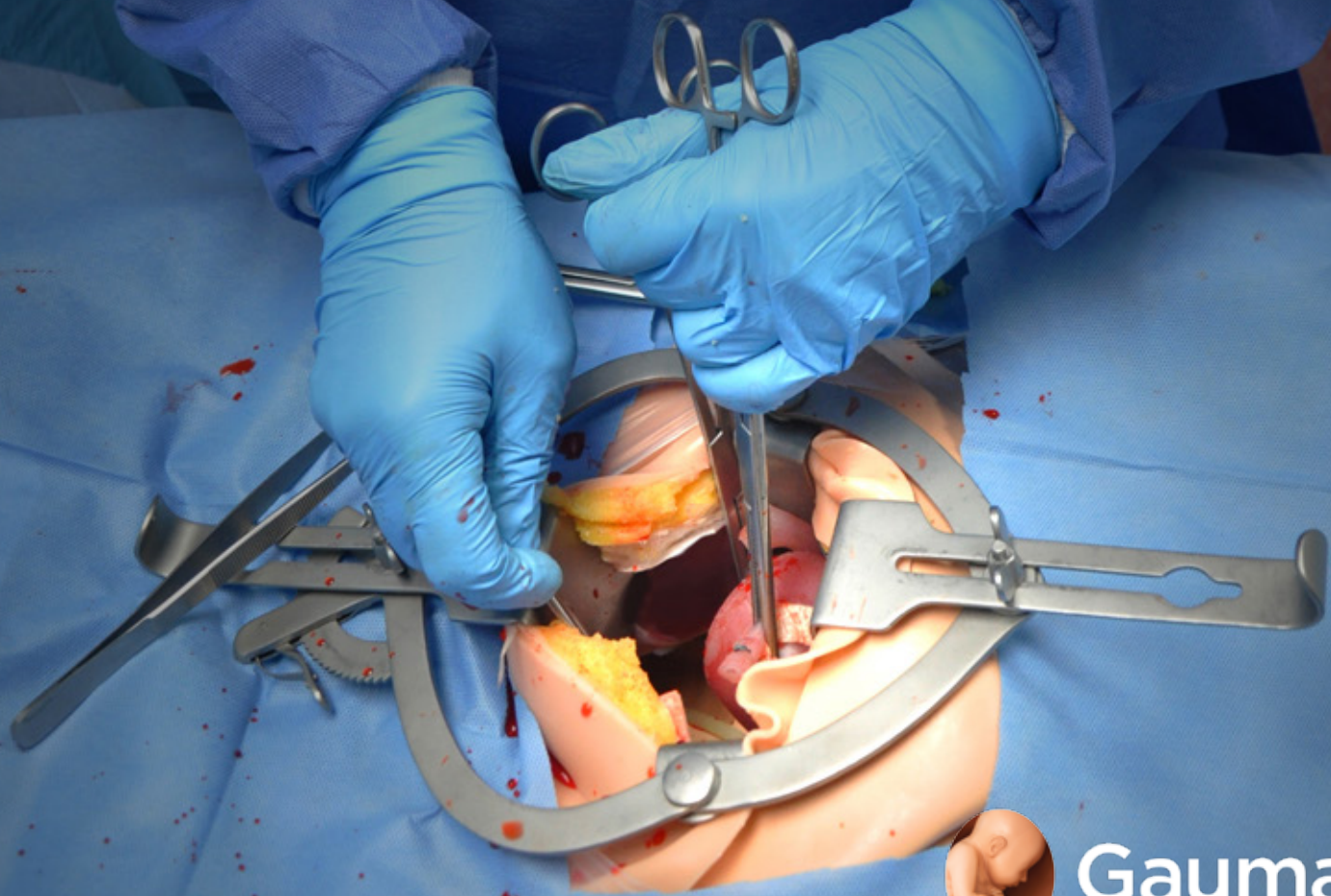


# SURGICAL CHLOE™ S2101

Full Body Surgical Simulator

- Address surgical competencies
- Use real surgical instruments
- Perform laparotomy, laparoscopy, and vaginal procedures
- Wireless and tetherless; Fully responsive in transit
- Includes scenarios created and tested in an academic OB/GYN environment



**Gaumard®**  
Simulators for Health Care Education



**ADDRESS ACGME SKILLS**

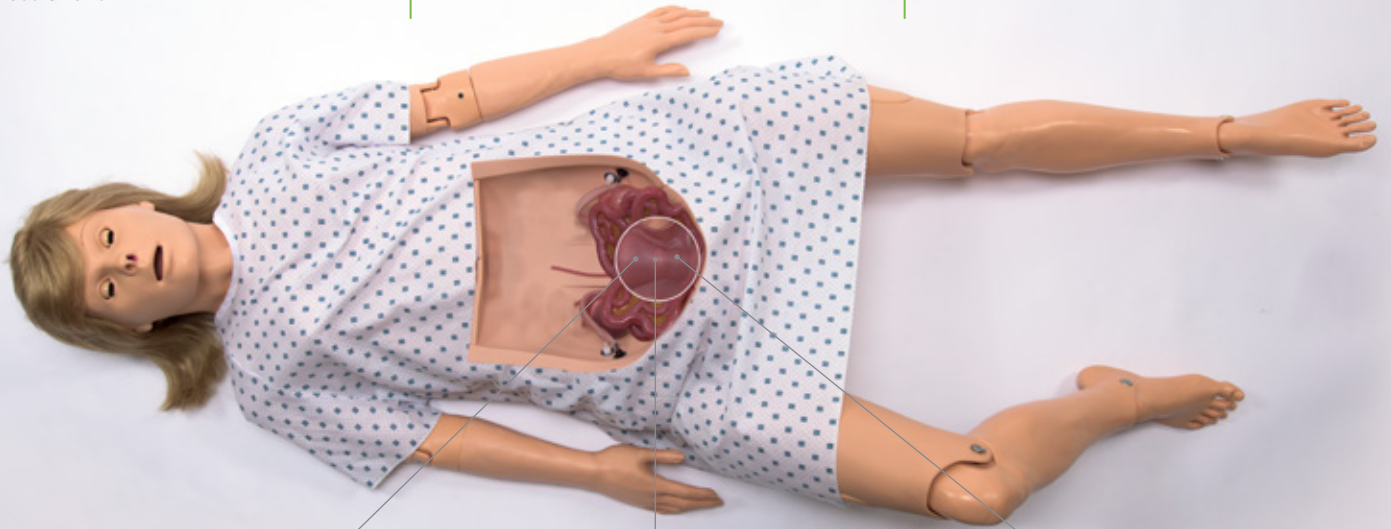
Simulator can be used to address competencies in six areas including: patient care, medical knowledge, practice based knowledge and improvement, systems based practice, communication, and professionalism.

**SURGICAL SCENARIOS**

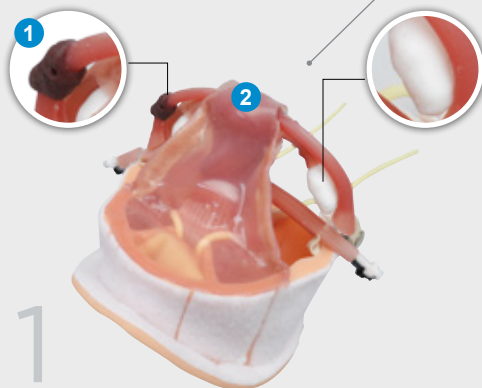
- Ruptured ectopic
- Pelvic mass
- Septic abortion
- Bleeding disorder
- Post-op hemorrhage
- Patient safety (fire)
- Malignant hyperthermia
- Cardiac arrest
- Anaphylaxis
- Hypoxia
- Basic OR Patient

**USE REAL SURGICAL INSTRUMENTS**

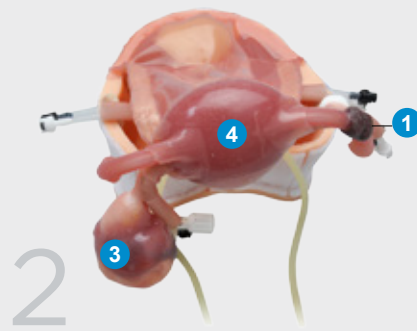
With its lifelike abdominal inserts and uterine assemblies, procedures can be performed using real surgical instruments in a real Surgical OR.



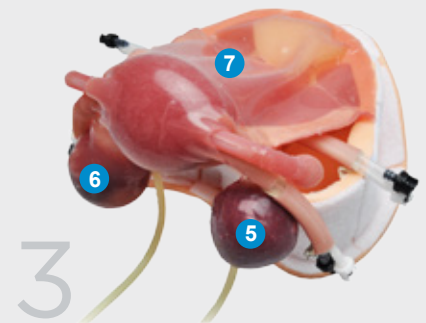
**REPLACEMENT UTERINE ASSEMBLIES**



1 Normal Uterus with Ectopic Pregnancy and Uterus Hemorrhaging



2 Enlarged Uterus with Dermoid Cyst and Ectopic Pregnancy



3 Enlarged Fibroid Uterus with Endometrioma and Simple Cyst

**UNIQUE PATHOLOGIES**

- 1 Ectopic Pregnancy
- 2 Normal-Size Uterus with hemorrhaging
- 3 Dermoid Cyst
- 4 Enlarged Uterus
- 5 Endometrioma
- 6 Simple Cyst
- 7 Enlarged Uterus with Embedded Fibroids

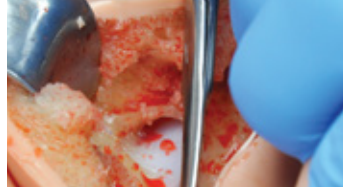
**COMMON FEATURES**

- Veins and Arteries Including Uterine and Ovarian
- Bladder
- Ovaries
- Fallopian Tubes
- Peritoneum
- Ureters
- Perineum with integrated Vagina
- Ligaments including round, uterosacral, infundibulopelvic, and cardinal



## TRAIN FOR EVERYTHING FROM ASSESSMENT TO RECOVERY ROOM

Scenarios can cover an entire procedure, from patient presentation, to assessment, surgical management, and the recovery room.



## BLEEDS WHEN CUT

Abdominal inserts and uterine assemblies incorporate simulated blood to allow realistic practice of hemostatic technique.



## PRACTICE LAPAROTOMY, LAPAROSCOPY & VAGINAL PROCEDURES

Chloe allows caregivers to perform surgical interventions using all three procedures.



## REPLACEABLE UTERINE ASSEMBLIES

Each assembly exhibits different complications, and allows surgical teams to carry out a variety of procedures.



## ASSESS INDIVIDUAL & TEAM COMPETENCIES

Team-building scenarios can be performed for the development of Gynecologic Surgical Skills and Patient Safety.



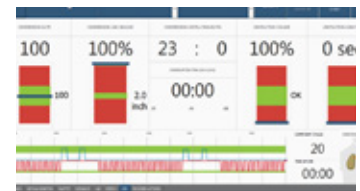
## BOWEL INSERT

For abdominal and laparoscopic procedures, the simulated bowel can be moved aside to provide access to the underlying uterine assembly.



## CUT AND SUTURE LIKE REAL TISSUE

Multi-layer design representing the skin, subcutaneous, fascia, muscle, and peritoneum for maximum realism.



## CPR + CIRCULATION

Detection and log of chest compression and ventilations, bilateral carotid, radial, and brachial pulses; heart sounds, and programmable blood pressure.



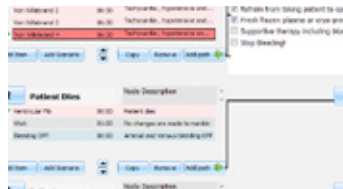
## TABLET PC WITH UNI® SOFTWARE

Control the simulator wirelessly from the intuitively simple UNI® software. Sensors track actions of up to 6 participants' actions and changes in condition are time stamped and logged.



## SPEECH AND STREAMING VOICE

Be the voice of Chloe™ and hear caregiver responses. Create and store vocal responses or select from a pre-recorded vocal menu.



## SURGICAL AND GENERAL PATIENT SAFETY SCENARIOS

Train and assess teams in managing complications such as hemorrhage, malignant hyperthermia, and patient safety



## ALL-IN-ONE WITH VIRTUAL MONITOR SOFTWARE

Customize the display, alarms, and configuration of the virtual vital sign monitor to mimic the real monitors in your facility. Update vitals and share images such as ultrasounds, CT scans, lab results all from the controller tablet.

# SURGICAL CHLOE™ S2101 | Full Body Surgical Simulator

## GENERAL

- Full-body, adult patient simulator
- Available in light, medium, and dark skin tones
- Built-in wireless connectivity with tablet PC
- Powered from an internal rechargeable battery or wall outlet
- Up to(4) hours of tetherless operation on internal, rechargeable battery power
- Articulating head, jaw, shoulder, knees, and ankles
- Realistic rotation of the shoulder and hip joints
- Operates in supine or semi-recumbent position

## NEURAL RESPONSES

- Eyes open and close manually
- Wireless streaming audio & prerecorded responses
- Create and store vocal responses in any language
- Instructor can simulate patient's voice and listen to caregivers conversation

## AIRWAY

- Multiple upper airway sounds synchronized with breathing
- Perform Bag Valve Mask ventilations
- Head tilt/ chin lift
- Anatomically accurate airway including tongue, epiglottis, vocal cords, and esophagus
- Placement of conventional airway adjuncts
- Nasal or oral intubation
- Endotracheal intubation using conventional ETTs
- Placement of NG and OG tubes
- Sellick maneuver brings vocal cords into view

## BREATHING

- Spontaneous breathing and chest rise generated by internal compressor
- Bilateral chest rise and fall
- Programmable rate and depth of respiration
- Variable respiratory rates and inspiratory expiratory ratios
- Normal and abnormal, independent lung sounds synchronized with respiratory pattern and rate
- Ventilations are detected, measured, and logged

## CARDIAC

- Monitor ECG with real equipment from 4 conductive skin regions
- Normal and abnormal heart sounds may be auscultated and are synchronized with ECG
- Multiple programmable heart sounds, rates, and intensities
- Compressions are automatically detected, measured, and logged
- Chest compressions generate palpable pulse and ECG artifacts

## CIRCULATION

- Measure blood pressure by palpation or auscultation real BP cuff rather than a "virtual" cuff to measure blood pressure
- Korotkoff sounds audible between systolic and diastolic pressures
- Bilateral carotid, brachial, and radial pulse sites synchronized with BP and ECG
- Oxygen saturation detected using real monitors rather than a "virtual" value
- Bilateral IV arms with fill/drain sites
- Realistic flashback
- SubQ and IM injection sites
- Venous and arterial bleeding, including ovarian and uterine arteries and veins
- During application of scenarios, vital signs reflect physiologic changes that occur with hemorrhage

## REQUEST A QUOTE

14700 SW 136th Street  
Miami, Florida 33196-5691 | P.O. Box 140098  
Coral Gables, Florida 33114-0098  
**Toll Free USA** | Call 8:00 a.m.- 7:30 p.m. ET  
Monday - Friday | 800.882.6655

**Worldwide:** 305.971.3790

**Web Site:** www.gaumard.com

**Sales / Customer Service:** sales@gaumard.com

## SURGICAL COMPONENTS

### LAPAROSCOPY ABDOMINAL WALL

- Includes eight(8) access ports on left(3), right(3), and midline(2)
- Place Laparoscopic trocars

### LAPAROTOMY ABDOMINAL WALL

- Multi-layer insert design replicates the skin, subcutaneous fat, fascia, muscle, and peritoneum
- Use real instruments for incision, dissection, and suturing
- Can be used at least four(4) times
- Incorporates bleeding
- Perform Pfannenstiel or vertical incision
- Place Laparoscopic trocars

### BOWEL OVERLAY

- Insert that can be placed over uterine assembly for added realism
- Can be pushed aside using standard techniques to access underlying structures

### UTERINE ASSEMBLIES

#### Uterine Assembly 1

- Normal-sized uterus with ectopic pregnancy and uterine hemorrhage. Simulates ruptured ectopic pregnancy with bleeding and severe vaginal bleeding from uterus.

#### Uterine Assembly 2

- Enlarged uterus with dermoid cyst and ectopic pregnancy. Simulates ruptured ectopic pregnancy with bleeding and realistic dermoid cyst.

#### Uterine Assembly 3

- Enlarged uterus with embedded fibroids. Simulates embedded, bleeding fibroids, simple cyst, and endometrioma.
- Additional procedures that are possible on all uterine assemblies include: unilateral oophorectomy, conization of the cervix, expromperubation, hysteroscopy. Existence of blood vessels allows assessment of surgical knot integrity.
- All uterine assemblies include ovarian and uterine veins and arteries, bladder, ovaries, fallopian tubes, peritoneum, ureters, perineum with integrated vagina, ligaments including round, uterosacral, infundibulopelvic, and cardinal.

### WORKBOOK BY MARTIN E. OLSEN, MD

- Workbook of ten(10) advanced scenarios and example surgical checklists:
  - » Ruptured ectopic pregnancy
  - » Pelvic mass in pregnancy
  - » Septic abortion
  - » Bleeding disorder - Von Willebrand's disease
  - » Post-operative hemorrhage after conization of the cervix
  - » Fire in the OR
  - » Malignant hyperthermia during surgery
  - » Cardiac arrest in the OR
  - » Anaphylaxis in the OR
  - » Hypoxia in the OR

### TABLET WITH UNI® CONTROLLER SOFTWARE

- Sensors automatically track and document participants actions
- Changes in condition and care provided are time stamped and logged
- View the actions of up to 6 care providers using a responsive menu or write narrative
- Generate and share diagnostic lab results
- File sharing through Vital Signs Monitor
- Links with recording and debriefing system integrating the event log with cameras and patient monitor 11 preprogrammed scenarios which can be modified by the instructor even during the scenario
- Create your own scenarios - add/edit
- Change simulator's condition during the scenario

## 20" ALL-IN-ONE TOUCHSCREEN PATIENT MONITOR

- Interactive virtual patient monitor displays vital signs in real-time
- Display up to 10 numeric parameters
- Display up to 6 dynamic waveforms
- Customizable layout mimics real patient monitors
- Program custom threshold alarms
- Share images such as ultrasounds, CT Scans, lab results, etc.

## INCLUDES

- Surgical Chloe™ Surgical Patient Simulator
- Control Tablet PC preloaded with UNI® (Microsoft Surface™ Pro 4)
- UNI® License including 11 scenarios
- 20" Touchscreen All-In-One monitor preloaded with Virtual Monitor Software
- RF Communications Module
- Battery charger/Power Supply
- Four(4) abdominal wall inserts
- Twelve(12) uterine assemblies, four(4) of each type
- Workbook by Martin E. Olsen, MD.
- Soft-sided case with rollers
- 1 year standard warranty
- 2, 3, 5 year warranty plans also available
- User Manual

## OPTIONAL

### PORTABLE FUSION HD™ AUDIO/VIDEO SYSTEM

- Two(2) Wireless cameras
- One(1) wired, mounted camera
- Records up to 8 video and audio streams along with 4 patient monitor feeds and a simulator log file
- Advanced search functionality, simultaneous multicomputer access, and instant playback
- Its compatibility with various wireless and wired cameras together with the ability to shoot multiple simulations simultaneously make it the best option for simulations of all types and sizes

## SURGICAL CHLOE™

### S2101

## REPLACEMENTS

### ABDOMINAL WALL INSERT

#### S2101.140

### BOWEL OVERLAY

#### S2101.141

### LAPAROSCOPY WALL

#### S2101.142

### LAPAROTOMY ABDOMINAL WALL

#### S2101.142.1

### UTERINE ASSEMBLY 1

#### S2101.143

### UTERINE ASSEMBLY 2

#### S2101.144

### UTERINE ASSEMBLY 3

#### S2101.145

MADE IN USA

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