

# Breast Palpation Simulator For Clinical Teaching

S230.40



**Gaumard®**  
Simulators for Health Care Education

The Breast Palpation Simulator For Clinical Teaching 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 14.9.1

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# Care and Cautions

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# 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.

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## GENERAL

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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.

Have trainees wash their hands prior to use.

Palpate using the pads of the middle three fingers. (Do not palpate using the fingernails as this might tear the skin)

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.

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## STORAGE

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

Store the simulator with the breasts facing upwards in the carrying case provided.

Store the simulator in a cool, dry place. Extended storage should be between 32 - 85 degrees F (0-29 Celsius). Other temperatures 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) for a short period of time.

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## CLEANING

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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.

Dry thoroughly.

The simulator is "splash-proof" but not water-proof. Do not submerge or allow water to enter the interior of the simulator.

When thoroughly dry, apply a small amount of talcum powder to return the surface to a skin-like feel and appearance.

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# Getting Started

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# Overview

The S230.40 Breast Palpation Simulator for Clinical Teaching, is an advanced training tool used to illustrate breast examination techniques and identification of abnormalities.

Gaumard's S230.40 Breast Examination Simulator combines state-of-the-art materials to create a realistic look, feel and texture in addition to lifelike softness and durability. The breasts, nipples and areola have realistic features. The cysts and masses located in the breasts have distinct textures useful in recognizing normal and abnormal conditions.

As such, the simulator provides an excellent platform on which trainees can learn how to perform a breast examination as well as demonstrate breast self-examination to women who want to learn how to do it.

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## APPEARANCE OF THE SIMULATOR

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The simulator consists of an adult upper torso with interchangeable right and left breasts including axillary regions. Medium skin tone is the standard simulator color; light and dark skin is available at no extra charge.

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## OTHER

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- One year limited warranty

# Contents

Item	Quantity	Description
1	3	Interchangeable left breasts demonstrating chronic mastitis, benign growth, and scirrhous carcinoma
2	3	Interchangeable right breasts demonstrating carcinoma, the "orange skin" effect, giant sarcoma, and normal breast tissue.
3	1	Upper torso
4	1	Instruction Manual
5	1	Soft Carrying bag

# Terminology

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

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

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# Equipment Set Up

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## BREAST ASSEMBLY

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The package comes with one torso and 3 pairs of differing left and right breasts. The S230.40 Breast Palpation Simulator is shipped with one pair of left and right breasts already attached to the torso.

1. Collect the torso assembly and the breasts you wish to use for the procedure.
2. If necessary, remove the pre-assembled left and right breasts: gently lift up each breast until your fingers touch the Velcro attachment, then remove the breast by separating it from the torso. When removing the breast from the torso, do not apply force directly to the breast tissue.
3. Please ensure that the torso is clean and that nothing will obstruct the placement of the breasts



4. Align and gently press the breast's Velcro strip onto the torso's Velcro strip.



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## POSITIONING

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The Manikin is made to function in the upright (vertical) or prone (horizontal) position. Do not rest the manikin on its breasts as this can result in damage to the breasts.



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# Working with the Simulator

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# Instructions For Use

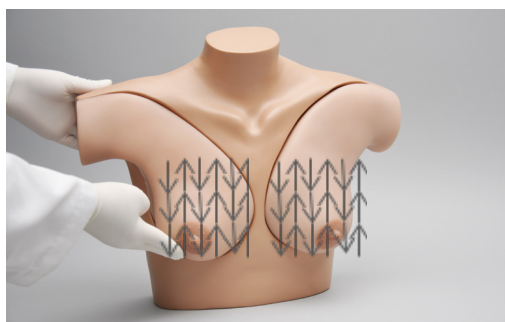


Left and Right Breasts

All 6 breasts can be used to identify the masses and cysts using the spiral method or up-and-down (grid) method. With either method, be sure to include the tail of the breast which extends up into the axilla.



Spiral Method of Palpation



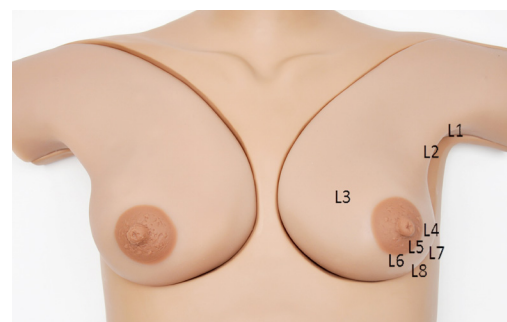
Up-and-Down Method of Palpation

# Breast Pathology

The S230.40 Breast Palpation Simulator's six interchangeable breasts include a variety of different pathologies for training of breast examination. An assortment of malignant and benign tumors is included within both the mammary and axilla regions.

## DESCRIPTION OF INCLUDED BREASTS

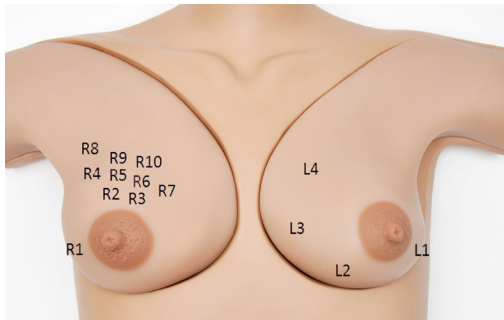
1. Right Breast #1: Normal
2. Left Breast #1: This breast represents (in a slightly exaggerated form) various stages of fibrocystic disease (chronic mastitis) which is due to an endocrine imbalance and may be found in many normal women. There are six discrete fibrocystic nodes on the lower outer quadrant and a somewhat larger node on the upper inner quadrant. Two additional malignant tumors can also be palpated in the upper, outer quadrant; one resulting from an enlarged lymph node.



**Normal Right Breast and Left Breast with Chronic Mastitis.**

Left Breast	Number	Diameter (mm)
Malignant Tumor	L1, L2	20mm
Fibrocystic Mass	L3, L8	16mm
Fibrocystic Mass	L4	9mm
Fibrocystic Mass	L5, L7	10mm
Fibrocystic Mass	L6	6mm

3. Right Breast #2: This breast shows a comparatively rare but palpable tumor: a giant sarcoma (or giant mammary myxoma) of which the wildly growing masses can be easily felt. The Giant Sarcoma can be palpated in the lower outer quadrant, and the sarcomas, including a columnar mass, are scattered within the upper quadrants.
4. Left Breast #2: This breast shows one of the most common types of benign growths (fibroadenomas) for women under the age of 30. Three fibroadenomas varying in size from 10-16mm and an additional 20mm benign tumor are scattered around the breast.

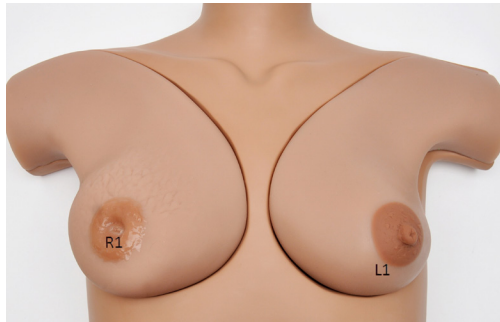


Right Breast with Giant Sarcoma and wildly growing masses and Left Breast with benign growths.

Right Breast	Number	Diameter (mm)
Giant Sarcoma	R1	25mm
Sarcoma	R2, R3	10mm
Sarcoma	R4, R9	20mm
Sarcoma	R5, R6	12mm
Sarcoma	R7, R10	15mm
Sarcoma, Columnar	R8	15mm

Left Breast	Number	Diameter (mm)
Smaller Fibroadenoma	L1	11mm
Benign Growth	L2	25mm
Larger Fibroadenoma	L3, L4	15mm

5. Right Breast #3: This breast shows a retracted nipple with “orangeskin” effect, and on careful palpation, a mass can be felt immediately under the nipple. The breast represents a carcinoma in one of the milk ducts.
6. Left Breast #3: This form of breast cancer (scirrhous carcinoma) is one of the more commonly encountered malignant tumors of the breast. When palpating, note the infiltrating nature of the growth. It has no well-defined borders and cannot be moved within the breast.



Right breast showing a retracted nipple with “Orangeskin” effect, and Left Breast with Scirrhous Carcinoma.

Right Breast	Number	Diameter (mm)
Benign Tumor	R1	20mm

Left Breast	Number	Diameter (mm)
Malignant Infiltrating Tumor	L1	30mm

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# Appendix

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**REPLACEMENT PART LIST**

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Item Number	Name	Description
S230.40.853R.1	Right Breast #1	Normal Breast with carrying bag
S230.40.853R.2	Right Breast #2	Giant Sarcoma with wildly growing masses with carrying bag
S230.40.853R.3	Right Breast #3	Retracted nipple with "orange skin" effect with carrying bag
S230.40.853L.1	Left Breast #1	Chronic Mastitis with carrying bag
S230.40.853L.2	Left Breast #2	Benign Growth with carrying bag
S230.40.853L.3	Left Breast #3	Scirrhous Carcinoma with carrying bag
S230.40.870	Adult Upper Torso	Adult Upper Torso with carrying bag

# Warranty

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## EXCLUSIVE ONE-YEAR LIMITED WARRANTY

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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](mailto: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](mailto:sales@gaumard.com)

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

Worldwide: 01 (305) 971-3790

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