⚠ Attention | Do not let ink from pens, newspapers, this manual or other sources come in contact with the manikin, as they cannot be cleaned the manikin skin.

MW2B

Female Catheterization/Enema Simulator

Instruction Manual

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KYOTO KAGAKU co.,LTD

Introduction

Manufacturer's note

This Female Catheterization/Enema Simulator has been developed for the training of medical and nursing professionals only. Any other use, or any use not in accordance with the enclosed instructions, is strongly discouraged. The manufacturer cannot be held responsible for any accident or damage resulting from such use. Please use this model carefully and refrain from subjecting to any unnecessary stress or wear. Should you have any questions on this simulator, please feel free to contact our distributor in your area or KYOTO KAGAKU at any time. (Our contact address is on the back cover of this manual)

● Features

- Basic high quality training in male and female: urethral catheterization, perineal care and enema.
- Form of genitalia, urethra, and bladder are anatomically correct.
- Successful insertion is confirmed by urine (water) outflow.
- Organ unit can be used separately, allowing training with SPs or full body manikins in clinical setting.

⚠ DOs and DON'Ts

DOs

- Handle the manikin and the components with care.
- Storage in a dark, cool space will help prevend the skin colours from fading.
- The manikin skin may be cleaned with a wet cloth, if neccessary, using mildly soapy water or diluted detergent.

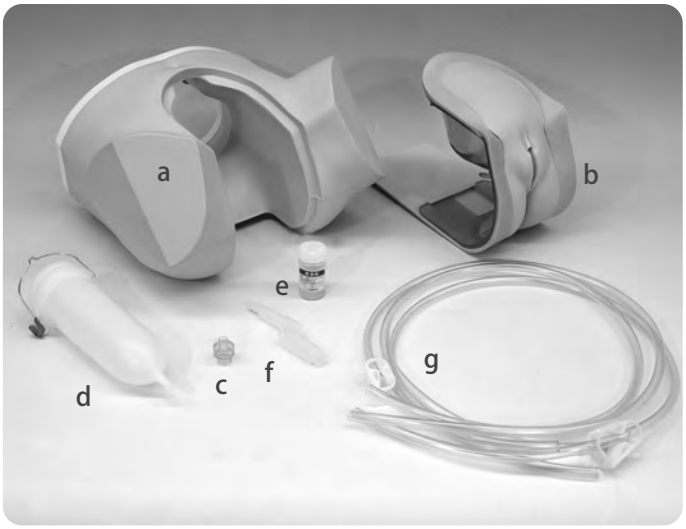
DON'Ts

- Do not let ink from pens, newspapers, this manual or other sources come in contact with the manikin, as they cannot be cleaned off the manikin skin.
- Never use organic solvent like paint thinner to clean the skin, as this will dameage the simulator.

Please read carefully before use

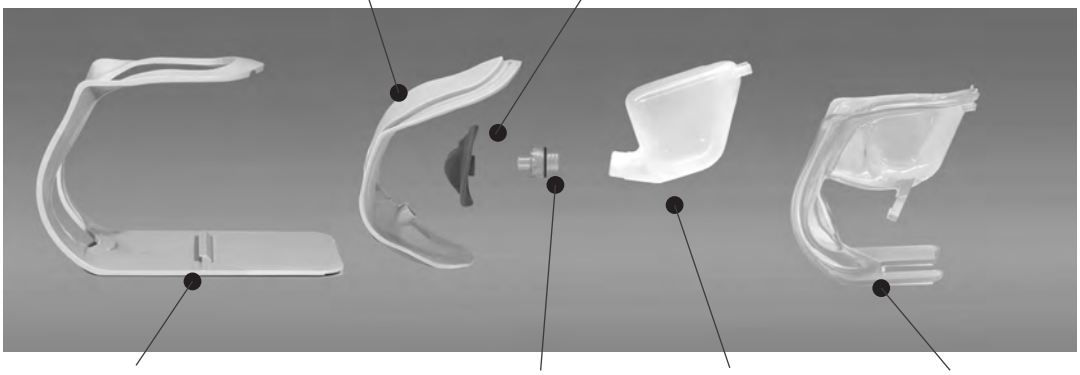
Set Includes

Before your first use, ensure that you have all components listed below.



a. Lower torso manikin ····· 1 peace
b. Female genitalia organ unit ····· 1 peace
c. Valve ····· 3 peace
(total 3 pcs; one is incorporated in the genitalia unit and two are for future replacement)
d. Irrigation bottle ····· 1 peace
e. Lubricant ····· 1 peace
f. Rectum unit ····· 1 peace
g. Irrigation/drainage tubes ····· 3 peace
(total 3 pcs; 2 are attached with a clamp)
Guide book

Genitalia organ unit



Consumable parts

code	name
11381-300	replacement valve for MW2A/B (a set of 6)
11381-600	replacement female skin
11381-700	replacement female meatus (a set of 2)


11381-300

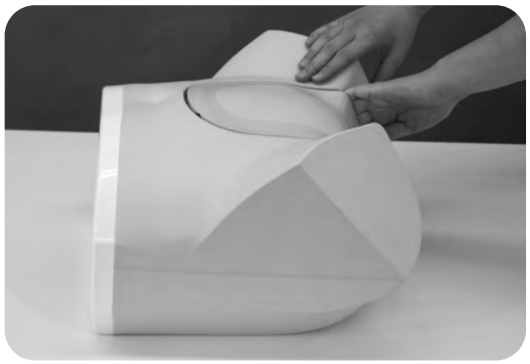
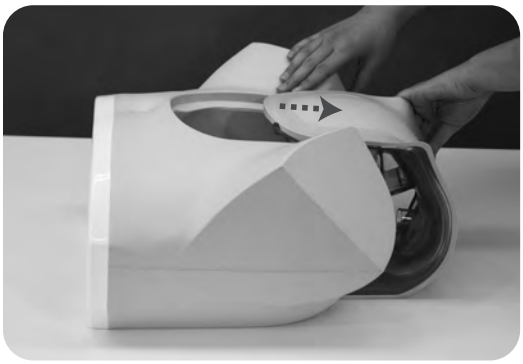

11381-700


11381-600

1 Disassemble the unit

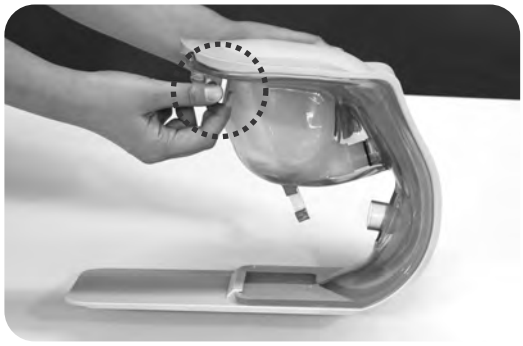
1.Remove the genitalia unit from the torso manikin.

Make room between torso manikin and the genitalia unit by opening the thighs. Then take out the genitalia unit from the torso manikin.

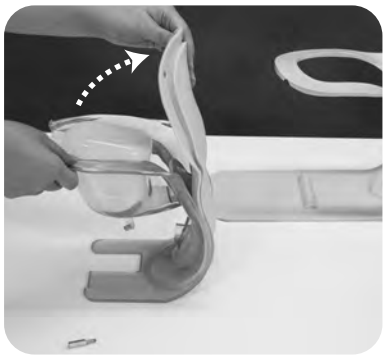
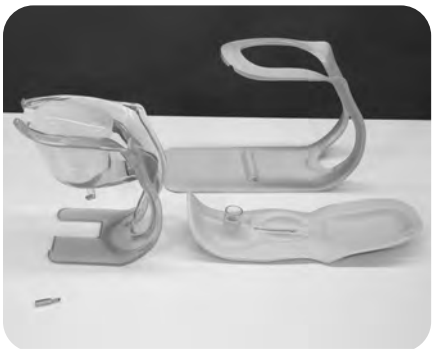
2.Disassemble the genital unit.

a) Unscrew the genital unit.



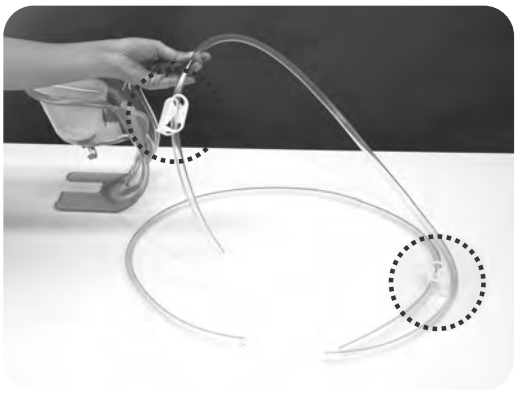
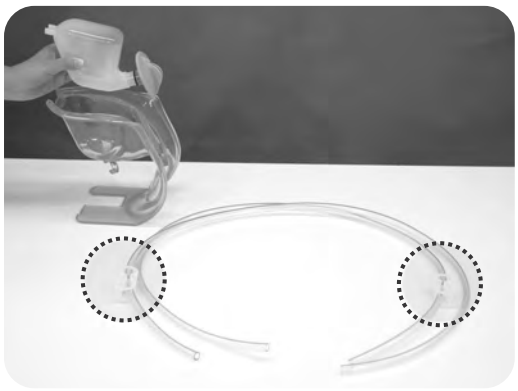
b) Remove the skin with the bladder holder from the outer frame.


c) Peel the skin from the bladder holder.

2 Connection of Irrigation/drainage tubes

1.Attach the irrigation/drainage tube with clamp to the connectors at the upper end of the reservoir.

As the photos below, one of the tubes is for irrigation-place the clamp near far end of the tube. The other tube is for drainage-place the clamp around 20-30 cm from the bladder. Then set the bladder reservoir into the bladder holder.



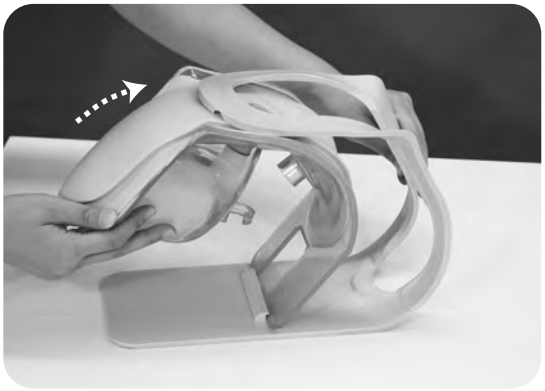
3 Reassemble the genitalia units

1.Attach the skin on the bladder holder along the slit. Take out the inner lips to be seen the female meatus.


3 Reassemble the genitalia units

2.Set the bladder holder to the genital organ frame.

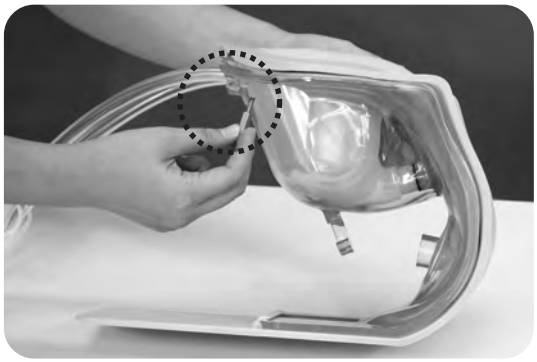
a) Set the downward of bladder holder to the stopper of the frame and push the holder forward



b) Fit the upper side of skin to the genital unit by pulling the skin.

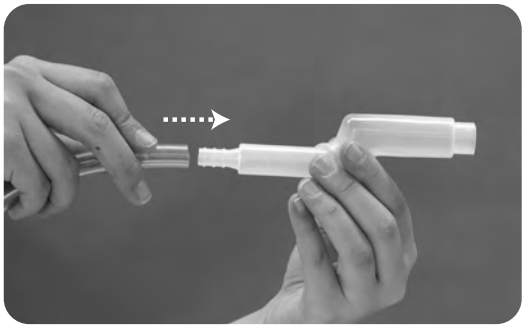
c) Ensure no gap between the frame and the skin.

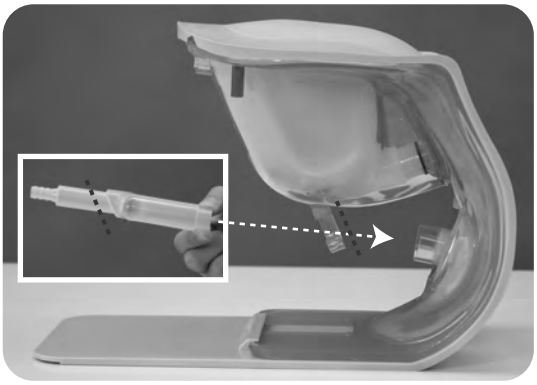
d) Fix the frame and the holder by screwing.



3.Training for enema

Connect the drain tube to rectum unit.





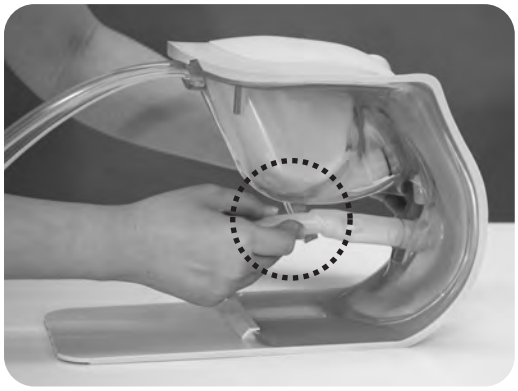
⚠ Caution

Set the rectum unit with correct angle as picture above.

4 Set the genitalia units to the lower torso body

1.Connect the rectum unit. (For enema training)

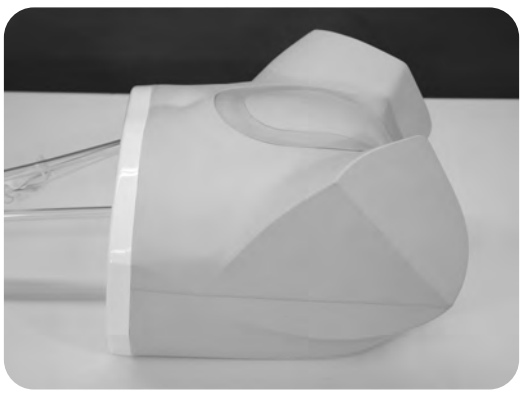
Set the rectum unit to the hole of the genitalia unit. Then set it on the hook.



2.Set the genitalia units to the lower torso body.

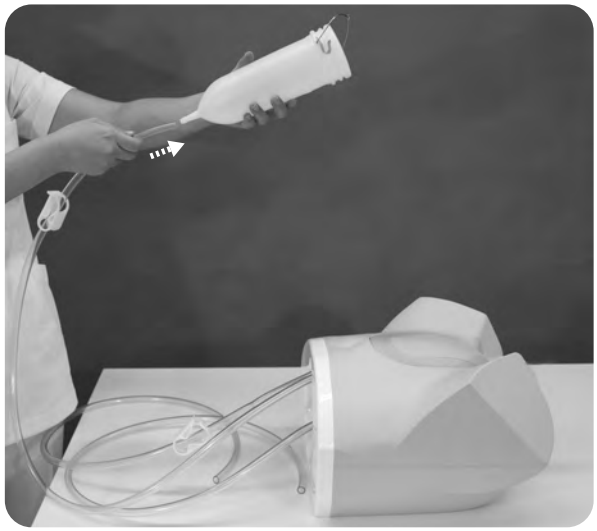
First put through the 3 irrigation/drainage tube the body and then set the genitalia unit.

3. Completed the assembly.



5 Connect the Irrigation bottle and fill the bladder with water

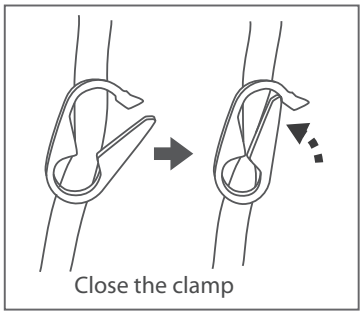
1.Connect the irrigation bottle to the irrigation tube which has clamp at near the end side.



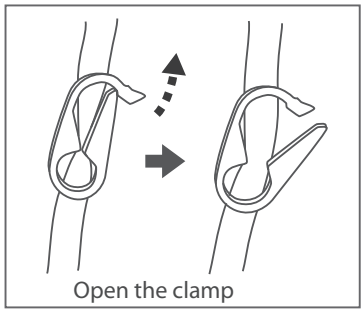
2.Put the tip of drainage tubes for catheterization and enema into the bucket.

3.Close the clamp of irrigation tube before filling the bottle with water. And open the clamp of the drainage tube.

Irrigation tube



Drainage tube

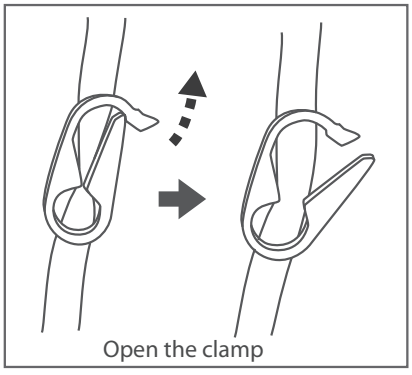


5 Connect the Irrigation bottle and fill the bladder with water

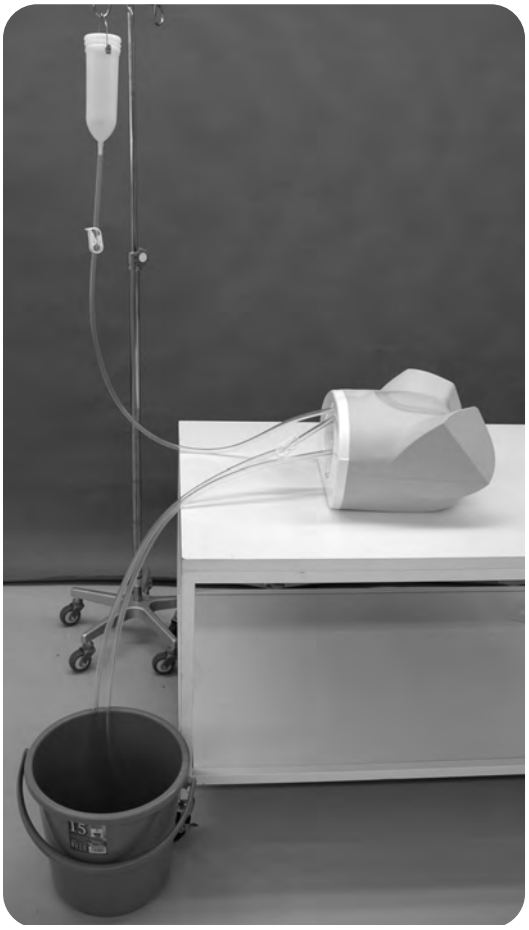
4.Fill the irrigation bottle with simulated urine (water). Then put the cap on the bottle and hang it from the stand.

5.Open the clamp and the simulated urine will be charged into the bladder reservoir.

Irrigation tube



6.Ready.



Training session

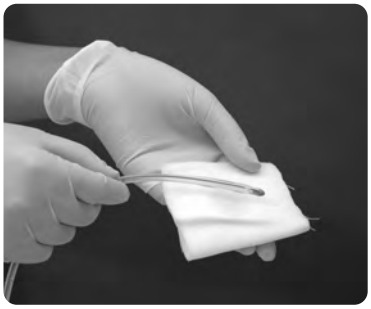
1 Training procedure

1.Sterilizing of meatus urethra.

Use water instead of actual antiseptic available for training of sterilizing of meatus urethra.

2. Inserting the catheter

Use plenty amount of attached lubricant to the catheters to prevent from breakage of the valves.
Do not use jelly type lubricant or other items so that it will be left inside of the model and dried out.



⚠ Caution

Use 14-16Fr catheter for this model. Using larger catheter causes breakage of the valve.

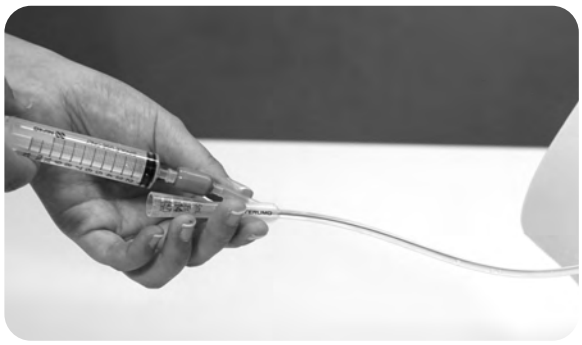
Simulated urine will be discharged when the catheter is inserted about 5cm. Before inflating the balloon, insert 2cm further from the point that first urine discharge is observed.

⚠ Caution

Do not insert the catheter much longer than it is needed. The valves will be worn shortly.

2. Removing the catheter

Discharge the water in the balloon before removing the catheter. It may cause breakage of the valve.



For continued training

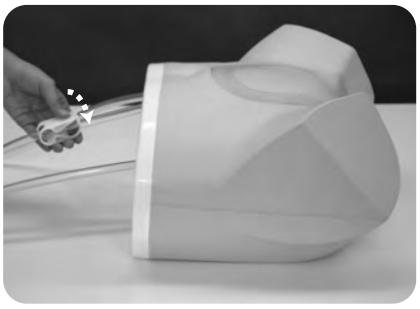
Add the water to the irrigation bottle for each session. Open the clamp of the irrigation bottle and fill it with water until the water come out from the drainage tube.

Training session

2 Manual bladder compression

Close the clamps on the irrigation tube and drainage tube for manual bladder compression session.

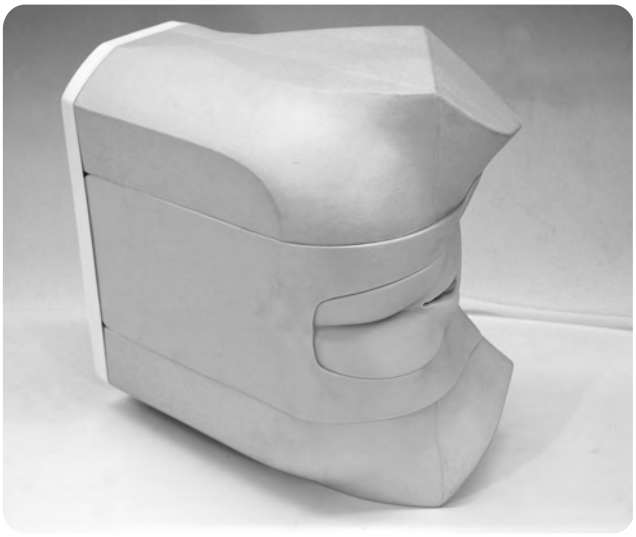
The clamp of the irrigation tube



The clamp of the drainage tube

3 Training for enema

Do the training with left lateral position.



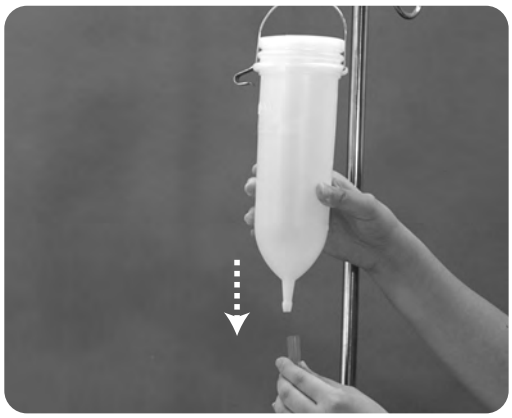
⚠ Caution

Use plenty amount of attached lubricant for the training. Shortage of the lubricant may cause the difficulty of the proper training.
Enema tube cannot be inserted more than 7cm like real situation.

After the training

1 Drainage of water

1.Close the clamp of the irrigation tube. Drain the water in the irrigation bottle and tube when the water remains in it.



2.Remove the genitalia unit from the torso body.

Make room between torso manikin and the genitalia unit by opening the thighs. Then take out the genitalia unit from the torso manikin.

3. Detach the tube for enema training.

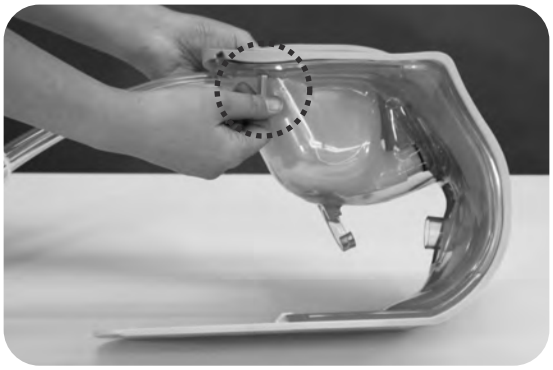
Remove from the hook of the bladder reservoir then detach from the unit with drainage tube. Wash the rectum unit and dried naturally, after the training sessions.

After the training

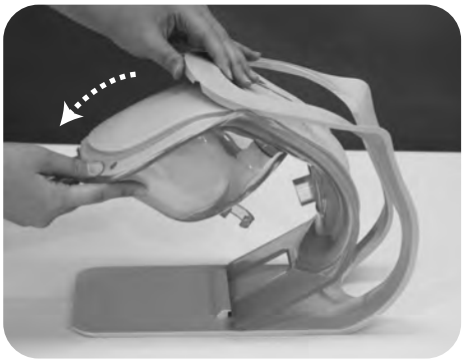
2 Drainage of water in the bladder reservoir

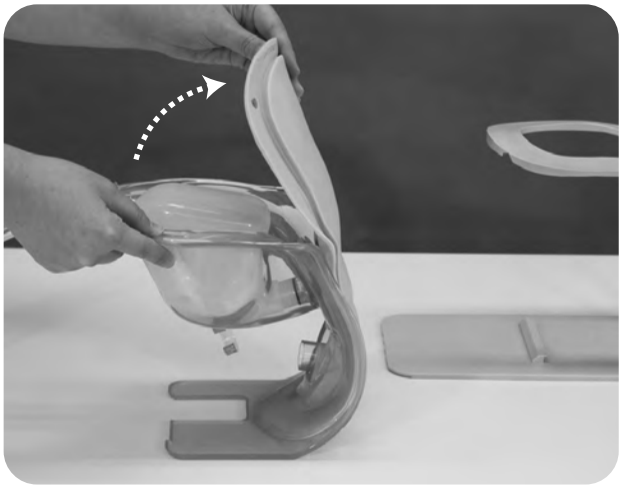
1.Reassemble the genitalia unit.

a) Unscrew the genital unit.



b) Remove the skin with the bladder holder from the outer frame. Then peel the skin from the bladder holder.





2. Remove the bladder reservoir from the bladder holder. Detach the irrigation and drainage tubes. Then detach the female meatus from the valve and finally unscrew the valve.
Then drain the water in the reservoir.
Wipe it off gently to remove the oil and fluid and let it dried naturally.

⚠ Caution

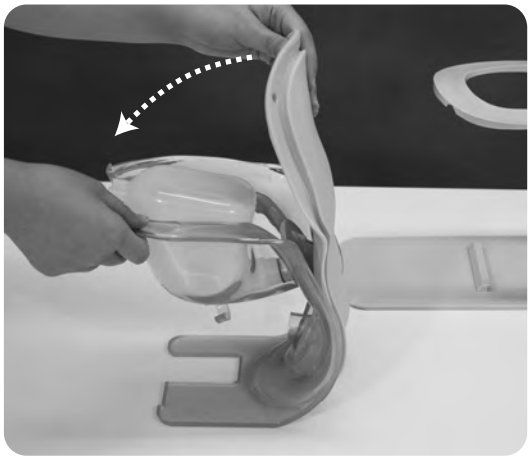
Do this procedure where can be drain the water like sinks.

After the training

3 Assembly for keeping the unit

1. Screw the valve to the bladder and attach the meatus urethra.

2. Set the bladder in the bladder holder. Attach the skin on the bladder holder along the slit.
   Take out the inner lips to be seen the female meatus.



⚠ Caution

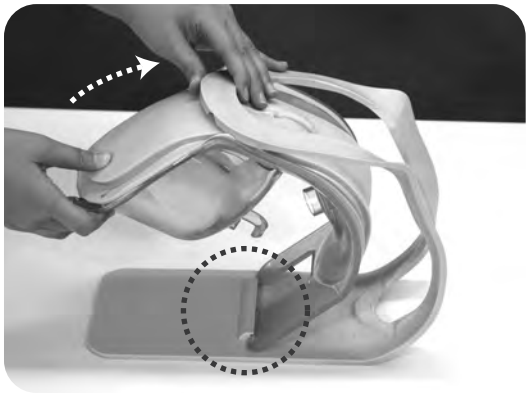
Replace the worn parts into the new ones at this moment.

After the training

3 Assembly for keeping the unit

3. Set the bladder holder to the genital organ frame.

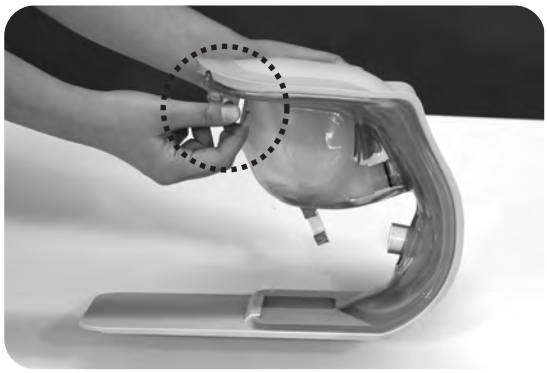
a) Set the downward of bladder holder to the stopper of the frame and push the holder forward



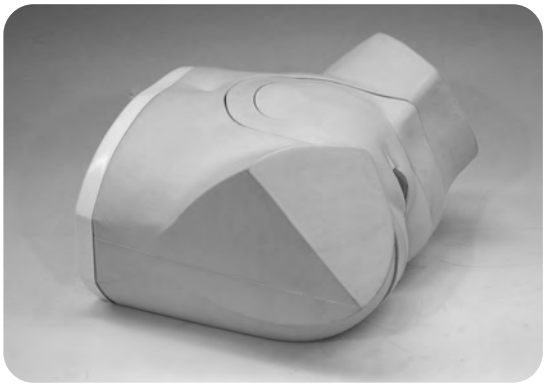
b) Fit the upper side of skin to the genital unit by pulling the skin.

c) Ensure no gap between the frame and the skin.

d) Fix the frame and the holder by screwing.



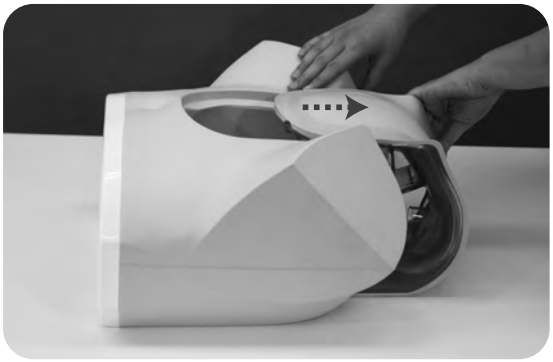
4. Set the genitalia unit to the lower torso model.



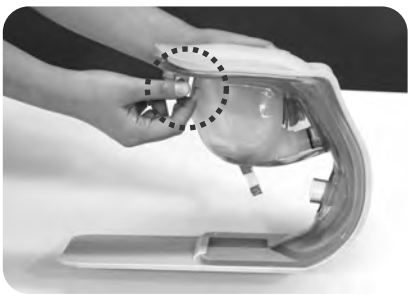
Replacement of consumable parts

1 Disassemble the unit

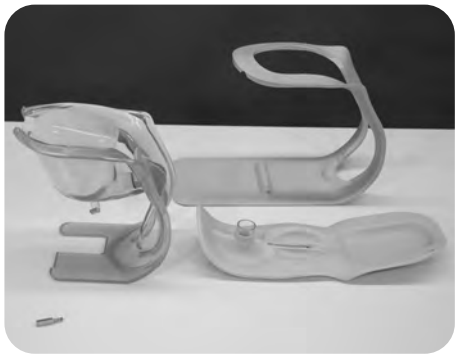
1. Remove the genitalia unit from the torso manikin.
   Make room between torso manikin and the genitalia unit by opening the thighs. Then take out the genitalia unit from the torso manikin.

2. Disassemble the genital unit.
   a) Unscrew the genital unit.
   b) Remove the skin with the bladder holder from the outer frame.



   c) Peel the skin from the bladder holder.

⚠ Caution

Replace the genitalia skin at this moment and assemble the part as P17-18 shows.

Replacement of consumable parts

1 Disassemble the unit

3.Remove the bladder reservoir from the bladder holder. Detach the meatus urethra from the valve.

⚠ Caution

Replace the meatus urethra at this moment.

4. Unscrew the valve from the bladder reservoir.

2 Replacement of the valve

1. Replace the valve and screw it to the bladder reservoir.

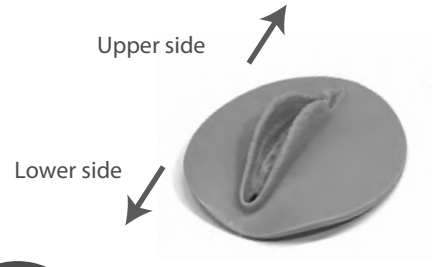
⚠ Caution

Be aware that rubber seal is set on the valve, and then screw it to the bladder reservoir.

Replacement of consumable parts

3 Replacement of the skin and meatus urethra

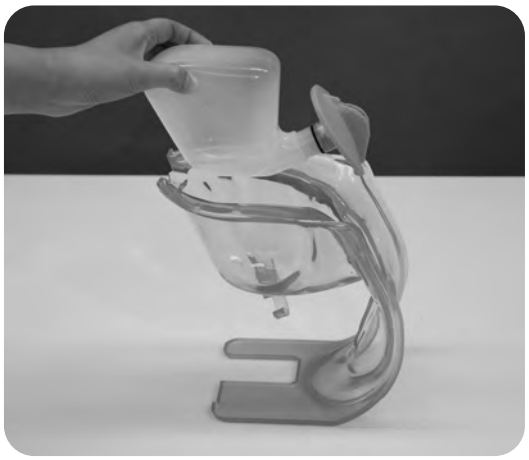
1. Set the new meatus urethra part to the valve.

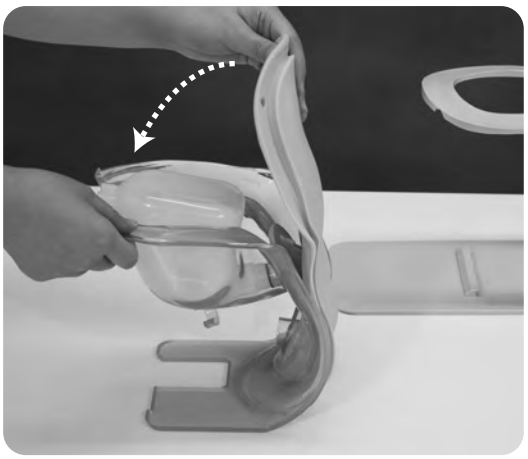


⚠ Caution

Attach the meatus urethra proper direction.

2. Set the bladder in the bladder holder. Attach the skin on the bladder holder along the slit. Take out the inner lips to be seen the female meatus.



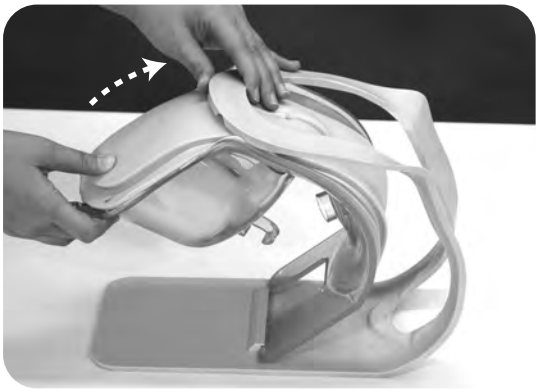


Replacement of consumable parts

4 Assembly

1. Set the bladder holder to the genital organ frame.

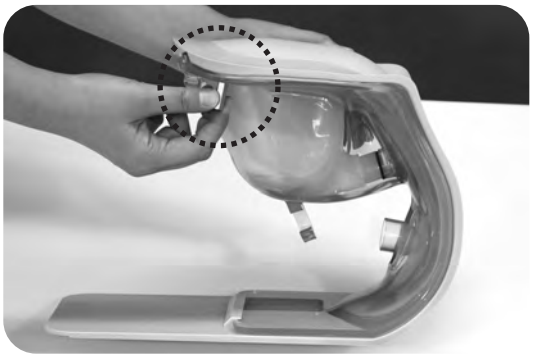
a) Set the downward of bladder holder to the stopper of the frame and push the holder forward.



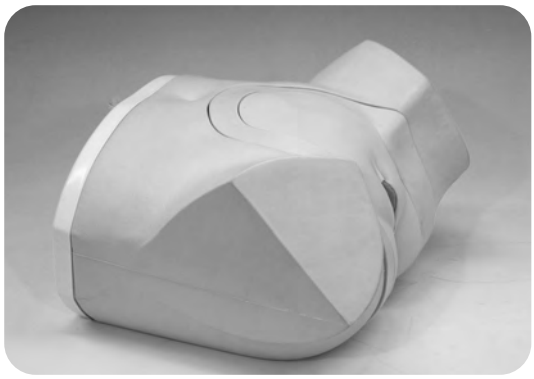
b) Fit the upper side of skin to the genital unit by pulling the skin.

c) Ensure no gap between the frame and the skin.

d) Fix the frame and the holder by screwing.



2. Set the genitalia unit to the lower torso model.



⚠ Caution

Use the proper size catheter. Using larger catheter causes breakage of the valve.

⚠ Caution Do not let ink from pens, newspapers, this manual or other sources come in contact with the manikin, as they cannot be cleaned the manikin skin.

For inquiries and service, please contact your distributor or KYOTO KAGAKU CO., LTD.

FAQ s

Quick check them up before calling the customer service. Use the table if you have problems using the simulator.
Look in this section for a description of the problem to find a possible solution.

Catheterization training

Cases	Reason	Solution
Water leakage	The valve is worn.	Replace it to the new valve
	Loose connection of the valve and bladder reservoir or meatus urethra.	Confirm the connection of the valve and bladder or meatus urethra, reconnect it tightly.
Water does not come out though the catheter is inserted.	There is no water in the bladder reservoir.	Fill water into the bladder reservoir by using irrigation bottle.
	Clamps of the irrigation and drainage tubes are closed.	Open the both clamps of irrigation and drainage tubes.

Enema Training

Cases	Reason	Solution
Glycerin enema tube can be inserted more than 7cm.	Connection of the gentalia organ unit and rectum unit is not correct.	Confirm the connection of the genitalia organ unit and rectum unit. Then set them steadiiy.

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JAB QMS CMO17

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