

Clinical Chloe™ Original Patient Simulator

S220 | S221



Gauguard®
Simulators for Health Care Education

Clinical Chloe™ is an interactive educational system developed to assist a certified instructor. It is not a substitute for a comprehensive understanding of the subject matter and not intended for clinical decision making.

User Guide 23.04.01
© Gaumard Scientific Company, 2023
All Rights Reserved
www.Gaumard.com

Care and Cautions

Overall Warnings	4
General	4
Operating Conditions	4
Storage Conditions	4
Cleaning	4
User Guidelines	4
Warnings	4
Maintenance	4

Equipment Set Up

Overview	5
Leg Assembly	5

Working with Clinical Chloe™

Simulator Features	6
---------------------------------	----------

Airway	6
---------------------	----------

Tracheostomy Care	6
-------------------------	---

Systemic	6
-----------------------	----------

Teeth and Tongue	6
------------------------	---

Ears, Nose and Throat	7
-----------------------------	---

Range of Simulated Movement	7
-----------------------------------	---

Male and Female Organs	7
------------------------------	---

Injection Sites	7
-----------------------	---

Breast Palpation and Examination	7
----------------------------------------	---

Decubitus Ulcers (Optional)	7
-----------------------------------	---

Stomach and liver (Model S221)	8
--------------------------------------	---

Transverse Colostomy, Ileostomy, and Suprapubic Cystostomy (Model S221)	8
-------------------------------------------------------------------------------	---

Internal Reservoirs Maximum Capacity	8
--------------------------------------------	---

Hospital Care Capabilities	8
-----------------------------------------	----------

Bandaging	8
-----------------	---

Eyes/Ophthalmologic Exercises	8
-------------------------------------	---

Hygienic Care	8
---------------------	---

Enema Administration	9
----------------------------	---

Urinary Catheterization	9
-------------------------------	---

Appendix

Warranty	11
-----------------------	-----------

Exclusive One-Year Limited Warranty	11
-------------------------------------------	----

Care and Cautions

Overall Warnings

Remember that damage caused by misuse is not covered by your warranty. It is critical to understand and comply with the following guidelines:

GENERAL

- This simulator is constructed of material that approximates skin texture. Therefore, in handling the model, use the same gentle techniques as you would in working with a patient.
- Ball point pens, ink and markers permanently stain the skin.
- Do not wrap this or any other Gaumard product in newsprint.
- Do not use alcohol, acetone, Betadine® or any other antiseptic which contains iodine in this or any Gaumard® simulator. These products could damage or stain the skin of the simulator.
- Replacement parts are available from Gaumard Scientific or your Distributor.

OPERATING CONDITIONS

Operating the simulator outside these ranges may affect performance:

- Operating temperature: 50° - 95° F (10° - 35° C).
- Humidity: 5%-95% (non-condensing).

STORAGE CONDITIONS

- Improper storage may damage the simulator.
- Keep it stored in the box and/or bag provided.
- Do not stack or store heavy materials on top of the carton.
- Storage temperature: 32° - 113° F (0° - 45° C).
- Humidity: 40%-60% (non-condensing).

CLEANING

- Clean the skin of the simulator after every training session. The skin should be cleaned with a cloth dampened with diluted liquid dish washing soap and dry thoroughly.
- Remove all traces of any lubricant.
- Do not clean with harsh abrasives.
- Do not use povidone iodine on the simulator.
- The simulator is “splash-proof” but not waterproof. Do not submerge or allow water to enter the interior of the simulator.

Stoma Guidelines, Warnings, and Maintenance

USER GUIDELINES

- Always handle the stomas with clean hands.

WARNINGS

- Do not palpate using fingernails.
- Do not clean with alcohol or aggressive solvents.
- Do not pack any sharp objects with the stomas.
- Do not press the stomas against soiled surfaces, ink, or newsprint. The stoma material is absorbent.

MAINTENANCE

- Prevent items from resting or pressing against the stomas as indentations will form on the pressure points. The stomas may return to the normal shape after the pressure is relieved.
- Place talcum powder on the stoma surface to reduce tackiness. This can be reapplied as needed.
- Clean the stomas using a mild solution of soap and water.
- Apply talcum powder to return the surface to a skin-like feel and appearance.

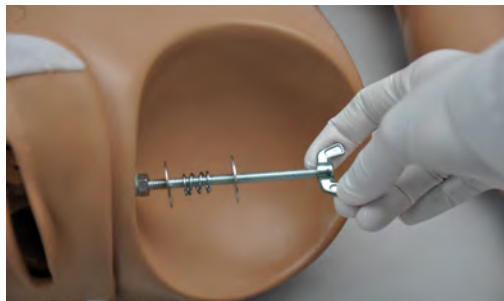
Equipment Set Up

Overview

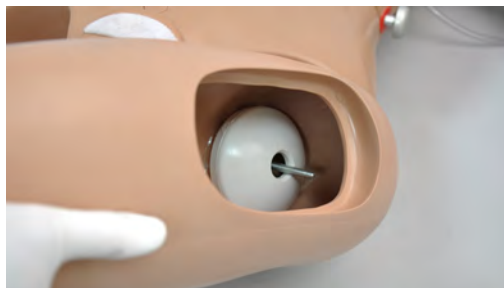
The simulator is shipped partially assembled. Perform the following steps as part of the first installation procedure.

LEG ASSEMBLY

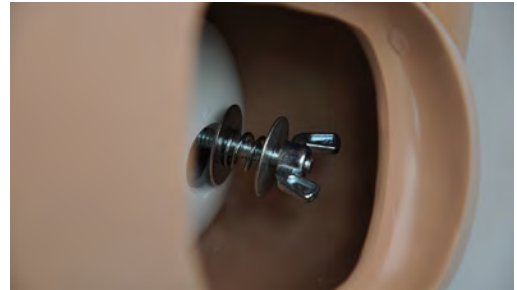
1. Place the simulator on a flat surface.
2. Remove the wing nuts, washers and springs from the bolts on the hips.



3. Remove the IM pad from each leg and slide the bolt through the orifice in the leg.



4. Reach through the IM site and assemble the fasteners onto the hip bolt in this order: washer, spring, second washer, and wing nut.



5. Tighten the wing nut until the spring is compressed slightly.

Working with Clinical Chloe™

Simulator Features

Disclaimer: The section below describes all possible features in the Clinical Chloe™ simulator. Please use the list below to identify which features are standard in your model. The content of this information is subject to change without prior notice. Please contact Gaumard® Scientific for the most current information.

Clinical Chloe is an advanced multipurpose simulator equipped with the following features:

- Enema administration
- Injection site in deltoids, quadriceps, and left buttock
- Interchangeable male and female breasts; left female breast has malignancy
- Male and female genitalia to perform catheterization
- Medium skin tone is the standard simulator color; light or dark skin is available at no extra cost
- Ostomy set
- Surgical site for tracheotomy
- Trachea, bronchi, and lungs to assess airway skills
- Vaginal douching and pap smear exercises with realistic vagina and cervix

Airway

TRACHEOSTOMY CARE

The simulator is supplied with a tracheostomy opening.

Systemic

TEETH AND TONGUE

The simulator is supplied with normal size teeth and tongue. The upper and lower dentures are removable.

TEETH ASSEMBLY/DISASSEMBLY INSTRUCTIONS

The dentures are attached with Velcro, and no force is required for their removal.

1. To remove the teeth, gently insert one finger into the upper or lower jaw and tap lightly. Dentures will immediately snap out.
2. To reinsert, gently hold lower or upper lip and replace dentures.

EARS, NOSE AND THROAT

WARNING

Always use lubricant prior to the introduction of a Levin tube or any other invasive device.

Left ear: the interior of the ear contains a simulated ear canal with a capacity of 10 ml to practice syringing exercises.

Nasal/oral openings: both are connected to the stomach reservoir/tank. Use a #10 Levin tube to demonstrate tube feeding and gastric suction.

A gastric reservoir (capacity: 850 ml) is provided with an opening for gastrostomy.

RANGE OF SIMULATED MOVEMENT

The joints are strong and their movements are lifelike and realistic.

MALE AND FEMALE ORGANS

The simulator includes a fitted female genitalia and a male organ attachment. The male organ attachment is a reproduction of a male external genitalia with scrotum.

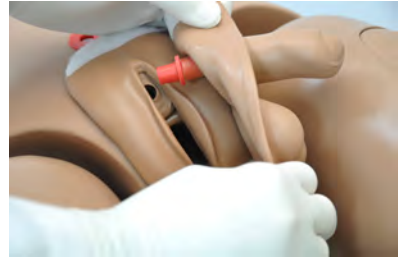
ASSEMBLY INSTRUCTIONS

1. To attach the male organ, remove the red adaptor connected to the urethra passage and set it aside.



Do not throw the red adaptor away, as it is necessary to perform female catheterization exercises.

2. Gently slide the tube from the male organ into the opening of the urethra and attach the Velcro.



INJECTION SITES

Administer intramuscular and subcutaneous injections on the deltoids, quadriceps, and left upper gluteal region. All injection pads are easily removed and replaced.

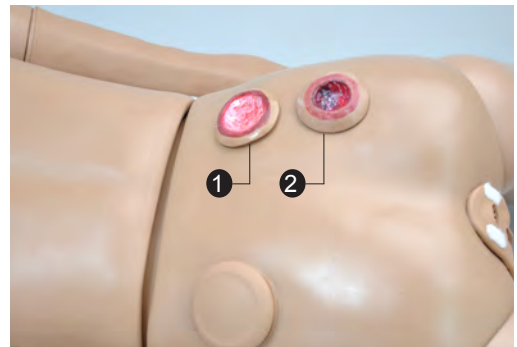


BREAST PALPATION AND EXAMINATION

The simulator is provided with two sets of interchangeable male and female breast inserts. The left female breast contains a simulated tumor. The right female breast is normal.

DECUBITUS ULCERS (OPTIONAL)

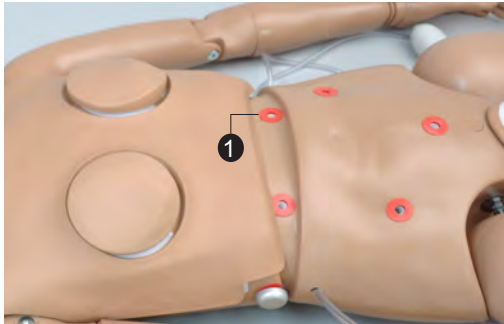
The simulator is supplied with two anatomically accurate ulcers.



- ① Initial stage of ulceration
- ② Suppuration or pus/deeply infected stage.

STOMACH AND LIVER (MODEL S221)

The upper torso contains a realistic stomach and liver. A gastrostomy port, located near the waist, connects directly to the stomach tank.

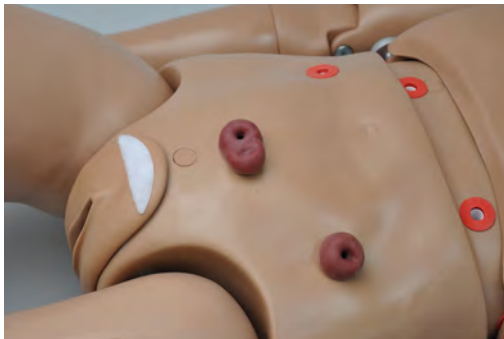


① Gastrostomy port

TRANSVERSE COLOSTOMY, ILEOSTOMY, AND SUPRAPUBIC CYSTOSTOMY (MODEL S221)

The simulator has anatomically sculptured stomas of a transverse colostomy, ileostomy, and suprapubic cystostomy.

Practice skin preparation, stoma hygiene, treat conditions around the site, and apply disposable or permanent ostomy bags to the openings.



- ① Ileostomy
- ② Suprapubic cystostomy
- ③ Transverse colostomy

INTERNAL RESERVOIRS MAXIMUM CAPACITY

Tank	Total Capacity
Stomach	750 ml
Bladder (Suprapubic Stoma)	1800 ml
Rectum (Colostomy)	1800 ml
Ileostomy	650 ml
Ear Canal	10 ml

Hospital Care Capabilities

WARNING

Always use a lubricant when introducing an invasive device.

BANDAGING

The fingers and toes of the simulator are separated to permit bandaging exercises. The surface of the simulator is smooth and resistant to water, oil, and liniments.

EYES/OPHTHALMOLOGIC EXERCISES



The head has eyes that have eyelids that open and close depending on the position of the simulator. In an upright position they will open and in a supine position they will close. They may also be manually manipulated as needed to perform the following exercises:

- Administration of orbital medicines into the conjunctival sac
- Removal of foreign bodies
- Eye irrigation

HYGIENIC CARE

The head of the simulator is supplied with a wig, permitting instruction in combing, shampooing, and head draping.

ENEMA ADMINISTRATION

The legs articulate to permit enema exercises with the simulator on its back. The enema should be introduced with an anal nozzle of small diameter. The enema reservoir capacity is approximately 750 ml.

URINARY CATHETERIZATION

Chloe has a simulated bladder and female genitalia to practice catheterization procedures.

Use the suprapubic opening to fill the bladder and an 18 Fr catheter to withdraw fluids.

FILLING THE BLADDER

To fill the bladder, insert a funnel or a large syringe at the suprapubic opening, and instill 500 ml of water.



EMPTYING THE RESERVOIR SYSTEM

To remove fluid from the bladder reservoir, sit the simulator over a bedpan with the catheter in place; alternatively, remove the waist rod separating the upper torso from the lower torso, and press out the fluid from the bladder reservoir.

SIMULATING BLADDER CONTRACTION

Catheterization exercises may be carried with the aid of an auxiliary tank on a stand.

1. Fill the auxiliary tank with fluid and place on provided stand.
2. Remove stoma from suprapubic opening, if connected.
3. Connect the auxiliary tank to the suprapubic opening using the red connector.

The gravity feed of the fluid simulates the contraction of the bladder and adds realism to the procedure.

INCREASING URINARY FLOW

Use the squeeze bulb located on the right side of the lower torso to inflate an internal cushion lifting the bladder anteriorly. This will increase bladder pressure and consequently intensify the urinary flow.

Remove the ostomy from the suprapubic stoma and attach the rubber plug to seal the bladder reservoir.



FEMALE CATHETERIZATION

- Catheterize the simulator lying on its back.
- Perform female catheterization exercises with the urethra plug connected.



- When practicing urinary catheterization, separate the labia minora to examine the urethral opening. The realistic simulation of the vulva area also permits instruction in asepsis and disinfection.
- Use an 18 Fr catheter, as smaller catheters may cause leakage.
- Lubricate the distal end of the catheter before insertion.

MALE CATHETERIZATION

- Catheterize the simulator in the upright or recumbent position.

- The realistic simulation of the male genitalia also permits instruction in asepsis and disinfection.
- Use an 18 Fr catheter, smaller catheters may cause leakage.
- Lubricate the distal end of the catheter before insertion.

ASSEMBLY INSTRUCTIONS

1. Remove the red adaptor from the urethra.



Do not throw the red adaptor away since it is necessary to perform female catheterization exercises.

2. Gently slide the tube from the male organ into the opening of the urethra and attach the Velcro.



Appendix

Warranty

EXCLUSIVE ONE-YEAR LIMITED WARRANTY

Gaumard warrants that if the accompanying Gaumard product proves to be defective in material or workmanship within one year from the date on which the product is shipped from Gaumard to the customer, Gaumard will, at Gaumard's option, repair or replace the Gaumard product.

This limited warranty covers all defects in material and workmanship in the Gaumard product, except:

Damage resulting from accident, misuse, abuse, neglect, or unintended use of the Gaumard product;

Damage resulting from failure to properly maintain the Gaumard product in accordance with Gaumard product instructions, including failure to properly clean the Gaumard product; and

Damage resulting from a repair or attempted repair of the Gaumard product by anyone other than Gaumard or a Gaumard representative.

This one-year limited warranty is the sole and exclusive warranty provided by Gaumard for the accompanying Gaumard product, and Gaumard hereby explicitly disclaims the implied warranties of merchantability, satisfactory quality, and fitness for a particular purpose. Except for the limited obligations specifically set forth in this one-year limited warranty, Gaumard will not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory regardless of whether Gaumard has been advised of the possibilities of such damages. Some jurisdictions do not allow disclaimers of implied warranties or the exclusion or limitation of consequential damages, so the above disclaimers and exclusions may not apply and the first purchaser may have other legal rights.

This limited warranty applies only to the first purchaser of the product and is not transferable. Any subsequent purchasers or users of the product acquire the product "as is" and this limited warranty does not apply.

This limited warranty applies only to the products manufactured and produced by Gaumard. This limited warranty does not apply to any products provided along with the Gaumard product that are manufactured by third parties. For example, third-party products such as computers (desktop, laptop, tablet, or handheld) and monitors (standard or touch-screen) are not covered by this limited warranty. Gaumard does not provide any warranty, express or implied, with respect to any third-party products. Defects in third-party products are covered exclusively by the warranty, if any, provided by the third-party.

Any waiver or amendment of this warranty must be in writing and signed by an officer of Gaumard.

In the event of a perceived defect in material or workmanship of the Gaumard product, the first purchaser must:

Contact Gaumard and request authorization to return the Gaumard product. Do NOT return the Gaumard product to Gaumard without prior authorization.

Upon receiving authorization from Gaumard, send the Gaumard product along with copies of (1) the original bill of sale or receipt and (2) this limited warranty document to Gaumard at 14700 SW 136 Street, Miami, FL, 33196-5691 USA.

If the necessary repairs to the Gaumard product are covered by this limited warranty, then the first purchaser will pay only the incidental expenses associated with the repair, including any shipping, handling, and related costs for sending the product to Gaumard and for sending the product back to the first purchaser. However, if the repairs are not covered by this limited warranty, then the first purchaser will be liable for all repair costs in addition to costs of shipping and handling.

Extended Warranty In addition to the standard one year of coverage, the following support plans are available: Two-Year Extension (covers second and third years)

Call for pricing (USA only)



Contact Us

E-mail Technical Support: support@gaumard.com

Before contacting Tech Support you must:

1. Have the simulator's Serial Number
2. Be next to the simulator if troubleshooting is needed.

E-mail Sales and Customer Service: sales@gaumard.com

Phone: Toll-free in the USA: (800) 882-6655

Worldwide: 01 (305) 971-3790

Fax: (305) 667-6085

Post: Gaumard Scientific

14700 SW 136 Street

Miami, FL 33196-5691

USA

Office hours: Monday-Friday, 8:30am - 4:30pm EST (GMT-5, -4 Summer Time)

General Information

Gaumard®, ZOE®, Michelle®, Mike®, PEDI®, Susie Simon®, Susie®, Simon® Code Blue®, SIMA Models®, SIMA GYN/AID®, Virtual Instruments®, Codemaker®, Code Blue®, NOELLE®, Simulation Made Easy™, HAL®, CPRLink™, Zack™, RITA™, Chloe™, Seatbelt Susie™, Krash Kids™, Premie™, GIGA®, Omni™, SmartSkin™ are Trademarks of

© Gaumard Scientific Company, 2012

All rights reserved.

Gaumard®, NOELLE®, HAL® are trademarks of Gaumard Scientific Company, Inc.

Patented; Other Patents Pending

Always dispose of this product and its components in compliance with local laws and regulations.