



HELAGO-CZ, s.r.o.
Commercial Register maintained by the Regional Court in
Hradec Králové
Section C, File 17879
Kladská 1082
500 03 Hradec Králové 3
Company ID: 25 96 39 61, VAT: CZ 25963961
Phone: 495 220 229, 495 220 394
Fax: 495 220 154
GSM gate: 602 123 096
E-mail: info@helago-cz.cz
Web: http://www.helago-cz.cz

S554.100 - NOELLE Maternal and Neonatal Birthing Simulator

Order code: **4108.S554100**



Information about product price on demand

Parameters

Quantitative unit

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A comprehensive obstetric care and neonatal resuscitation simulation solution.

The NOELLE® with Newborn Package is a value-packed, turnkey solution designed to help students and staff develop the skills to manage antepartum complications, routine and high-risk deliveries, and postpartum emergency scenarios, as well as neonatal resuscitation and stabilization.

Shoulder dystocia

Lifelike shoulder dystocia presents fetal head retraction “turtle signs.”

Breech delivery

Practice vaginal breech deliveries and free the legs using Pinard maneuver.

Assisted delivery

Practice assisted deliveries with vacuum extraction or forceps.

Resuscitation neonate

Full-term intubatable newborn with pulses and cyanosis.

Gaumard Vitals™ patient monitor

Communicates wirelessly with the laptop. Displays up to 8 values including HR, ABP, RR, CO2, SpO2, temperature, NIBP, and time.

NOELLE and newborn eCPR™

Monitor and assess CPR quality in real-time. Export CPR training reports to complement CPR certification or to determine if additional training is required

Virtual perinatal monitor

Easy instructor access to the dynamic perinatal monitor right from the tablet PC.

Precise scenario repeatability

Simulate repeatable deliveries for competency-based training and track skill improvement in critical situations.

Customizable labor

Control labor variables such as labor duration, delivery position, contraction response, and much more.

Placenta

Simulate cord and placenta complications and distress. Placenta features detachable fragments.

Postpartum activity

Program PPH, perform a fundal massage, practice episiotomy repair, and insert and inflate a balloon tamponade device.

Real-time feedback

Changes in condition and care provided are time-stamped and logged.

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 participant 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

Features

- Full-size NOELLE maternal and neonatal birthing simulator with eclampsia and hemorrhage capabilities
- Small footprint and mobile platform allows training on L&D and postpartum units
- Build team and technical competencies
- Preprogrammed speech
- eCPR™ Real-time feedback
- Includes maternal vital signs, fetal heart tones, and TOCO virtual monitor
- Fetal heart tones and neonatal vital signs monitor
- SLE scenario package
- Facilitator's Guidebook
- Set up and run OB simulations for normal labor and birth, variations on normal, shoulder dystocia, breech presentation, preeclampsia, cord prolapse, uterine rupture, peripartum hemorrhage, anaphylactoid syndrome of pregnancy, and preterm labor and birth
- Intubatable airway with chest rise
- IV arms for meds/fluids
- Removable stomach cover

- Programmable eclampsia w/seizures
- Precision delivery system
- Force and fetal shoulder position measured and graphed in real-time
- Programmable postpartum hemorrhage
- Birthing fetus with placentas and umbilical cords
- Bilateral radial pulses
- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

Resuscitation neonate

- Full-term intubatable newborn with cyanosis and pulses
- Chest compressions/ventilations are measured and logged
- Realistic heart and lung sounds
- Realistic crying

UNI® laptop

- Preloaded with UNI simulator control software
- Use preprogrammed scenarios or run "on-the-fly"
- Create your own scenarios - add/edit
- eCPR™ Real-time feedback
- Changes in condition and care provided are time-stamped and logged
- Generate and share diagnostic lab results
- File sharing through vital signs monitor

Gaumard Vitals™ virtual patient monitor

- Touchscreen All-in-One PC preloaded with Gaumard Vitals
- Display up to 8 vital parameters including HR, ABP, RR, CO2, SpO2, temperature, NIBP, and time
- Select up to 5 dynamic waveforms including ECG II, ABP, respiration, CO2, and pulse oximetry
- Monitors maternal and neonatal vital signs
- Perinatal monitor with programmable uterine activity and fetal heart rate