Gaumard®
Simulators for Health Care Education

NOELLE™ S575 ...
The Total Mobile Solution™

· Tetherless with wireless communication · Fully responsive even while being carried

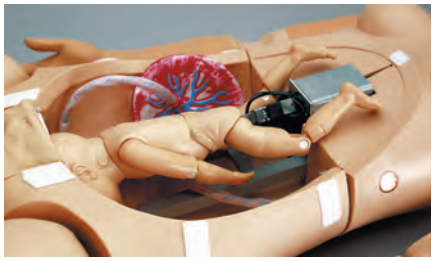
· Self contained respiratory and circulatory functions · Comprehensive performance feedback

NOELLE™ S575 is tetherless with wireless communications

Features

- Rush NOELLE and her newborn from an accident scene to the ER, L&D, or NICU while conditions are diagnosed and treated
- Control each at distances up to 100 meters and between rooms and floors of buildings
- Each smoothly transitions between physiologic states in response to commands from a wireless PC
- Proven wireless/tetherless technology
- Built in compressor and rechargeable power
- Wireless control and documentation
- Fully responsive during transport
- One unified programming language that is powerful yet intuitive
- Use our scenarios, modify them or create your own in minutes
- Comprehensive performance feedback
- Intubatable with breathing, pulses, ECGs, heart and lung sounds, and more
- Multiple upper airway sounds, lung and heart sounds
- Control rate and depth of respiration and observe chest rise
- Bilateral blood pressure and IV sites
- Pulse strengths vary with BP and pulses are synchronized with ECG
- Extensive library of speech
- Create physiologic states, combine them to generate scenarios, build in time delays or smooth transitions
- Evaluate up to six caregivers using a single click or by inserting notes in a real time perforance log
- Performance is time stamped and can be saved for evaluation and debriefing

NOELLE smoothy transitions between physiologic states in response to commands from a wireless PC



Each delivery is precisely controlled while devices track student actions

Fixed and mobile monitors are available. Each features dynamic waveforms and wireless control

Airway

- Oral or nasal intubation
- Programmable airway
- Sensors detect depth of inhibition
- Multiple upper airway sounds synchronized with breathing

Breathing

- Control rate and depth of respiration and observe chest rise
- Ventilation is measured and logged
- Select independent left or right lung sounds
- Multiple lung sounds synchronized with breathing

Circulation and color change

- Multiple heart sounds, rates, and intensities
- Chest compressions are measured and logged
- Bilateral blood pressure and IVs
- Korotkoff sounds
- Radial, brachial and carotid pulses
- Pulses are continuous and synchronized with the ECG

Other

- Speech and convulsions
- Electrically conductive skin regions allow the use of real equipment to obtain her ECG, perform temporary pacing, cardiovert, and defibrillate
- Sensors track student actions
- Changes to NOELLE's condition and care provided are time stamped and logged for evaluation and debriefing
- Instructors evaluate caregiver interventions with a single click and insert notes on a real time performance log

Perfect for competency based programs

NOELLE™ is perfect for competency based programs since each delivery can be precisely controlled while devices track student actions. The fetus may be manipulated to resolve a delivery dilemma. See instant feedback of force and torque on the fetus as well as its head position. This data is graphed and synchronized with our fetal monitor for debriefing and evaluation. The fetus is released on command after the Instructor has observed and logged required competencies. Students are then able to complete delivery.

Normal Vaginal & Instrumented Delivery

- Fetus descends and rotates internally as it moves down birth canal
- Extensible cervix dilates with catheterization and hemorrhage
- Fetal external rotation aligns shoulders with vulva
- New fetal head skin for use with most vacuum devices and forceps

Shoulder Dystosia

- Use delivery Profile Control to specify exactly when the "turtle sign" will occur and how long you allow students to deal with this dilemma
- Relieve dystocia using suprapubic pressure, McRobert's maneuver, posterior arm sweep, fetal rotation, or "elbows/knees" position

Intrapartum Modeling or Trending

- Trend vital signs; or use our physiologic model which is responsive to hypoxic events and intervention
- New "branching" scenarios

Breech and Placental deliveries

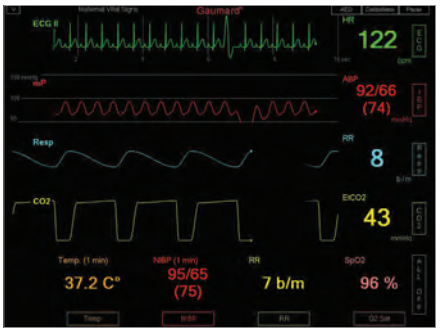
- Practice vaginal breech deliveries
- Free the legs using Pinard maneuver

C-Section

- Special abdominal cover having tissue layers students can dissect

Postpartum Activities

- Massage uterus to reduce bleeding
- Episiotomy repair modules
- Programmable PPH with flow from refillable tank located in thigh



Wirelessly control maternal monitor. File sharing provides images such as x-rays, ultrasounds,lab results or even multimedia presentations.

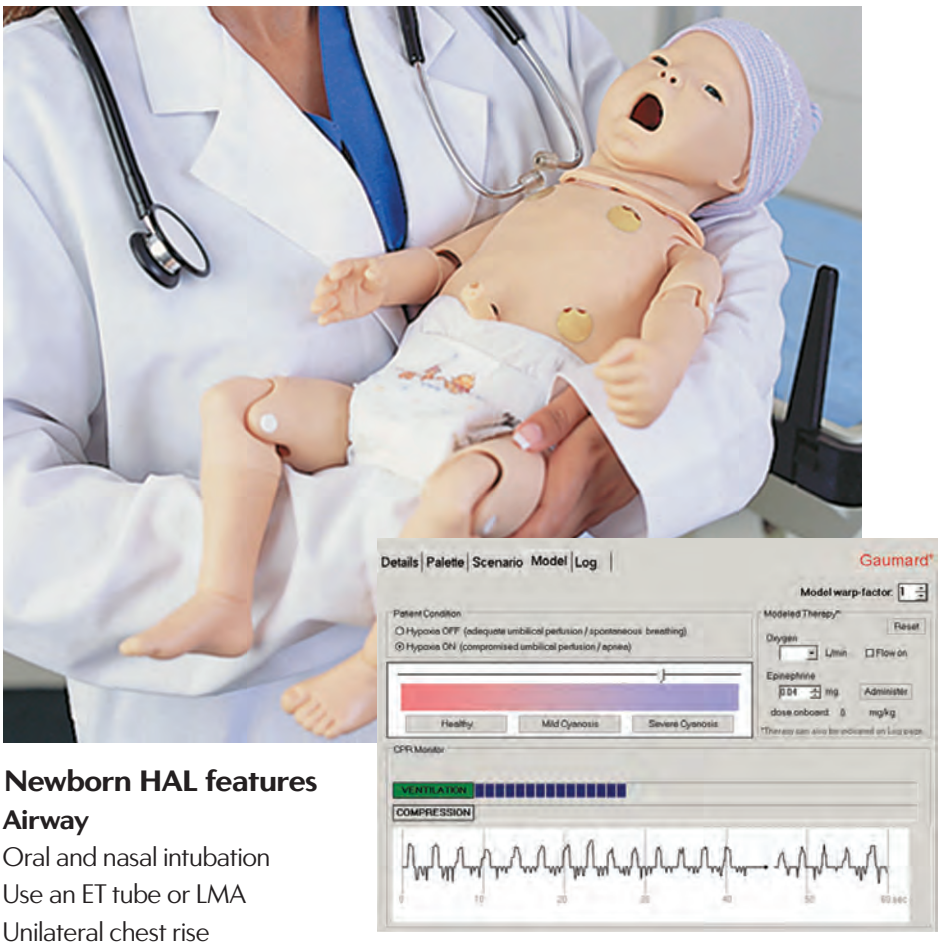
Aid delivery by rotating fetus and/or applying traction using forceps, vacuum devices, or gloved hands

Identify fetal heart rates and patterns displayed and recorded in real or accelerated time. Evaluate fetal status and take action.

NOELLE operates using rechargeable power while she is rushed to OR for an emergency "C" section

Force, torque and head position displayed during fetal manipulation

NOELLE™ S575 ... tetherless and fully responsive even while being carried



Color, motion and vital signs respond to hypoxic events and interventions. Great for APGAR scoring

Newborn HAL features

Airway

- Oral and nasal intubation
- Use an ET tube or LMA
- Unilateral chest rise
- Multiple upper airway sounds

Breathing

- Control rate/depth of respiration
- Ventilation is measured and logged
- Independent left and right lung sounds
- Breath sounds

Circulation and color change

- Multiple heart sounds, rates, intensities
- Chest compressions measured/logged
- Blood pressure and IV
- Color, vital signs, and motion respond to hypoxic events and interventions
- Umbilical, brachial, and scalp pulses operate continuously
- Pulse strengths vary with blood pressure and pulses are synchronized with ECG

More Newborn Features

- Crying and convulsions
- View ECGs with physiologic variations generated in real-time
- Conductive skin regions
- Apply real electrodes
- Vigorous cry synchronized breathing
- Programmable arm motion

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Simulator

- The NOELLE S575 includes NOELLE, Newborn HAL, two 17" touchscreen monitors with computer control, and two 12" touchscreen wireless tablet PCs

Control

- Change physiologic states using wireless control
- Use our scenarios or quickly build your own
- Share images such as x-rays, CT scans, lab results, or even multimedia presentations as the scenario progresses
- Sensors provide feedback on performance
- Changes in condition and care are time stamped and logged
- Instructors evaluate interventions and insert notes on real-time performance log

Accessories

- 100-240 VAC charger
- Blood pressure cuff
- Instructions
- CDROM tutorial

Other

- One year limited warranty, extended warranty to three years
- Installation and training services available
- NOELLE support personnel available weekdays 8:00 am to 7:30 pm ET

NOELLE with Newborn HAL®	
S575	**$37995**
NOELLE with Premie HAL®	
S576	**$36995**
NOELLE without Newborn HAL®	
S574	**$27995**

Options:

Integrated camera system	
S3101.003	**$9995**
Wireless streaming audio	
S575.300	**$4000**

Patented; other patents pending