

SURGICAL CHLOE - FULL-BODY SURGICAL SIMULATOR - UNI

PRODUCT NUMBER: 1505



DESCRIPTION:

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SKILLS:

- Resuscitation training (CPR)
- BVM ventilation
- Difficult airway management with accurate anatomy
- Nasal and oral intubation
- NG and OG tube placement Sellick maneuver exercises
- Heart and lung auscultation ECG monitoring with real equipment
- Blood pressure measurement
- Pulse palpation
- IV injection skills training
- Subcutaneous injection
- Intramuscular injection
- Oxygen saturation monitoring with real equipment
- Abdominal laparotomy procedures
- Pfannenstiel or vertical incision, dissection and suturing
- Abdominal laparoscopic procedure
- Laparoscopic trocars placement
- Laparoscopic bowel surgery
- Laparoscopic uterine surgery
- Removal of endometrioma
- Removal of dermoid cyst

CASES AND PATHOLOGIES:

PRE-INSTALLED SURGICAL SCENARIOS:

- Basic OR Patient

MORE THAN SIMULATORS S.L.

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- Ruptured Ectopic Pregnancy
- Pelvic Mass in Pregnancy
- Septic Abortion and Sepsis
- Bleeding Disorder (Von Willebrand's Disease)
- Post-Operative Hemorrhage Status/Post-Conization of the Cervix
- Fire in the Operating Room
- Hypoxia in the OR
- Cardiac Arrest in the OR
- Anaphylaxis in the OR
- Malignant Hyperthermia

CHARACTERISTICS:

GENERAL:

- Full-body, adult size patient
- Available in light, medium, and dark skin tones
- Built-in wireless connectivity with tablet PC
- Up to 4 hours of tetherless power from internal, rechargeable battery
- Articulating head, jaw, shoulder, knees, and ankles

NEURAL RESPONSES:

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

AIRWAY MANAGEMENT:

- Multiple upper airway sounds synchronized with breathing
- Perform Bag Valve Mask ventilations
- Anatomically accurate airway including tongue, epiglottis, vocal cords, and esophagus
- Placement of conventional airway adjuncts
- Nasal or oral intubation
- Endotracheal intubation using conventional ETTs
- Place Nasogastric(NG) or Orogastric(OG) tubes
- Sellick Maneuver brings vocal cords into view

BREATHING:

- Spontaneous breathing and chest rise generated by internal compressor
- Bilateral chest rise and fall

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- Programmable rate and depth of respiration
- Normal and abnormal lung sounds synchronized with respiratory pattern and rate
- Artificial ventilation rate and quality detected and logged in UNI® software

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 and logged
- Chest compressions generate palpable pulse and ECG artifacts

CIRCULATION:

- Measure blood pressure by palpation or auscultation using real equipment: Palpate radial pulses,
- Use real cuff rather than "virtual" cuff, Korotkoff sounds audible between Systolic and Diastolic pressures
- Bilateral pulse sites synchronized with BP and Heart Rate: Carotid, Brachial and Radial
- Bilateral Intravenous (IV) arms with fill/drain sites
- Subcutaneous and intramuscular injection sites
- Realistic flashback with proper IV procedure
- Ovarian and Uterine arteries and veins with bleeding functionality
- Vital Signs reflect physiologic changes that occur with hemorrhaging during scenarios
- Oxygen Saturation detected using real monitors rather than a "virtual" value

LAPAROTOMY PROCEDURES:

- Included Abdominal Insert
- Multi-layer 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

LAPAROSCOPY AND VAGINAL PROCEDURES:

- Place laparoscopic trocars
- Includes eight (8) access ports on left (3), right (3), and midline (2) of abdominal wall
- Bowel insert
- Uterine assembly 1:
 - Normal-sized uterus with ectopic pregnancy and uterine hemorrhage
 - Simulates ruptured ectopic pregnancy with bleeding and severe vaginal bleeding from uterus

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- 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, a simple cyst, and endometrioma
- Additional procedures that are possible on all uterine assemblies include: unilateral oophorectomy, conization of the cervix, chromopertubation, 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, and round, uterosacral, infundibulopelvic, and cardinal ligaments

INCLUDE:

- 1 Surgical Chloe Patient simulator
- 1 UNI Control PC for simulation
- 11 Simulation scenarios preconfigured (SLE Package)
- 1 Gaumard Vitals monitor
- 1 RF Communications Module
- 4 Abdominal wall inserts
- 12 Uterine assemblies
- 1 Battery charger
- 1 Workbook by martin E Olsen
- 1 Sof-sided case with rollers
- 1 Instructions manual

ADDITIONAL MODULES:

UNI SIMULATION CONTROLLER (included):

- Surgical Chloe 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.
- Sensors track and log actions of participants
- 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 written narrative
- Generate and share lab results

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- Supplied with tablet PC and Surgical Chloe Operating System
- 11 pre-programmed scenarios which can be modified by the instructor even during the scenario
- Create and edit your own scenarios
- Change simulator's condition during the scenario on-the-fly

BEDSIDE GAUMARD VITALS PATIENT MONITOR (included):

- It simulates the functionality and look of a real patient monitor, allowing participants to practice data interpretation, documentation, and clinical decision-making skills.
- Controlled via wireless tablet PC Simulated vital signs
- Use selected configuration or create your own configuration to mimic the real monitors used in your facility
- Customize alarms
- Easy to operate and control
- Reflect simulator's condition during the scenario
- Share images such as ultrasounds, CT scans, lab results
- Touchscreen control
- Monitor can be configured by the instructor to suit the scenario
- Display up to 10 numeric parameters
- Select up to 6 dynamic waveforms

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