Advanced Neonatal Resuscitation and Stabilization Scenarios

Improving neonatal outcomes and helping training efficiency.

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

Support Materials:
- Scenarios and Debriefing Binder

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 ventilator 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.
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

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.

### Scenarios

#### Unstable Airway Scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Resuscitation of a Newborn Outside of the Delivery Room</td>
</tr>
<tr>
<td>2</td>
<td>Resuscitation of the Very Premature Neonate</td>
</tr>
<tr>
<td>3</td>
<td>Resuscitation Following Delayed Delivery Due to Shoulder Dystocia</td>
</tr>
<tr>
<td>4</td>
<td>Resuscitation of the Neonate Involving Tension Pneumothorax</td>
</tr>
<tr>
<td>5</td>
<td>Resuscitation Involving Newborn Exposure to General Anesthesia</td>
</tr>
</tbody>
</table>

#### Shock Scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Resuscitation and Management of a Newborn with Hypovolemic Shock</td>
</tr>
<tr>
<td>7</td>
<td>Resuscitation Involving Persistent Cyanosis and Low Oxygen Saturation</td>
</tr>
<tr>
<td>8</td>
<td>Resuscitation of a 2-Day-Old Baby with Shock</td>
</tr>
</tbody>
</table>

#### Congenital Disorder Scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
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<tbody>
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<td>9</td>
<td>Resuscitation of a Newborn with Non-Immune Hydrops</td>
</tr>
<tr>
<td>10</td>
<td>Resuscitation of a Newborn with Congenital Diaphragmatic Hernia</td>
</tr>
<tr>
<td>11</td>
<td>Resuscitation of a Newborn with Gastrochisis</td>
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<tr>
<td>12</td>
<td>Resuscitation of a Newborn with Mechanical Blockage of Airway</td>
</tr>
<tr>
<td>13</td>
<td>Resuscitation of a Newborn with Congenital Heart Block *</td>
</tr>
</tbody>
</table>

#### Parental Care Scenario

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Parental Care Following Withdrawal of Resuscitation of a Newborn</td>
</tr>
</tbody>
</table>

#### Stabilization Scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Management of Respiratory Failure Due to Endotracheal Tube Displacement</td>
</tr>
<tr>
<td>16</td>
<td>Stabilization of a Newborn with Seizures</td>
</tr>
<tr>
<td>17</td>
<td>Stabilization of a Newborn with Septic Shock *</td>
</tr>
<tr>
<td>18</td>
<td>Management of Respiratory Failure Due to Persistent Pulmonary Hypertension *</td>
</tr>
<tr>
<td>19</td>
<td>Stabilization of Newborn in Shock with Central Cyanosis*</td>
</tr>
<tr>
<td>20</td>
<td>Stabilization of a Newborn with Respiratory Failure Due to Pneumothorax *</td>
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- 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
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- Scenario 8: Resuscitation of a 2-Day-Old Baby with Shock

### Congenital Disorder Scenarios

- Scenario 9: Resuscitation of a Newborn with Non-Immune Hydrops
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- 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 *

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

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