included in the NRP Quick Equip

 Umbilical cord clamps

vider is present. Please prepare for the birth

Additional Information
Provide this information to the participants, if asl

40 weeks Clear Gestational hyperter Category II FHR trai (late fetal heart rate

(late fetal heart rate 3500 g (7 lb 11 oz).

Starting up the equipment

- Start up SimPad, simulator, and patient monitor, making sure it's all connected.
- Select Manual Mode



Click "SimNewB" and select "SimNewB NRP Mode".

Enter name of particpants and select debriefing server, if wanted. Then click "OK".



Simulation

- Read the learner brief out loud to the learners.
- Use the case guide flow chart as guidance for how to progress through the simulation (see the backside for additional information).
- When appropriate, end the simulation and debrief.

or use during simulation: All items included in the NRP Quick Equi

Additional Information

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NOTE! Learners must know how they will receive vital signs and other clinical feedback from the simulator. If they are not already familiar with the simulator, allow them to listen to the heart rate and breath sounds, hear the vocal sounds, note the different levels of muscle tone and activity, and interact with the patient monitor, before the simulation begins. The checklist on the backside of Instructor's Resources can be used a guidance for giving a systematic introduction to the capabilities of the simulator.





The Flow Chart

The NRPTheme includes 6 preset patient state levels, that each represent a physiological state of the newborn. The preset state Level 0 indicates a very compromised cyanotic infant with no respiratory rate or cardiac output, whereas, in Level 5, the infant is vigorous with stable vital signs, a strong cry, and active movement.

For an overview of the settings and vital signs in each level, see the table of preset states on Instructor's Resources.

The flow chart on the backside of each case guide presents how to progress through the simulation using the preset patient state levels to control the simulator. For example, in this case, when the baby is born:







Activate the preset level indicated by the number.



Set the indicated parameter to the shown value.



Set lungs to be closed.



Set lungs to be open.



Set the vocal sound as indicated below the icon.



Set movement as indicated below the icon.

The scenarios described in the case guides are also available as pre-programmed scenarios in Laerdal Scenario Cloud. Laerdal scenario Cloud is a cloud-based platform for simulation scenarios. With one subscription, you will have access not only to these scenarios, but to Laerdal's entire scenario library.