

# Gynecological Examination Simulator

LM-110

## Instruction Manual

Thank you for purchasing the Gynecological Examination Simulator.

Please read this instruction manual carefully to ensure correct use of the product,  
and store it in a safe place for easy access.

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## Handling and Safety Precautions

**These precautions should be strictly observed in order to ensure safe, long-term use of the product.**

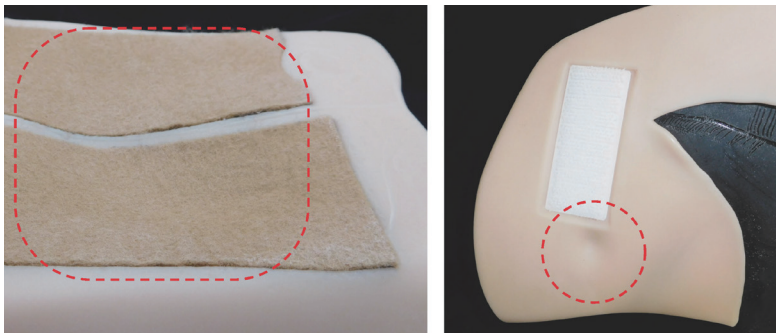
**The following precautions should be observed particularly strictly:**

1. This model is made from special materials so that it closely resembles the feel of a living body, so please handle this product gently as you would do so with a living body. Applying excessive force, such as by pulling or dropping the model, can damage the product.
2. The materials of this model have a distinct odor. It is not harmful to the human body, and does not affect the product's quality. The distinct odor will recede over time. Since the product is coated with baby powder during manufacturing, there may be a trace smell of baby powder.
3. Please use glycerin as a lubricant. Please apply some glycerin before use during a practical. The manufacturer is not liable for product deterioration or damage caused by the use of lubricant other than glycerin.

\*This product does not come with glycerin. Please purchase glycerin separately.

4. Please do not use oily lubricant (baby oil, olive oil etc.), alcohol lubricant, and lubricant containing organic solvent. These may cause breakage of the model.
5. In caring for the model, do not use rubbing alcohol, thinners, or benzine or other organic solvents on the model, as doing so may cause damage.
6. Never draw on the model with oil-based ink, pencil, chalk, or paint as it will stain the product permanently.
7. Placing an object directly on the product or placing the product on an uneven surface may change the shape of the product.
8. If the model was cleaned with water to reduce stickiness or after use in a practical, apply baby powder over the entire model to reduce friction.
9. The genital unit may change shape over long-term use. Please check after about 3 years from purchase. If the changed shape affects the functioning of the model, please consider replacing the genital unit.
10. There may be air bubbles or patterns on the model created during manufacturing. It will not affect the strength of the model, as it is made from a material that is resistant to tearing.

11. The model may warp if stored in a very cold or very hot environment for an extended period of time. The materials may also deteriorate, warp, or discolor if exposed to direct sunlight or UV. Please store the product in an environment with a temperature of 0° C to 50° C, away from direct sunlight and UV.
12. Please wear disposable gloves during a practical.
13. Please beware that the ovarian cysts and the hydrosalpinx may rupture if pumped with too much air.
14. This product is intended for use in standard operating environments. Do not use it in heavy industrial settings.
15. This model uses urethane foam for some of its parts, and may be susceptible to damage from pests that are attracted to urethane foam (such as insects in the ant family). When storing this model, ensure that thorough measures are taken to prevent pest damage before storing. The company will not be involved with or held liable for pest damage that occurs during storage.
16. There may be some indentations on the bottom or sides (i.e. the surfaces that make contact with the main body) of the genital unit (see photograph below). However, they will not affect the product's quality or function. This is an unavoidable result of the characteristics of the material used on these surfaces.



1. The contents of this instruction manual are subject to change without notice.
2. This instruction manual may not be reproduced in part or in its entirety without permission.
3. Please contact the manufacturer in the event that any errors or omissions are found in the contents of this instruction manual.
4. This product should be used only as described in this instruction manual. In particular, the product should not be used in any way that contravenes the precautions noted in the instruction manual.

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# 1. Outline and characteristics

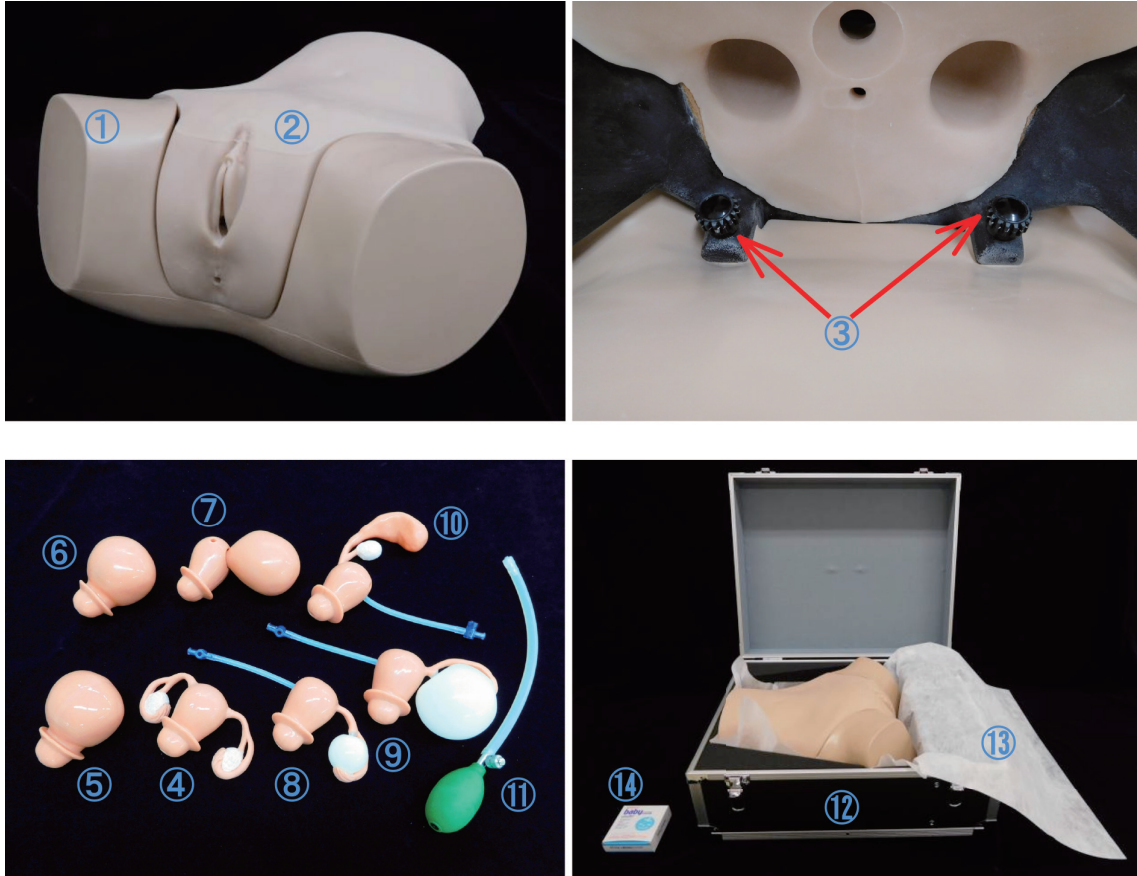
## Outline

This model enables practical training in basic gynecological examination. It is best suited for the education of doctors-in-training and medical students, including general practice.

## Characteristics

1. Soft, special material used for the external genital piece and abdominal piece impart a feel to the model during bimanual examination (internal and external examination) and rectal examination that closely resembles that of a living body.
2. All uteri are right-and-left adjustable, which enables the product to recreate realistic examination of conditions such as cervical motion tenderness.
3. Internal reproductive organs such as the uterus and ovaries have normal and abnormal states and the examination of their respective disease states (intramucosalis hysteromyoma, subserous myoma, ovarian cyst, hydrosalpinx, etc.) can be practiced by changing the uterus. The uterus can be changed easily.
4. The size of ovarian cysts and hydrosalpinx can be adjusted by pumping in air to achieve the size and texture that closely resembles a living body.
5. The product can be used for the practical training of vaginoscopy, probing, and cytology such as collection of intimal smears.
6. The genital unit can be detached easily for simple care and replacement.

## 2. Structure and components

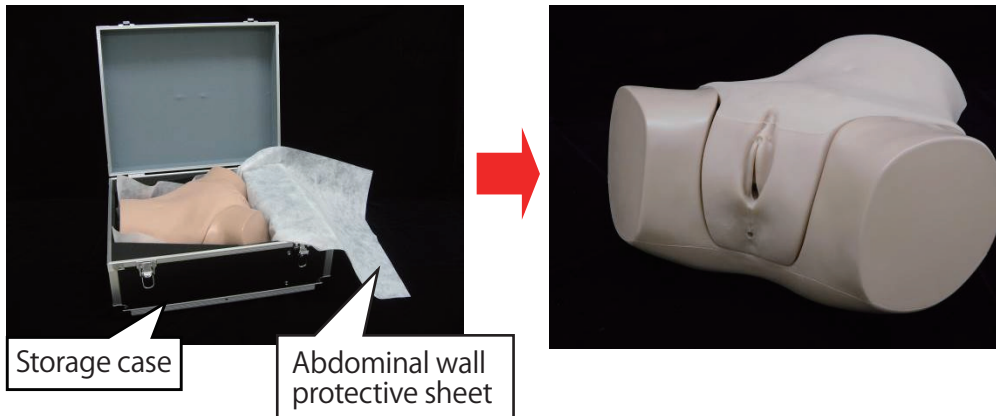


Component	Number of component
① Main body	1
② Genital unit	1
③ Fixing screw	2
④ Normal uterus	1
⑤ Early pregnancy uterus	1
⑥ Hysteromyoma 1 (in tunica muscularis)	1
⑦ Hysteromyoma 2 (under endometrium)	1
⑧ Ovarian cyst 1 (ping-pong ball size)	1
⑨ Ovarian cyst 2 (tennis ball size)	1
⑩ Hydrosalpinx	1
⑪ Air pump	1
⑫ Storage case	1
⑬ Abdominal wall protective sheet	1
⑭ Baby powder	1
Instruction Manual (this document)	1

### 3. Handling instructions

#### 3-1. Instructions for use

1. Remove the abdominal wall protective sheet from the storage case, and take out the main body.

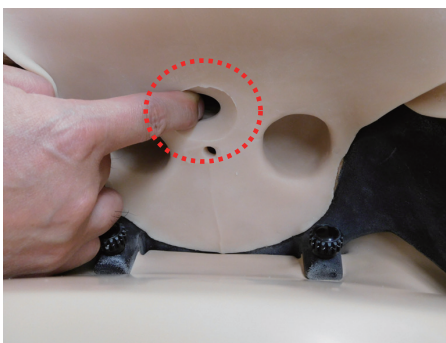


*\*If the genital unit feels sticky, apply the enclosed baby powder over the entire surface.*

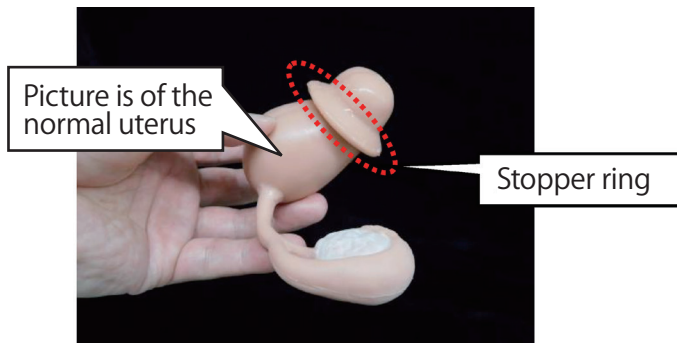
2. Peel open the abdominal wall



3. Apply glycerin to the hole for attaching the uterus



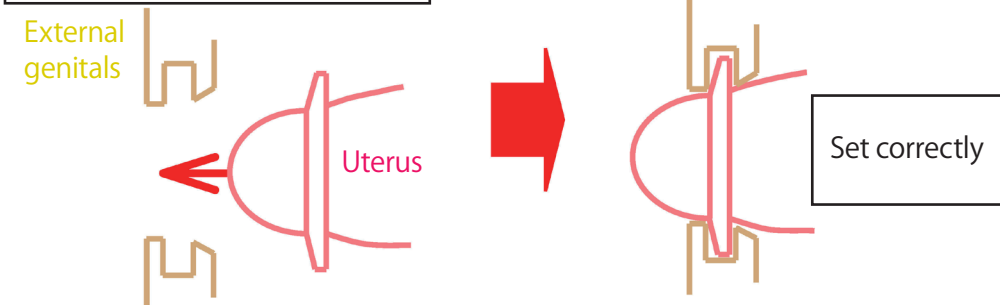
4. Apply glycerin to the stopper ring on the uterus



5. Insert the uterus into the hole for attaching the uterus.



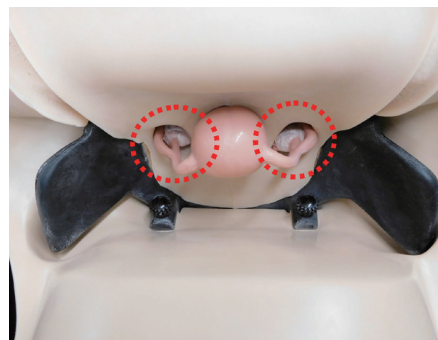
Cross section of the insertion site



\*On the inside of the hole for attaching the uterus is a groove into which the stopper ring will fit. Insert the uterus so that the stopper ring fits into this groove.

Insert the ovaries of the normal uterus into their respective compartments as shown in the photograph.

\*When practicing with a diseased uterus, use without inserting the ovaries into their compartments.





6. Cover the main body with the abdominal wall and secure it with the hook and loop fasteners.



\*If the abdominal wall around the ilium is not aligned properly, adjust to align it.

7. When removing the uterus, pull it out of the hole for attaching the uterus.



○ Do this also when changing to another uterus.

### 3-2 Adjustment of ovarian cysts and hydrosalpinx

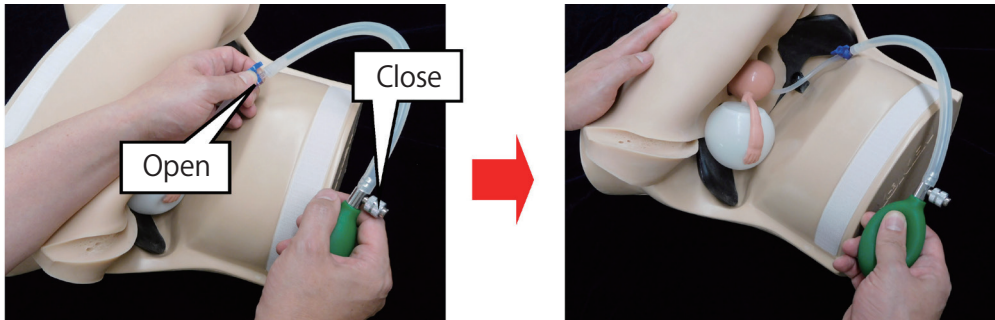
○ The size of the ovarian cysts and the hydrosalpinx can be adjusted by injecting air with the air pump.

1. Insert the ovarian cyst or hydrosalpinx uterus into the hole for attaching the uterus, and attach the air pump connector to the straight stopcock.



The straight stopcock is combined with a luer-lock style connector. Attach and turn to connect the air pump.

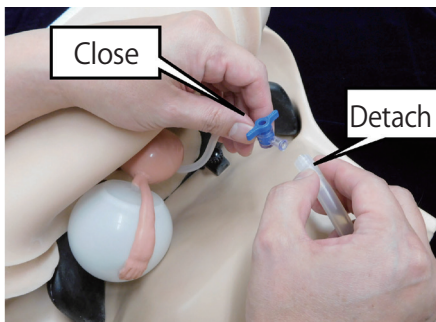
2. Open the handle on the straight stopcock and close the air pump valve before pumping in air.



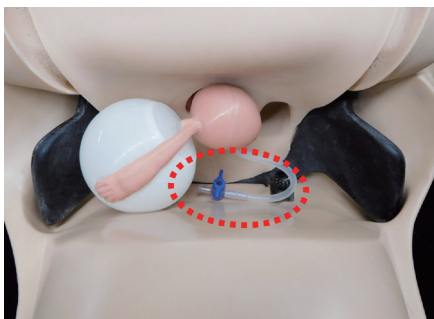
\*If you want to reduce the amount of air, loosen the air pump valve to release the air.

\*Beware that pumping in too much air may cause the uterus to rupture.

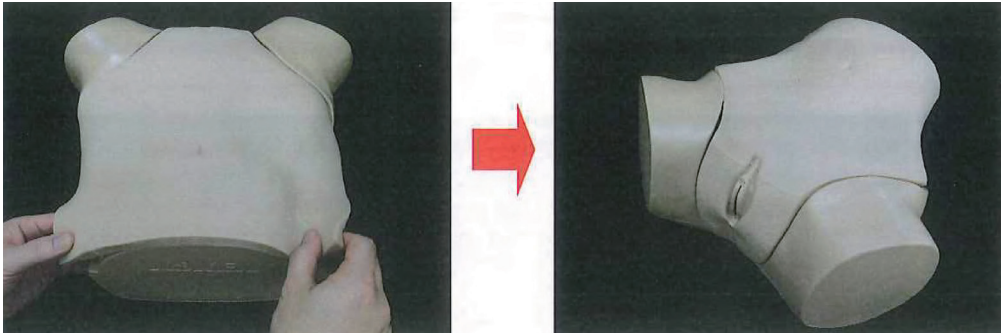
3. Once the amount of air has been adjusted, close the handle on the straight stopcock and detach the air pump connector.



4. Lay the straight stopcock on the underside of the uterus so it does not get in the way of the examination.



5. Cover the main body with the abdominal wall, and secure it with the hook and loop fasteners.



### 3-3 Possible examinations and procedures

○ The product is designed to accommodate practice of the following procedures. In addition, the uterus may be changed to recreate the conditions of a normal uterus or uteri of various abnormal states.



Internal examination



Bimanual examination



Rectal examination



Vaginoscopy



Probing

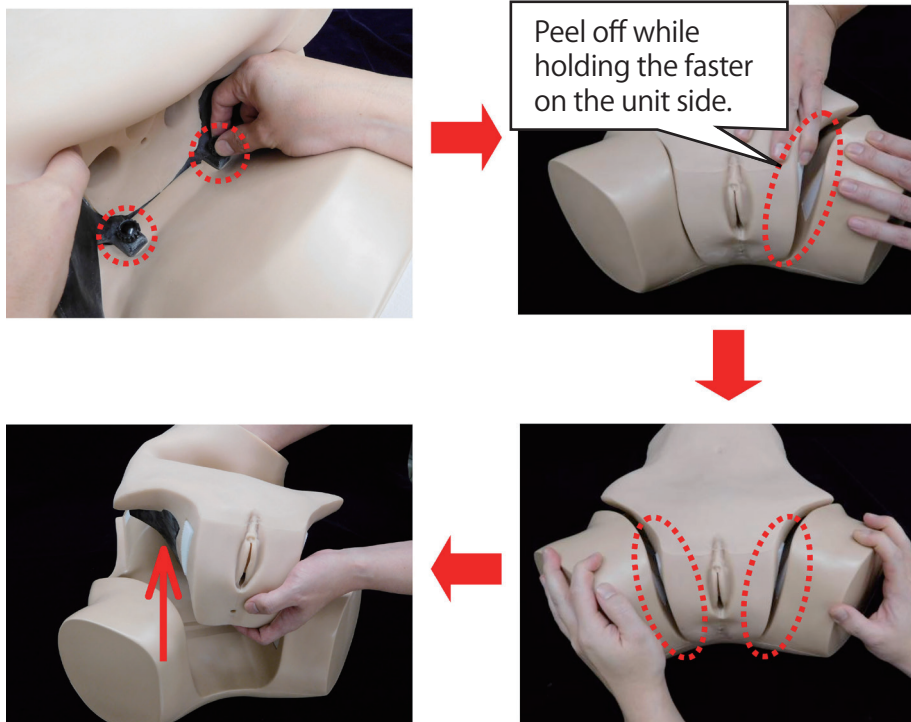


Collection of intimal smears

\*Before a practical, apply glycerin to the genitals, vaginal cavity and rectum of the model before use. If using an endoscope for vaginoscopy, apply glycerin to the endoscope before use as well.

### 3-4 Removal of the genital unit

- The genital unit is removable. To care for or replace the unit (for instance, if the genital part has split), unscrew the fixing screws (in 2 locations) and unfasten the hook and loop fasteners around the leg (in 2 locations) to remove it.



- Perform these procedures in reverse to assemble.

## 4. Care instructions

1. After use, wipe off dirt and the glycerin applied during the practical. Use water or neutral detergent diluted with water, and wipe with a wet cloth or gauze. Wipe off the moisture with a dry, soft cloth such as gauze, and apply baby powder over the entire model.

\*Never use organic solvents such as disinfecting alcohol, paint thinners, or benzenes to clean this product.

\*If left on, moisture and glycerin can cause mold. Please wipe them off thoroughly.

2. This model can warp if stored for an extended period of time in a very cold or very hot environment. The materials may also deteriorate, warp, or discolor if exposed to direct sunlight or UV. When storing this product, store the model in an environment with a temperature of 0° C to 50° C, away from direct sunlight and UV.
3. This model may release oil residues. When storing this product, wrap the model in the attached abdominal wall protective sheet and store in the storage case.
4. The uterus models can be rinsed in water. After rinsing in water, wipe off the moisture thoroughly with a dry, soft cloth such as gauze.

## 5. Specification

Product	Length	Width	Height	Weight
Gynecological Examination Simulator Main body	Approx. 39cm	Approx. 41cm	Approx. 19cm	Approx. 4.7kg
Storage case	Approx. 47cm	Approx. 54cm	Approx. 26cm	Approx. 5kg