



**Gaumard**<sup>®</sup>  
Simulators for Health Care Education



# Newborn TORY<sup>®</sup> S2210

## Wireless and Tetherless Neonate Simulator

- Lifelike appearance and physiology
- Real-time CPR feedback, monitoring, and training
- Fully responsive even while being carried
- Easy-to-use neonatal care training solution
- Simulate clinical cases in any setting
- Includes Neonatal Care Simulation Learning Experiences™ scenario package

## Immediate care after delivery

Newborn TORY® offers true-to-life physical and physiological attributes, wireless mobility, and ease-of-use designed to simulate lifelike clinical cases for every stage in neonatal care. Whether training in a simulation center, in-situ, or in transit, TORY brings neonatal simulation closer to real life than ever before.



## Appearance, anatomy, and physiology

Newborn TORY looks and feels like a real term newborn with its soft and supple skin, lifelike vitals, and realistic articulation. The perfect combination of features for APGAR evaluation and physical examination scenarios.



6 lbs. / 2.7kg 20.75 in / 52.7cm



Full range of motion



Active arm movement: limp, active, seizures



Cyanosis, crying, grunting



Fontanelle, brachial, and umbilical pulses



Heart, lung, and bowel sounds

## Mother-newborn physiologic link

When paired with VICTORIA®, the “Mother-Newborn Link” wirelessly transfers the fetus’s condition at the moment of birth to TORY.

This exclusive feature lets operators accurately simulate the transition from intrauterine to extrauterine life with just one click while allowing participants to train continuity of care skills essential to improving response time and teamwork.

## Comprehensive cardiopulmonary physiology with feedback

TORY’s heart and lung sounds, chest rise, EtCO<sub>2</sub>, and oxygen saturation readings allow participants to practice recognizing and managing varying degrees of distress. Additionally, built-in ventilation and chest compression sensors accurately simulate realistic physiological responses to intervention without input from the operator. TORY’s powerful software handles the complex physiology so you can focus on the providers’ actions.

## Real CO<sub>2</sub> Exhalation

Tory exhales real and measurable CO<sub>2</sub> and is thus capable of simulating a broad range of cardiopulmonary responses. Now, participants can train to interpret and manage abnormal levels of EtCO<sub>2</sub> using a real capnometer to improve response time and reduce risk in live situations. TORY’s CO<sub>2</sub> exhalation system is small and portable, allowing continuous monitoring during transport.



CPR quality sensors



Neck hyperextension sensor



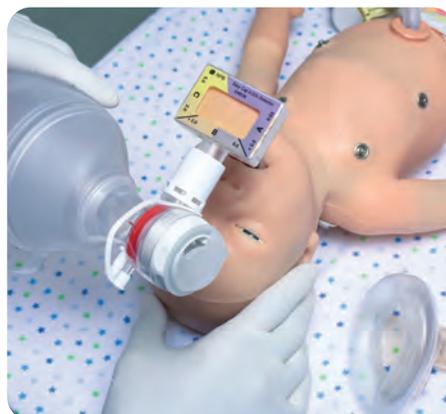
Heart and lung sounds



Hypoxia modeling



Monitor respiration and EtCO<sub>2</sub> using native monitoring devices



Detect CO<sub>2</sub> exhalation using real devices

## EtCO<sub>2</sub> training benefits

- Improve recognition and diagnosis of life-threatening conditions related to abnormal EtCO<sub>2</sub> including respiratory distress, apnea, cardiac arrest, and shock
- Improve recognition and management of hypo- and hyperventilation using breath-to-breath ventilation data
- Train to confirm endotracheal intubation with every procedure
- Train to recognize inadvertent extubation or “false negative endotracheal intubation” due to compromised pulmonary blood flow
- Improve management of full arrest by learning to monitor perfusion during compressions in real-time and identifying the return of spontaneous circulation (ROSC)



## Real-time CPR quality feedback and smart trainer

The real-time CPR feedback interactive monitor and smart trainer allow educators to evaluate the effectiveness of ventilations and compressions in real-time. It also features verbal coaching cues and a comprehensive performance report for better training and better outcomes.



Microsoft® Surface Pro tablet and UNI® 3 Simulator Control Software are included.

## Includes TORY Neonatal Care Simulation Learning Experiences™ Scenario Package



The TORY Neonatal Care Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participant learning through outcome-focused simulated clinical patient encounters.

The package includes 8 SLEs complete with a facilitator’s guidebook for planning, setting up, and facilitating each learning experience:

- Acute Respiratory Distress Syndrome
- Bronchopulmonary Dysplasia with Pulmonary Hypertension
- Drug-Exposed Infant/ Neonatal Abstinence Syndrome
- Early-Onset Sepsis
- Late-Onset Sepsis
- Nuchal Cord
- Pneumonia
- Shoulder Dystocia

## Care and monitoring using real devices

With TORY, learners can use real devices to monitor heart rate, respiration, and EtCO<sub>2</sub>. Train device operation and interpretation to improve patient safety. TORY also features multiple IV access sites to engage the learners' cognitive, technical, and psychomotor skills.



Monitor using real devices



Bilateral IV access and infusion



Arterial/venous umbilical cath.



Navel insert post cord detachment

## Handoff and transport. Wireless, tetherless, and battery-powered

TORY is fully functional while on battery power for up to 4 hours. There are no distracting controller wires or tethered external compressors. Our proven wireless and tetherless technology lets you easily simulate transitional care scenarios to improve inter and intra-disciplinary teamwork and communication.



Urinary catheterization



Bowel sounds



I/O access with drain port for infusion



IV access with drain port for infusion



Wireless and tetherless operation



## Elevate your training with the all-new UNI® 3

UNI 3 is our most capable patient simulator control software. Manage vitals, track performance, and debrief with faster and easier-to-use tools designed to help you facilitate even complex scenarios with ease.

### Unified control platform

UNI 3 powers all PC-controlled Gaumard simulators, making it simpler to operate different Gaumard models and manage scenarios.

### Powerful physiological controls

Easily adjust vital signs on-the-fly or automate physiological changes and responses using the included turnkey Simulation Learning Experiences scenarios.

### Scenario designer

Create your own custom scenarios tailored to your learning objectives and offer participants a wide range of standardized, repeatable learning events.

### Real-time CPR feedback

Monitor CPR performance metrics in real-time, enhance training with audible cues, and export performance reports.

### Provider evaluation

Evaluate providers directly from UNI 3. Create interactive forms to assess participant performance and aid debriefing.

### Time-stamped event log

Automated event tracking ensures important events are always captured so you can focus on the action.

## Features

### Appearance and anatomy

- Age: 40-week term newborn
- Weight 6 lbs. / 2.7kg
- Length 20.75 in / 52.7cm
- Smooth and supple full-body skin
- Seamless trunk and limb joints
- Realistic joint articulation: neck, shoulder, elbow, hip, and knee
- Forearm pronation and supination
- Lifelike umbilicus
- Palpable landmarks, including ribs and xiphoid process

### Tetherless and wireless connectivity

- Tetherless and fully responsive even while being transported
- Internal rechargeable battery provides up to 4 hrs. of tetherless operation<sup>1</sup>
- Pneumatic and fluid reservoirs are housed inside the body
- VICTORIA®/NOELLE® Fetus-Newborn wireless link capability

### Airway

- Head tilt, chin lift, jaw thrust
- Realistic orotracheal and nasotracheal airway and visible vocal cords
- Bag-valve-mask ventilation
- Neck hyperextension and airway obstruction with event capture and logging
- Intubation depth detection and logging
- Programmable crying/grunting sounds
- ETT, LMA, fiberoptic intubation

### Breathing

- Spontaneous breathing
- Variable respiratory rates and inspiratory/expiratory ratios
- Visible chest rise with bag valve mask ventilation
- Unilateral chest rise with right mainstem intubation
- Lung ventilations are measured and logged
- Programmable unilateral chest rise and fall
- Unilateral lung sounds synchronized with respiratory rate
- Real end-tidal carbon dioxide dependent on cardiac output (Requires option: S2210.078)

### Cardiac

- Comprehensive ECG rhythm library
- ECG monitoring using real devices
- Real-time CPR performance monitor and trainer
- Effective chest compressions generate palpable pulses and ECG activity
- Healthy and abnormal heart sounds
- Virtual pacing and defibrillation

### Circulatory

- Visible central cyanosis with programmable intensity
- Fontanelle, brachial, and umbilical pulses
- Blood pressure-dependent pulses
- Blood pressure measurement using real modified BP cuff
- Audible Korotkoff sounds
- Pre-ductal and post-ductal O<sub>2</sub> saturation values simulated on patient monitor
- Arterial/venous umbilical catheterization

### Vascular access

- Bilateral IV arms
- IV access on the lower left leg
- Umbilical vein and arteries support catheterization and infusion
- Intraosseous access and infusion at right tibia
- Bilateral anterolateral thigh intramuscular injection sites

### Digestive

- Interchangeable female and male genitalia
- Urinary catheterization
- Selectable bowel sounds

### Other

- Navel insert post cord detachment
- Seizures/Convulsions
- Programmable muscle tone: bilateral or unilateral arm movement, reduced and limp
- Temperature sensor placement detection

## Newborn TORY® S2210

S2210.PK ● ● ●

TORY Tetherless Patient Simulator, UNI 3 Tablet PC, Neonatal Care Simulation Learning Experiences scenario package, RF module, battery charger/power supply, receiving blanket, umbilical cords, tibia bone pack, replacement lower arms, BP cuff, IV filling kit, soft carrying case, user manual. One-Year Limited Warranty. Extended service plans available. Skin tones available at no extra charge. Patented; other patents pending.

## Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Gaumard Vitals bedside virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

## Gaumard Vitals™ Portable Virtual Monitor

30081003A

Portable Gaumard Vitals virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.

## CO<sub>2</sub> Exhalation regulator

S2210.078

Real and measurable EtCO<sub>2</sub> with 10 programmable levels of CO<sub>2</sub> output.



## Care in Motion™ Mobile Video Debriefing System

CIM.PK

Care In Motion Tablet PC, 3 Battery-powered HD wireless cameras, 3 adjustable camera grips, transport case, and one-year limited warranty (extended warranty plans available).

### Request a quote

#### Sales / customer service

sales@gaumard.com

#### Website

www.gaumard.com

#### Toll-Free USA & Canada

Call 8:00 a.m. - 6:00 p.m. ET

Monday - Friday

800.882.6655

#### Worldwide

305.971.3790

### About Gaumard

Gaumard is family owned and operated, and is the direct source for your health care education needs.

### Place your order

By telephone or online at

www.gaumard.com

### Warranty

Gaumard products are covered by a one-year limited warranty. Terms and conditions apply. Please visit [www.gaumard.com](http://www.gaumard.com) for details.

### Technical support

Available 8:00 a.m. to 6:00 p.m. ET

weekdays, or email us at

support@gaumard.com

Phone: 305.971.3790

### Online support 24/7

Download articles, instructions, teaching tips. View instructional videos on demand.

### Support

Gaumard offers repair services and parts. For more information visit [www.gaumard.com](http://www.gaumard.com)



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