



Advanced Patient Care Simulator S230.10

Male and Female Catheterization

Advanced Patient Care Male and Female Catheterization Simulator 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 12.6.1
© Gaumard Scientific Company, 2012
All Rights Reserved
www.Gaumard.com

Table of Contents

Care and Cautions

Overall Warnings	6
General.....	6
Storage.....	6
Cleaning.....	6
Stoma Guidelines, Warnings, and Maintenance	6
User Guidelines.....	6
Warnings.....	6
Maintenance.....	6

Getting Started

Overview	8
Appearance.....	8
Simulator.....	8
Other.....	8
Contents	8
Terminology	8

Equipment Set Up

Removing and Replacing the Skin	10
--	-----------

Working with the Simulator

Simulator Features	12
Bladder Catheterization.....	12

Female and Male Catheterization	13
Ostomy Catheterization	13
Ostomy Care	13
Enema Procedures.....	14
Cervical Examination.....	14
Rectal Examination.....	14

Care and Cautions

Overall Warnings

Damage caused by misuse may void the manufacturer's warranty. Failure to comply with the following guidelines may result in injury or damage to the equipment. Additional warnings are found throughout the document.

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.

Do not wrap this or any other Gaumard product in newsprint.

Indelible marks made with ballpoint pens, ink or marker cannot be removed.

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.

STORAGE

Improper storage may damage the simulator. Keep it stored in the box and/or bag provided.

Store the simulator in a cool, dry place. Extended storage above 85 degrees Fahrenheit (29 Celsius) will cause the simulator to soften and slowly warp.

Do not stack or store heavy materials on top of the box and/or bag.

It is acceptable to operate the simulator at an ambient temperature of 95 degrees Fahrenheit (35 Celsius).

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.

Do not clean with harsh abrasives.

Do not use povidone iodine on the simulator.

Dry thoroughly.

The simulator is "splash-proof" but not water-proof. 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.

Getting Started

Overview

The S230.10 Advanced Patient Catheterization, Ostomy and Enema Simulator is an advanced training tool useful to illustrate the following procedures:

- Female and Male Catheterization
- Ostomy Care
- Enema Procedures
- Cervical Examination
- Rectal Examination

The simulator is equipped with the following features:

APPEARANCE

- Medium skin tone is the standard simulator color; light or dark skin is available at no extra cost.

SIMULATOR

- Full-size adult lower torso with leg stumps

OTHER

- One year limited warranty

Contents

Item	Quantity	Description
1	2	Silicone stoma
2	1	Real size lower human torso with female genitalia
3	1	Auxiliary tank <ul style="list-style-type: none"> • One (1) 1500 cc Vinyl Bag • One (1) Vinyl Tubing with adaptor tip • One (1) Tube Clamp • One (1) Moisture-proof Drape • One (1) Enema Soap Packet
4	1	Carrying bag
5	1	Silicone oil bottle

6	1	Enema supplies <ul style="list-style-type: none"> • One (1) 1500 cc Vinyl Enema Bag • One (1) Vinyl Tubing with Pre-lubricated Tip • One (1) Tube Clamp • One (1) Protective Tip Cover • One (1) Moisture-proof Drape • One (1) Enema Soap Packet • One (1) Stand frame
7	4	Stoppers which may be needed to plug ostomy port
8	2	Replaceable seals that fit into the female urethra
9	1	Attachable male genitalia



Terminology

FACILITATOR - the person conducting the simulation; an instructor or lab staff member.

PROVIDER - a person participating in the simulation as a healthcare provider.

Equipment Set Up

Removing and Replacing the Skin

The skin and foam top can be removed in order to clean the inside of the torso.



To remove the skin:

1. Carefully detach it from the back end of the simulator (end with the view port) by lifting it up.
2. Then remove the skin from each leg before completely removing the skin.

To replace the skin, simply reverse the procedure (i.e., begin by carefully fitting the skin over each leg and then slide it up and over the back end of the torso).

Working with the Simulator

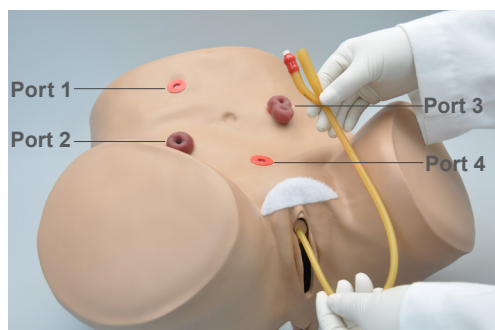
Simulator Features

BLADDER CATHETERIZATION

One of the most important elements of nursing care is bladder catheterization, i.e. the removal of urine from the bladder by the introduction of a catheter. The S230.10 was designed with realistic features that permit bladder catheterization training. The simulator consists of an adult lower torso with leg stumps, allowing catheterization in the seated or recumbent position. Internal mechanisms of the simulator permit the instructor to:

- Teach catheterization techniques.
- Familiarize trainees with female and male external anatomy.
- Feel resistance during insertion of catheter.
- Feel simulated bladder contraction.

The figure below shows a simulated female bladder catheterization with the use of an 18 Fr urinary catheter.



Always lubricate the catheter using silicone lubricant. Failure to lubricate the catheter will damage the internal valves and cause leakage.

DIRECTIONS FOR USE

1. Remove silicone stoma from port 4, if attached.
2. Fill auxiliary tank with water.

3. Attach auxiliary tank adaptor tubing to port



4. Fill simulated bladder with the aid of auxiliary tank.
5. Collect items required for procedure.
6. Move manikin to desired position.
7. Apply lubricant to catheter.
8. Separate labia if using female part or hold male genitalia.
9. Continue procedure following aseptic technique.

SIMULATING BLADDER CONTRACTION

Bladder catheterization exercises may also be carried out with the aid of an auxiliary tank placed upon a stand near the simulator, to simulate bladder contraction. Fill the tank with water and attach to port 4 (suprapubic stoma) of the simulator.

The elevation of the tank provides gravity feed of the fluid contracting the bladder when catheter is inserted.

INCREASING URINARY OUTFLOW

A tank positioned on the posterior side of the simulator can increase urinary outflow by applying a uniform pressure to the anterior side. The tank is filled with air by compressing a small pump connected to the tank. Increasing the tank volume would displace and apply pressure

to the anterior abdominal cavity. Inflate tank by pressing the pump attached until the desired pressure is achieved.



FEMALE AND MALE CATHETERIZATION

The labia are separated to examine the urethral opening. Prior to the insertion of the male genitalia, remove the seal from the female genitalia. Note that the female genitalia are bonded to the simulator and the male genitalia is attached using Velcro® strips. When practicing catheterization with the male genitalia in place, the penis must be manipulated to permit the passage of the 18 Fr urinary catheter. The urethra is connected to an internal urinary bladder. Leakage is minimized through removable internal valves located between the urethra opening and the bladder. Training on asepsis and disinfection is also possible.



DIRECTIONS FOR USE

1. Lubricate the tip of the catheter before insertion.
2. Use the auxiliary tank to fill the bladder tank to a maximum capacity of 2 liters, to recreate bladder contractions during catheterization.
3. To perform a male catheterization, remove the urethra plug and insert the male genitalia to the urethra connector and attach with Velcro.
4. To perform a female catheterization, remove the male genitalia by disconnecting it from the urethra connector and pulling out from the Velcro attachment. Attach the urethra plug inside the urethra conduit.

OSTOMY CATHETERIZATION

Ostomy catheterization training can also be done with the S230.10 simulator. Under certain medical conditions the insertion of a catheter would be required to drain fluids or urine.

DIRECTIONS FOR USE

1. Remove silicone stoma from selected port if attached.
2. Fill auxiliary tank with water.
3. Attach auxiliary tank adaptor tubing to ostomy port.
4. Fill internal reservoir with the aid of auxiliary tank.
5. Perform ostomy catheterization with a 9 Fr catheter or smaller.

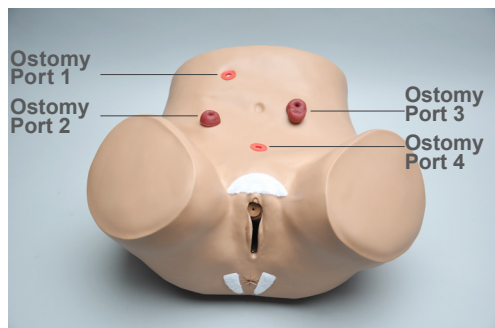
WARNING

The protrusion of the stoma is made out of silicone. Always apply silicone oil to the stoma protrusion and to the end of the catheter before beginning with the procedure.

OSTOMY CARE

The creation of an ostomy (a temporary or permanent artificial opening) is an important part of abdominal surgery. This procedure is conducted under strict aseptic conditions to avoid potential risks like infection.

The S230.10 features simulated stomas, with realistic appearance and internal reservoirs attached. Ostomy bags may be attached to the openings to practice ostomy care exercises. Exercises in skin preparation and stoma hygiene as well as treatment of common skin conditions around the stoma may be practiced. The S230.10 contains ostomy ports for procedures relating to the bladder, the ileum, and the bowel. Internal tanks connect to the appropriate ports.



The suprapubic stoma is connected to the bladder tank which connects to the urethra. The rectal stoma is connected to the colostomy tank which connects to the rectum. Ileostomy care can be practiced using the two communicating ostomy ports located on the right side of the torso that connect to an isolated internal tank.

DIRECTIONS FOR USE

If catheterization of stoma is required, first fill respective reservoir tank with auxiliary tank then, use a 9 Fr catheter to perform catheterization.

Apply silicone oil to the catheter tip and ostomy port before catheterization.

ENEMA PROCEDURES

Practice enema care using the kit provided. Raise the fluid bag above the anus to allow the fluid to flow without obstructions. It is recommended to use distilled water for the enema fluid.



CERVICAL EXAMINATION

Pelvic and vaginal speculum examination can be performed with the simulator. Speculum can be placed, cervix viewed, and basic procedures practiced. Vaginal wall can be palpated.



RECTAL EXAMINATION

Rectal wall can be palpated using the simulator.



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)



Gaumard[®]
Simulators for Health Care Education

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.