



**Gaumard®**  
Simulators for Health Care Education



# NOELLE® S550.100.250

Childbirth And Neonatal Resuscitation  
Patient Simulator

## Improving maternal safety through simulation-based training.

NOELLE® offers you an effective training solution for preparing students and professionals for the routine and emergency labor and delivery scenarios seen in the real world. By facilitating the rehearsal of true-to-life scenarios in a safe environment, NOELLE allows participants to improve assessment, management, and teamwork skills.



## Complete, ready-to-use, and an exceptional value.

The NOELLE S550.100.250 package is a complete training package designed to make setup, implementation, and operation simple and easy. It includes everything you need to train, including a NOELLE automatic birthing simulator, a resuscitation neonate, two OMNI®2 control tablets, a virtual patient monitor, and a training guidebook.



### OMNI2 wireless tablet

Touchscreen controls, feedback, and debriefing.



### Automatic delivery

Repeatable birthing scenarios with 1-touch operation.



### GAUMARD Vitals™ monitor

Assessment, management, and documentation.



### Neonatal resuscitation

Evaluate CPR quality in real-time.



## Admission to labor and delivery

Identifying patient risk factors quickly and prioritizing tasks effectively are critical skills that positively impact patient safety. NOELLE can help train a broad range of obstetric skills by simulating scenarios seen from admission and through postpartum care.



### OMNI®2 wireless control interface included.

The new OMNI2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing



### Initial evaluation and care

- Patient monitoring - Train evaluation and interpretation of patient and fetal vital signs
- Leopold's and external cephalic version trainer - Optional abdomen offers realistic tactile feedback and resistance
- Lifelike birth canal and cervix - Evaluate status of labor including dilation, fetal station and presentation, and more



### Includes new Labor & Delivery Simulation Learning Experiences™ scenario package.

The new NOELLE Labor & Delivery Simulation Learning Experiences (SLEs) provide you with a library of ready-to-use, evidence-based scenarios designed to help you maximize participants' learning through outcome-focused simulated clinical patient encounters. The package includes nine SLEs complete with a facilitator's guidebook for planning, setting up, and facilitating each learning experience:

- Amniotic Fluid Embolism
- Breech Vaginal Delivery
- Magnesium Toxicity
- Normal Vaginal Delivery
- Placental Abruption
- Postpartum Hemorrhage
- Preeclampsia
- Prolapsed Cord
- Shoulder Dystocia

## Immersive childbirth simulation

NOELLE® allows multidisciplinary teams to rehearse low-frequency, high-risk vaginal deliveries to improve technical skills, communication, and confidence.



## Automatic delivery

NOELLE's automatic delivery system makes it easy to run realistic and repeatable delivery scenarios to support competency-based training. With OMNI2, you can play, pause, and reset the delivery with just one touch.

- Automatic retraction of the fetal head during shoulder dystocia
- Obstetrical maneuvers: Suprapubic pressure, McRoberts, Zavanelli, and more
- Automatically simulates fetal distress visible on a fetal monitor



### Delivery mechanism

Repeatable fetal presentation and rotation.



### Fetal monitoring

Virtual CTG (TOCO) with dynamic FHR/UA tracing.



### Placenta and cord

Simulate placenta previa or retained fragments.



### Instrument assisted

Supports real vacuum devices and forceps.



### Cord management

Resolve nuchal cord, cord prolapse, and true knots.



### Breech delivery

Simulate frank, complete, footling breech, and more.



## Neonatal resuscitation training with PEDI® Blue S320.100.250.

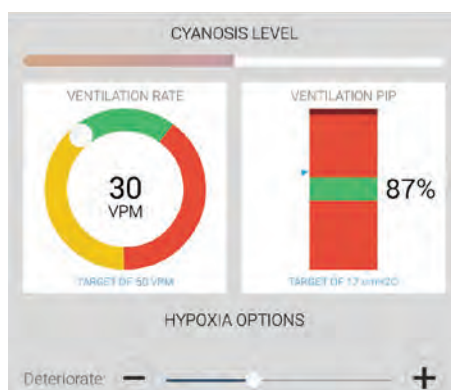
NOELLE includes a standalone full-term neonate designed to help providers train airway management and resuscitation skills effectively.

- Oral or nasal intubation
- Realistic chest rise with BVM ventilation
- Real-time CPR monitoring
- Effective ventilation returns visible cyanosis to healthy skin color
- Umbilical arterial/venous access and palpable pulse
- Available with IV sites for meds administration



### Airway management

Supports nasal/oral intubation and fluid suctioning.



### Respiratory distress model

Simulate respiratory distress and automate physiologic responses.

Chris	Opened the airway
Jen	Cleared secretions
Donna	Dried the infant
Labor/Delivery	Stimulated the infant to breathe
Disen	Heart rate was assessed
Peters	Oxygen saturation was assessed
Wendy	Administered oxygen
Respiratory	Adequate ventilation performed
	Adequate chest compression performed
	Administered epinephrine

### Algorithm checklist

Track algorithm objectives for effective debriefing.

## Postpartum emergencies

Use a hands-on approach when training how to identify and manage PPH.

- Fundal massage prep and technique
- Adjustable uterine muscle tone
- Blood loss estimation: Refillable 1000ml blood reservoir.
- Intrauterine balloon placement



### Intrauterine balloon

Supports placement of intrauterine balloon.



### External blood reservoir

Easy refilling and post-exercise cleaning.



### Episiotomy repair

Train episiotomy repair using real instruments.



## OMNI®2 wireless control interface included.

The new OMNI2 is an easy-to-use, wireless interface designed to place the best tools to drive simulation-based exercises right in the palm of your hand.

- Intuitive touchscreen interface with built-in wireless connectivity
- Make changes on-the-fly or trend them over time
- Event Log records participant actions, vital signs changes, and input notes to support debriefing



## Interactive Gaumard Vitals™ patient and fetal monitor.

The Gaumard Vitals maternal and fetal monitor displays vital signs information in real-time. Train participants to interpret vital signs to identify and manage critical situations.

### Features

#### NOELLE® S550.100.S250

- Full-body NOELLE patient simulator
- OMNI2 tablet
- Wireless OMNI2 connectivity
- Nasal/oral endotracheal intubation with real medical devices
- Visible chest rise with bag valve mask ventilation
- Supports multiple birthing positions
- Realistic birth canal featuring dilating cervix and palpable pelvic landmarks
- Automatic birthing system: cardinal movements, vertex, breech, dystocia, instrument assisted
- Articulating birthing baby with palpable sutures and fontanelle
- eCPR™ real-time feedback - Ventilation and chest compressions are measured and logged
- IV training arm for bolus/infusion training
- Carotid, brachial, and radial pulse (squeeze bulb)
- Leopold maneuvers
- Programmable fetal heart rate
- Placenta with removable fragments and umbilical cord
- Postpartum uterus with patent cervix and adjustable uterine tone (squeeze bulb)

- Postpartum hemorrhage with 1-liter reservoir
- Two vulvae for postpartum suture trainers
- Labor and Delivery Simulation Learning Experience™ Facilitator's Guide
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

#### PEDI® Blue Newborn

- Full-term neonate with articulated joints
- Wireless OMNI2 connectivity
- OMNI2 tablet
- Nasal/oral intubation
- Nasogastric intubation
- Programmable central and peripheral cyanosis
- eCPR™ Real-time feedback - Ventilation and chest compressions are measured and logged
- Visible chest rise with bag valve mask ventilation
- IV training arm, intraosseous infusion, palpable pulses (squeeze bulb)
- Catheterizable umbilical cord with palpable pulse

#### OMNI®2 controller

- Program over 35 vital sign parameters including HR, ECG, RR, BP, O<sub>2</sub>sat, EtCO<sub>2</sub>, pulses, and more
- Virtual patient monitor wireless link
- Comprehensive ECG library
- eCPR™ - CPR real-time effectiveness monitoring and smart trainer
- Automatic delivery controls: pause, resume, descent speed, reset
- Shoulder dystocia controls
- Fetal monitor controls
- Fetal heart rate baseline, variability, and accel/decel
- Contraction frequency, duration, intensity, and resting tone
- Coupling, variability, spontaneous changes
- Neonatal respiratory distress modeling

#### GAUMARD Vitals™

- Touchscreen interface
- Customizable layout can mimic standard patient monitors
- Customizable high/low alarms
- Displays numerical parameters and waveforms including HR, ECG, RR, BP, O<sub>2</sub>sat, EtCO<sub>2</sub>
- FHR and TOCO strip
- EFM and FSE heart tones
- Trace history and print capability



### Palpation abdomen

S550.250.009.R2 ● ● ● ●

Lifelike abdomen featuring neonate inside an amniotic sac for training Leopold and version exercises.



### C-section abdomen

S550.250.007.R2 ● ● ● ●

Abdomen featuring soft skin insert for training cesarean deliveries using real surgical instruments.



### Gaumard Vitals™ Bedside Virtual Monitor

30080154B

Customizable patient monitor displays patient vital signs and fetal monitoring in real-time.



### NOELLE® S550.100.250 and PEDI® Blue Newborn Package

S550.100.250.PK ● ● ● ●

NOELLE patient simulator with OMNI2, PEDI Blue Newborn S320.100.250 package, Labor and Delivery Simulation Learning Experiences scenario package, Gaumard Vitals patient monitor, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.



### NOELLE® S550.250 and Neonate Trainer Package

S550.250.PK ● ● ● ●

NOELLE patient simulator with OMNI2, neonate airway trainer, Labor and Delivery Simulation Learning Experiences scenario package, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.



### NOELLE® S551.250 Package

S551.250.PK ● ● ● ●

NOELLE patient simulator with OMNI2, Labor and Delivery Simulation Learning Experiences scenario package, and One-Year Limited Warranty. Skin tones available at no extra charge. Patented; other patents pending.

### **Request a quote**

#### **Sales / customer service**

[sales@gaumard.com](mailto:sales@gaumard.com)

#### **Website**

[www.gaumard.com](http://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](http://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

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Phone: 305.971.3790

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