



Gaumard®
Simulators for Health Care Education



Super TORY® S2220

Advanced Newborn Patient Simulator

- Active robotics: programmable movement of the limbs, mouth, and eyes
- Dynamic lung compliance with true ventilator support
- Supports real patient monitors and sensors
- Multiple vascular access sites for infusion and sampling
- Wireless and tetherless; up to 8 hrs. of battery life^{1,2}
- Includes Neonatal Care Simulation Learning Experiences™ scenarios



irBORNE
750i Tran

international
biomedical

Active limb motion, true ventilator support, real monitoring, and mobile.

These are just a few of the innovative new features that allow Super TORY to simulate complex pathologies and respond to interventions with unparalleled realism.

- Full-term newborn: 8 lbs. 21 in.
- Wireless and tetherless: up to 8 hours^{1,2}
- Crying and grunting
- Programmable movement
 - » Blinking rate, eyes opened/closed
 - » Mouth: gasping and clenching
 - » Arm, leg, and wrist flexion and extension
 - » Seizures: single limb, unilateral, or full-body movement
- Programmable dynamic lung compliance
- Heart and lung sounds
- Palpable pulses
- Includes 10 Simulation Learning Experiences™ scenarios



UNI® 3 Interface
powered by Microsoft®
Surface



Cyanosis, jaundice, pink, and pallor



Pulses: fontanel, brachial, umbilical,
and femoral



Neonatal resuscitation and stabilization



Real mechanical ventilator and patient
monitor support



Internal and external critical care transport

True-to-life neonatal resuscitation and stabilization scenarios

Super TORY® introduces a new level of anatomical and physiological fidelity that allows participants to rehearse advanced-level algorithms without compromising technique or clinical guidelines.

- Anatomically accurate oral cavity and airway
- Intubation depth and neck hyperextension/flexion detection
- Visible chest rise following guideline-recommended flow, PIP, and PEEP values
- SpO₂ and EtCO₂ monitoring using real sensors
- Real-time CPR feedback and reporting
 - » Compression depth, rate, and interruption duration
 - » Ventilation rate and duration
 - » Smart CPR voice coach
 - » Performance report summary
- Defibrillate, cardiovert, and pace using real devices and live energy
- Multiple vascular access sites



Train handoffs and transport in real environments

Transport, handoffs, NICU evac drills, and more. Super TORY remains fully functional in transit thanks to its extra-long battery life and proven wireless technology.

- Wireless control¹
- Internal rechargeable battery provides up to 8 hrs. of tetherless operation²



Anatomically accurate airway



Hand and scalp IV, tibial IO



Continuous UAC/UVC infusion



Pre- and post-ductal SpO₂

A leap in NICU simulation. True ventilator support. And much more.

The breakthrough respiratory system design in Super TORY® accurately responds to mechanical ventilation support like a real newborn while making it possible to adjust pulmonary function on the fly. Simply tap the UNI® 3 controls to decrease lung compliance and see the change from uniform chest rise, visible with as little as 15 cmH₂O, to the high recoil associated with stiff lungs. These advanced features allow Super TORY to simulate the course of respiratory disease through treatment, weaning, and rehabilitation with the highest degree of physiological accuracy.

- Modes supported include: ACV, SIMV, CPAP, PCV, PSV, NIPPV
- Programmable respiratory patterns, retractions, "see-saw" breathing, and abdominal distension
- Supports therapeutic levels of PEEP
- Programmable airway and lung function
- Dynamic lung compliance
 - » Bilateral bronchi resistance
 - » Respiratory effort triggers ventilator during weaning



Sunken, bulging, and normal



Capillary refill time testing



Programmable retractions, "see-saw" breathing



Bilateral pneumothorax sites



Super TORY features bilateral midaxillary surgical sites for needle decompression and chest tube insertion exercises.

- Palpable bony landmarks
- Realistic skin supports cutting and suturing
- Sites bleed when cut and release fluid upon tube insertion
- Tactile pleural "pop"

Train using real patient monitors and sensors.

Super TORY was developed for in-situ training. Real patient monitoring support allows participants to set up and operate real equipment, interpret real-time data, and follow protocols just as they would in real situations.

- ECG monitoring
- ECG-derived respiration monitoring
- Pre- and post-ductal SpO₂ monitoring
- Oscillometric NIBP
- Live pacing and defibrillation
- Capnography



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.



Patient profiles

Create simulated patients with detailed active and past medical histories.

User management

Create users and manage access permissions for user-generated content, including scenarios, patient profiles, and more.

Lab results

Generate simulated lab results to enhance the fidelity of scenarios. Display lab results digitally on the optional Gaumard Vitals™ patient monitor or export to print.

Preconfigured and ready

UNI 3 is preconfigured on the lightweight control tablet PC included with your patient simulator package.

Complimentary webinar training

Sign up for live, instructor-led monthly webinar sessions and become a UNI 3 expert at your own pace.



Includes the Super TORY® scenario package

The Super TORY Neonatal Care Simulation Learning Experiences (SLEs) scenario package provides 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 10 SLEs, complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

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

Features

General

- Age: Full-term newborn
- Weight: 8 lbs., Length: 21 in.
- Tetherless and wireless, fully responsive during transport¹
- Internal rechargeable battery provides up to 8 hrs. of tetherless operation²
- Smooth and supple full-body skin with seamless trunk and limb joints
- Programmable movements: blinking, mouth opening and closing, arm and leg flexion and extension
- Realistic joint articulation: neck, shoulder, elbow, hip, and knee
- Forearm pronation and supination
- Lifelike umbilicus and post cord detachment navel
- Palpable bony landmarks
- Near-silent operation
- VICTORIA® Fetus-Newborn wireless link capability
- Tablet PC preloaded with UNI 3 included
- Mouth movement
- Blinking eyes
- Seizures/convulsions
- Programmable muscle tone: active, reduced, and limp

Airway

- Anatomically accurate oral cavity and airway
- Nasotracheal/orotracheal intubation (ETT, laryngeal airway)
- Head tilt, chin lift, jaw thrust
- Supports esophageal intubation
- NG/OG tube placement
- Bag-valve-mask ventilation support
- Neck hyperextension and flexion airway obstruction with event capture and logging
- Intubation depth detection and software event log

Breathing

- Programmable spontaneous breathing
- Variable respiratory rates and inspiratory: expiratory ratios
- Programmable unilateral chest rise and fall
- Lung sounds synchronized with respiratory rate
- Programmable retractions, "see-saw" breathing
- Mechanical ventilation support
 - » A/C, SIMV, CPAP, PCV, PSV, NIPPV
 - » Supports PEEP (up to 20 cmH₂O)
 - » Dynamic airway and lung controls
 - » Variable lung compliance
 - » Bilateral bronchi resistance
- Programmable respiratory efforts for weaning/liberation
- Unilateral chest rise with right mainstem intubation (automatic detection and logging)
- Real-time ventilation feedback

- Bilateral midaxillary pneumothorax sites support needle decompression and chest tube insertion
- Pneumothorax sites feature palpable bony landmarks, realistic skin for cutting and suturing, bleeding, tactile pleural pop, and fluid drain
- Visible chest rise during bag-valve-mask ventilation
- Supports EtCO₂ monitoring using real sensors and monitoring devices

Cardiac

- Includes comprehensive library of ECG rhythms with customizable beat variations
- Supports ECG monitoring using real devices
- Supports ECG-derived respiration monitoring (EDR)
- Real-time CPR quality feedback and reporting:
 - » Time to CPR, compression depth/rate, compression, interruptions, ventilation rate, smart CPR voice coach
- Defibrillate, cardiovert, and pace using real devices and energy
- Effective chest compressions generate palpable femoral pulses and ECG activity
- Healthy and abnormal heart sounds
- Supports virtual pacing and defibrillation

Circulatory

- Visible cyanosis, jaundice, paleness, and redness with variable intensities
- Supports manual capillary refill time assessment on the left foot (Automatic detection and logging)
- Programmable fontanel: depressed, normal, and bulging
- Palpable pulses: brachial, femoral, and umbilical
- Pulse palpation event detection and logging
- Blood pressure-dependent pulses
- Supports blood pressure monitoring using a real NIBP cuff
- Audible Korotkoff sounds
- Pre-ductal and post-ductal SpO₂ monitoring using real devices

Vascular Access

- IV cannulation: bolus, infusion, and sampling
- Hand, scalp, and umbilicus
- Umbilical catheterization (UVC/UAC): continuous infusion and sampling
- Bilateral IO tibial infusion

Gastrointestinal

- Diaphragmatic hernia
- Programmable abdominal distension
- Urinary catheterization with return
- Normal and abnormal bowel sounds

Super TORY® S2220

S2220.PK

Super TORY, tablet PC preloaded with UNI 3 license, Neonatal SLE scenario package, RF module, battery charger, defibrillation adapter, replacement IV lower arm, scalp IV site inserts, IO site inserts, pneumothorax inserts, umbilical cords, post cord detachment navel, CO₂ adapter, carrying case, user manual, and One-Year Limited Warranty (extended warranty plans available). 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.

Care in Motion™
Mobile Video-assisted
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

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Monday - Friday

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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 for details.

Technical support

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

weekdays, or email us at

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Gaumard offers repair services and parts. For more information visit www.gaumard.com



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