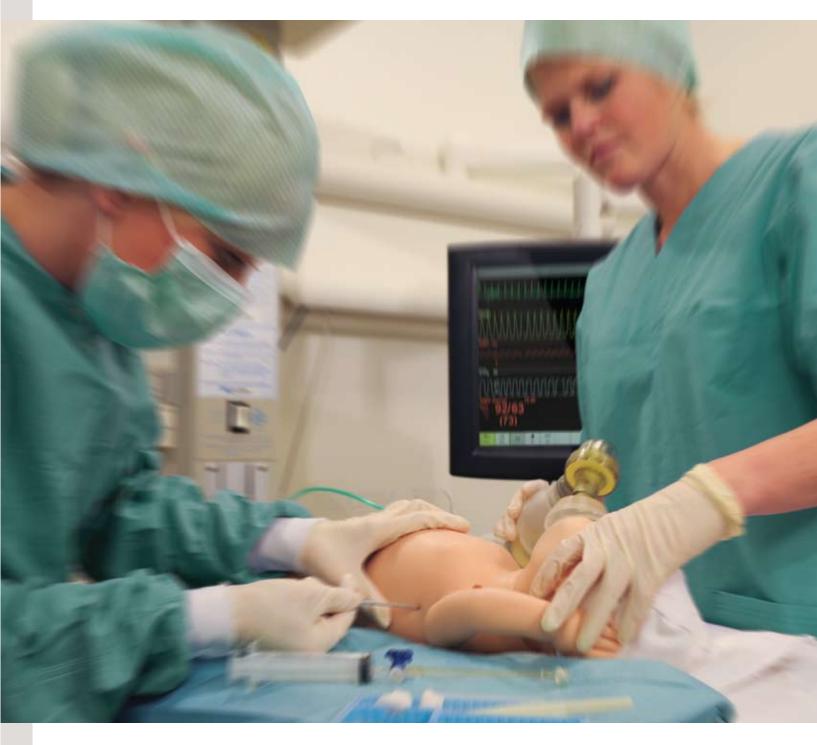# Advanced Neonatal Resuscitation and Stabilization Scenarios

SimNewB™ Scenarios

Laerdal Neonatal Training Solutions

American Academy
of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN™

NRP

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SimNewB™ Scenarios

The Advanced Neonatal Resuscitation and Stabilization Scenarios offer educators a simple and realistic method for teaching and assessing learners' critical thinking and decision-making skills. These scenarios are created in accordance with the Neonatal Resuscitation Program (NRP) materials based on the American Academy of Pediatrics (AAP) and the American Heart Associations (AHA) Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care of the Neonate.

The Scenarios contain twenty (20) cases. Fourteen (14) scenarios reflect special considerations in neonatal resuscitation following the guidelines as presented in the Textbook of Neonatal Resuscitation, 5th Edition. Six (6) stabilization scenarios focus on the assessment and management of the critically ill newborn.

Each of the 20 scenarios include learning objectives that reflect the knowledge and skills needed to effectively resuscitate and stabilize a newborn.

The scenarios are designed to promote:

- Teaching and testing
- Newborn assessment and clinical management
- Critical thinking
- Adherence to algorithms
- Effective team communication
- Student reflection and remediation through debriefing and discussion

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Learning Technology by Laerdal

SCENARIOS

The twenty (20) scenarios are all timed events that require learners to take critical actions in order to successfully complete the case. They are set in the delivery room, outside the delivery room, in the newborn nursery or in the neonatal intensive care unit, allowing for a variety of valuable experiences for learners. The scenarios are specifically developed for use with Laerdal SimNewB™ Standard or Advanced.

Unstable Airway Scenarios

Scenario 1   Resuscitation of a Newborn Outside of the Delivery Room

Scenario 2   Resuscitation of the Very Premature Neonate

Scenario 3   Resuscitation Following Delayed Delivery Due to Shoulder Dystocia

Scenario 4   Resuscitation of the Neonate Involving Tension Pneumothorax

Scenario 5   Resuscitation Involving Newborn Exposure to General Anesthesia

Shock Scenarios

Scenario 6   Resuscitation and Management of a Newborn with Hypovolemic Shock

Scenario 7   Resuscitation Involving Persistent Cyanosis and Low Oxygen Saturation

Scenario 8   Resuscitation of a 2-Day-Old Baby with Shock

Congenital Disorder Scenarios

Scenario 9   Resuscitation of a Newborn with Non-Immune Hydrops

Scenario 10   Resuscitation of a Newborn with Congenital Diaphragmatic Hernia

Scenario 11   Resuscitation of a Newborn with Gastroschisis

Scenario 12   Resuscitation of a Newborn with Mechanical Blockage of Airway

Scenario 13   Resuscitation of a Newborn with Congenital Heart Block *

Parental Care Scenario

Scenario 14   Parental Care Following Withdrawal of Resuscitation of a Newborn

Stabilization Scenarios

Scenario 15   Management of Respiratory Failure Due to Endotracheal Tube Displacement

Scenario 16   Stabilization of a Newborn with Seizures

Scenario 17   Stabilization of a Newborn with Septic Shock *

Scenario 18   Management of Respiratory Failure Due to Persistent Pulmonary Hypertension *

Scenario 19   Stabilization of Newborn in Shock with Central Cyanosis*

Scenario 20   Stabilization of a Newborn with Respiratory Failure Due to Pneumothorax *

*Recommended for use on SimNewB Simulator Advanced

Advanced Neonatal Resuscitation and Stabilization Scenarios

Improving neonatal outcomes and helping training efficiency.

Learning Objectives Poster

Feature Cases:
- Twenty (20) Neonatal Resuscitation Program (NRP) scenarios for use with Laerdal's SimNewB™ simulator

Support Materials:
- Scenario and Debriefing Binder

Support Materials:
- CD with 20 Pre-Programmed Scenarios and one user license*

Advanced Neonatal Resuscitation and Stabilization Scenarios**
P/N: 220-19650   Price: $3,000

*   Each box contains one user license to download and install the scenario programming to one computer only.

** All the scenarios can be run on either SimNewB model, but some of the scenarios are recommended for use on the SimNewB Neonatal Simulator Advanced because the scenarios vary beyond the Preset Patient State Levels. Although the instructor has the option of running these particular scenarios using the handheld remote, executing the scenarios is easier to accomplish by using the SimNewB Neonatal Simulator Advanced with the SimNewB PC software.

*For more information, visit us at www.laerdal.com/courseware or call
877-LAERDAL (523-7325) or contact your local Laerdal Representative.*

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