

⚠ 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.

MW2A

Male Catheterization/Enema Simulator

Instruction Manual



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Manufacturer's note

This male 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 prevent the skin colours from fading.
- The manikin skin may be cleaned with a wet cloth, if necessary, using mildly soapy water or diluted detergent.

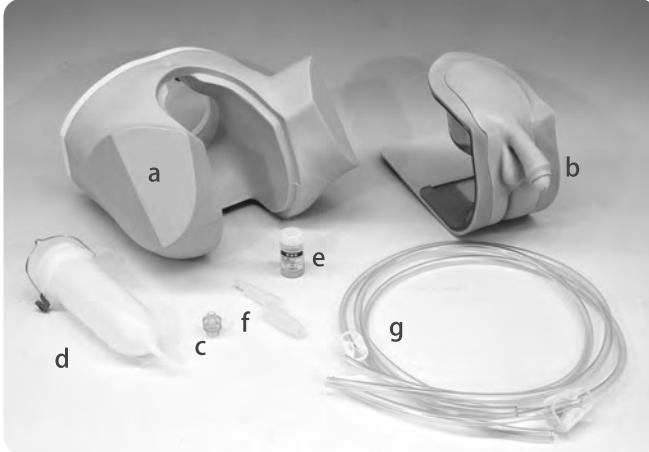
DON'Ts

- 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 damage the simulator.

Set Includes

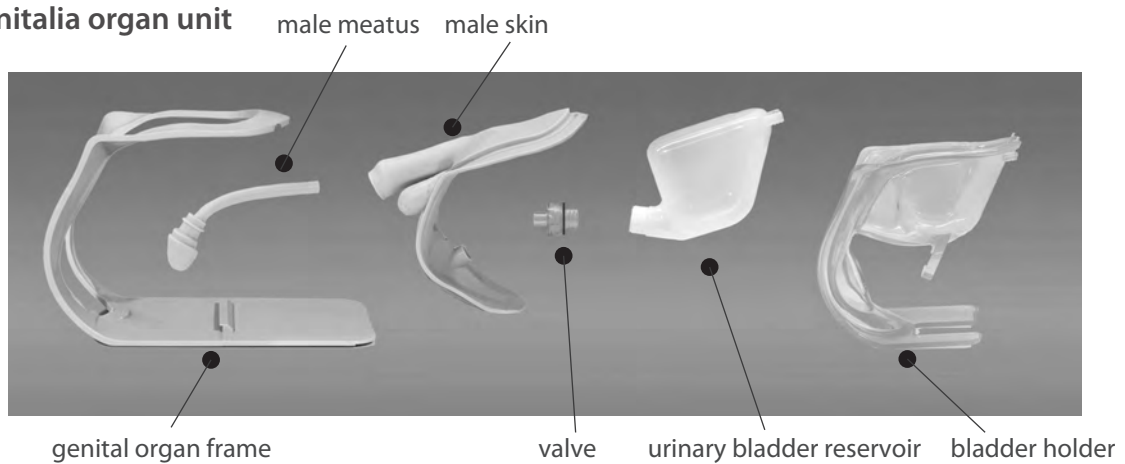
Please read carefully before use

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



- a. Lower torso manikin 1 piece
 - b. Male genitalia organ unit 1 piece
 - c. Valve 3 piece
(total 3 pcs; one is incorporated in the genitalia organ unit and two are for future replacement)
 - d. Irrigation bottle 1 piece
 - e. Lubricant 1 piece
 - f. Rectum unit 1 piece
 - g. Irrigation/drainage tubes 3 piece
(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)
11381-400	replacement male skin
11381-500	replacement male meatus (a set of 2)



11381-300



11381-500

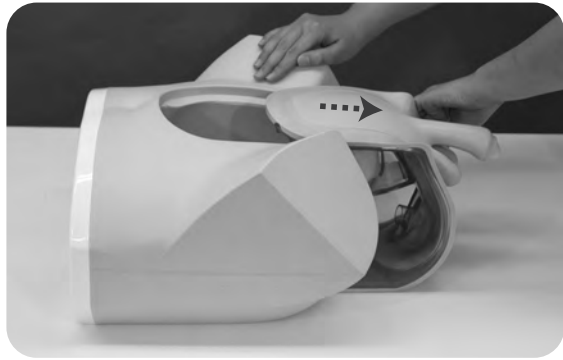


11381-400

1 Disassemble the unit

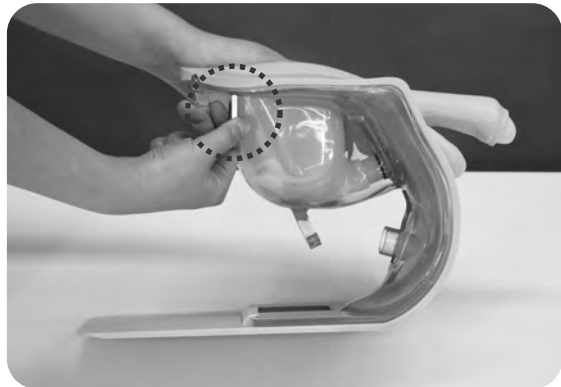
1.Remove the genitalia unit from the torso manikin.

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



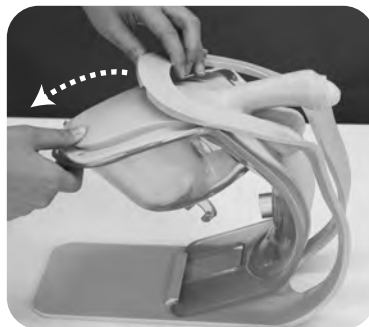
2.Disassemble the genital unit.

a) Unscrew the genital unit.

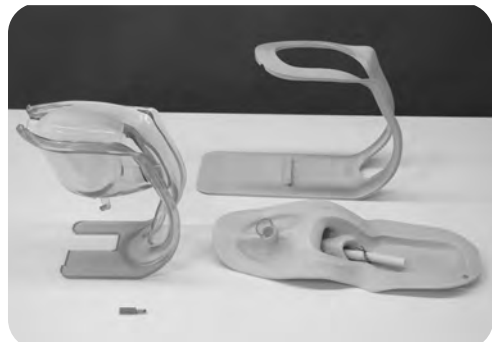


b) Remove the skin with the bladder holder from the outer frame.

c) Peel the skin from the bladder holder.

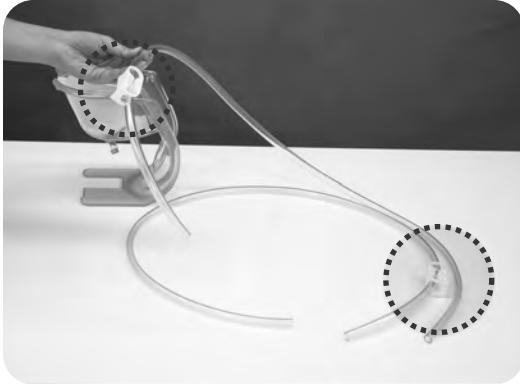


d) Find the clip that holds the joint between the valve and the urethral tube. Loosen the clip by tucking small wings together with fingers and pull out the urethral tube carefully.



2 Connection of Irrigation/drainage tubes

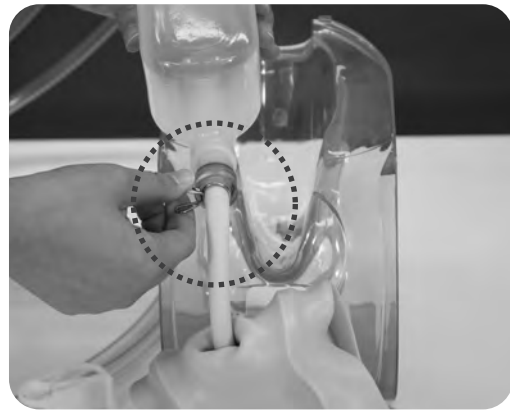
1. Attach the irrigation/drainage tube with clamp to the connectors at the upper end of the reservoir.



As the photos above, one of the tubes is for irrigation-place and its clamp is near the 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.



2. After setting the tube, attach the urethral tube to the valve. Then insert the urethral tube into the valve, and hold the clip by tucking small wings together with fingers to prevent the urethral tube from falling out of the valve and install the urethral tube well.



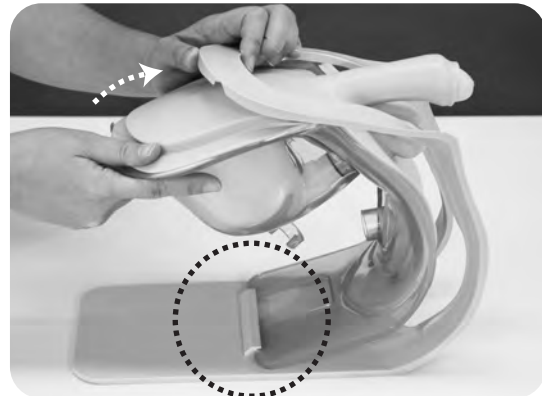
3 Reassemble the genitalia units

1. Attach the skin on the bladder holder and set the bladder holder to the genital organ frame.

a) After insert the urethral tube to the valve, attach the skin on the bladder holder along the slit.



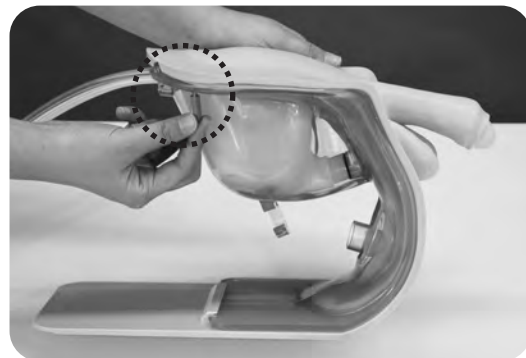
b) Set the downward of bladder holder to the stopper of the frame and push the holder forward.



c) Fit the upper side of skin to the genital unit by pulling the skin, and ensure no gap between the frame and the skin.

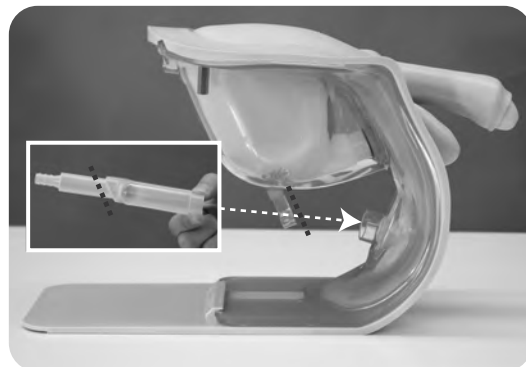



d) Fix the frame and the holder by screwing.



3. Training for enema

Connect the drain tube to rectum unit.



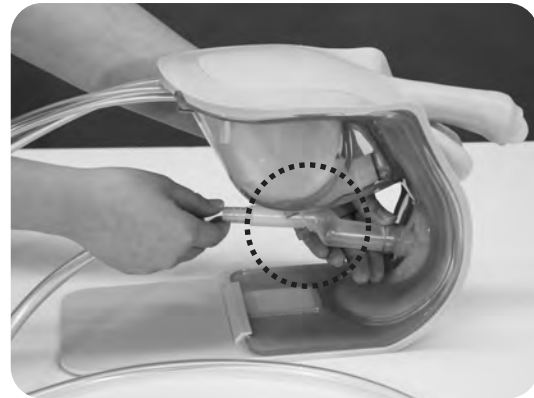
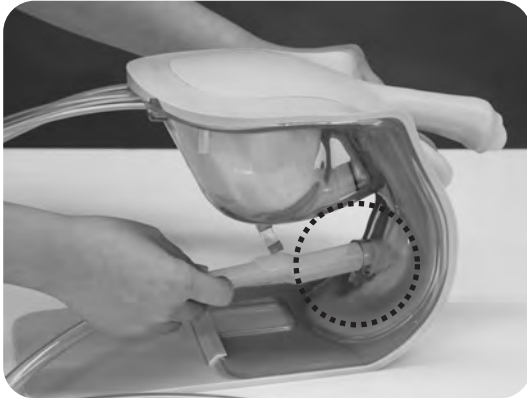
 Caution

..... Set the rectum unit with correct angle as picture above.

4 Set the genitalia units to the lower torso body

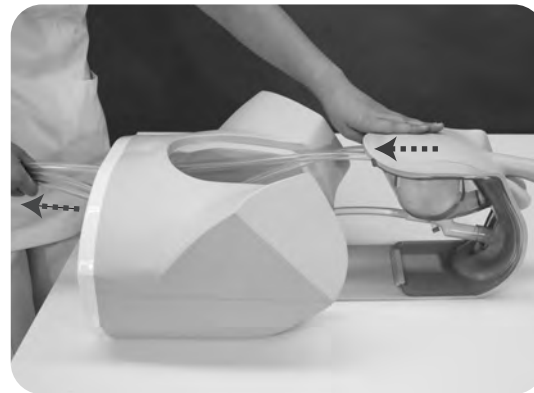
1. Connect the rectum unit. (For enema training)

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

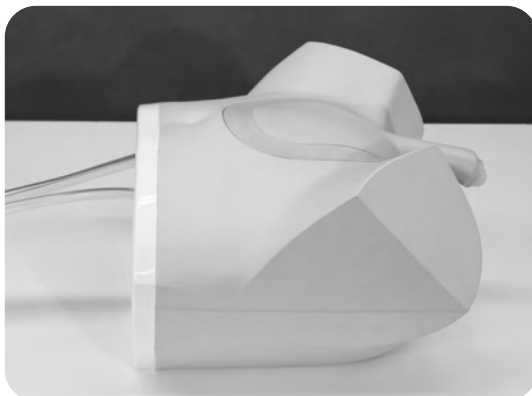


2. Set the genitalia units to the lower torso body.

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



3. Completed the assembly.

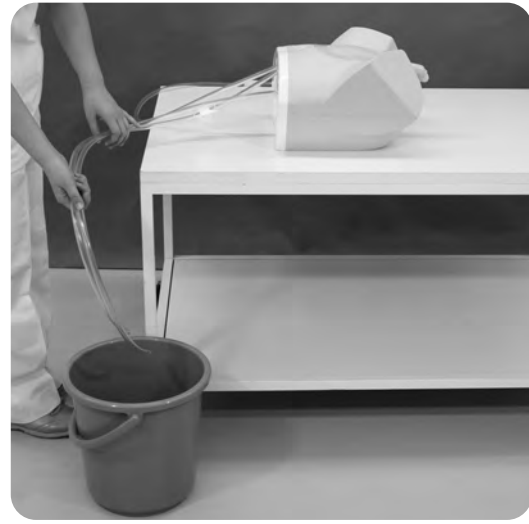


5 Connect the Irrigation bottle and fill the bladder with water

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

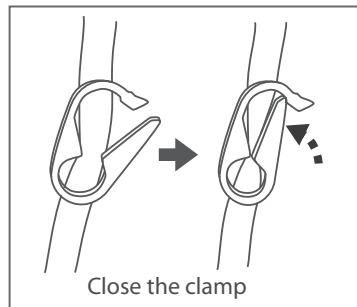


2. Put the tip of drainage tubes for catheterization and enema into the bucket.

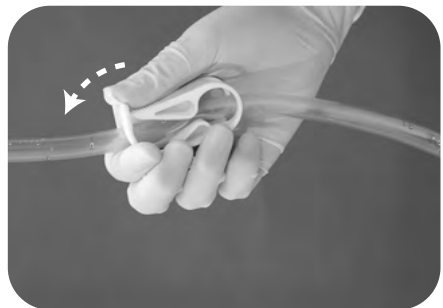
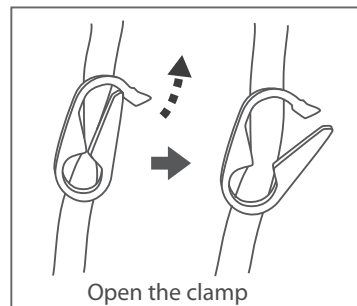


3. Close the clamp of irrigation tube before filling the bottle with water. And open the clamp of the drainage tube.

Irrigation tube



Drainage tube



5 Connect the Irrigation bottle and fill the bladder with water

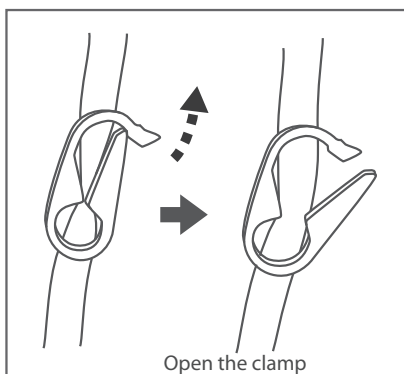
4.Fill the irrigation bottle with simulated urine (water). Then put the cap on the bottle and hang it from the stand.



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



Irrigation tube



6.Ready.



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

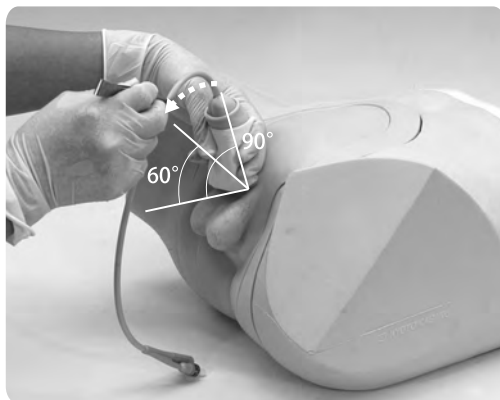
Use plenty amount of attached lubricant to the catheters to prevent from breakage of the valves.
Do not use jelly type lubricant or other items so that it will be left inside of the model and dried out.



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

- ① The 16Fr catheter are recommend for this model.
Do not insert the catheter much longer than it is needed.
The valves will be worn shortly.

- ② Insert the catheter 15cm from meatus urethra with holding the penis at about 90 degrees. Then lower it at about 60 degrees and insert additionally.
Simulated urine will be discharged when the catheter is inserted about 23cm. Before inflating the balloon, insert 2cm further from the point that first urine discharge is observed.



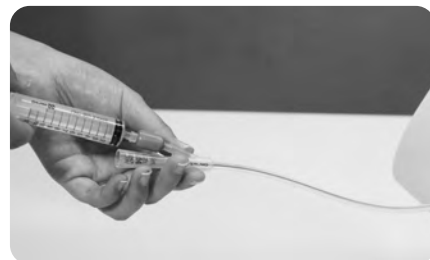
- ③ Surgical tape can be used for training of catheter retained in the bladder.



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Do not leave the tapes on the model for long time so that its surface will be sticky with adhesive of tapes.

3. 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.

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

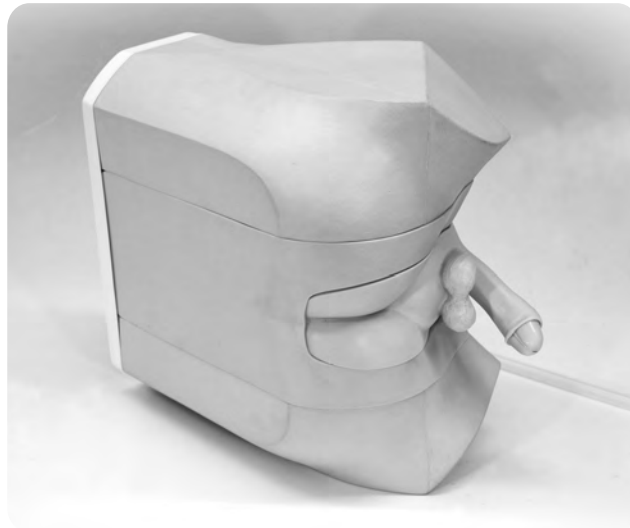


The clamp of the drainage tube



3 Training for enema

Do the training with left lateral position.



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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.

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.



2 Drainage of water in the bladder reservoir

1. Reassemble the genitalia unit.

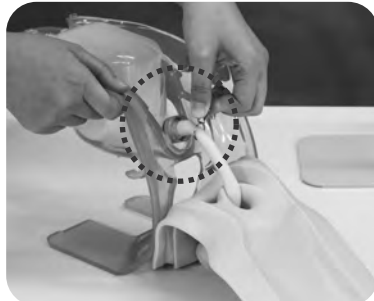
a) Unscrew the genital unit.



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



c) Find the clip that holds the joint between the valve and the urethral tube. Loosen the clip by tucking small wings together with fingers and pull out the urethral tube carefully.



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.

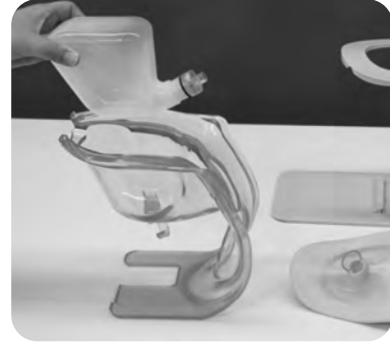


Caution

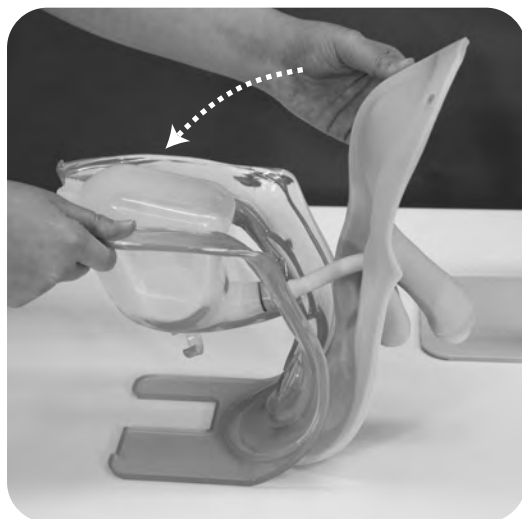
Do this procedure where can be drain the water like sinks.

3 Assembly for keeping the unit

1. Screw the valve to the bladder and set the bladder in the bladder holder.



2. Then insert the urethral tube to the valve, and hold the clip by tucking small wings together with fingers for do not fall out the urethral tube from the valve and install the urethral tube well, and attach the skin on the bladder holder along the slit.



 Caution

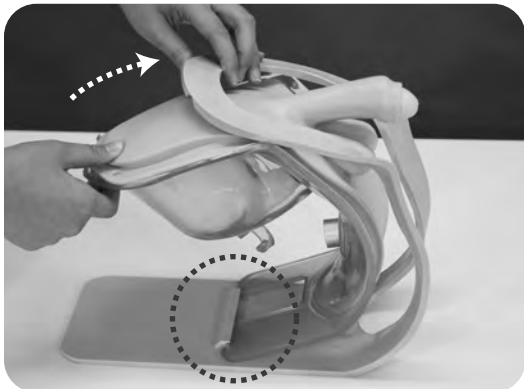
.....
Replace the worn parts into the new ones at this moment.

Refer to P16" ② Replacement of the genitalia skin or the urethral tube" for replacing these parts.

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

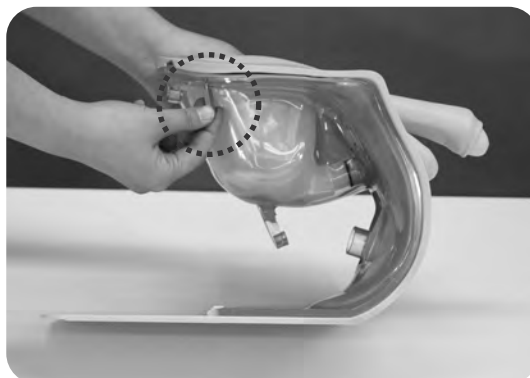


b) Fit the upper side of skin to the genital unit by pulling the skin.



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

d) Fix the frame and the holder by screwing.



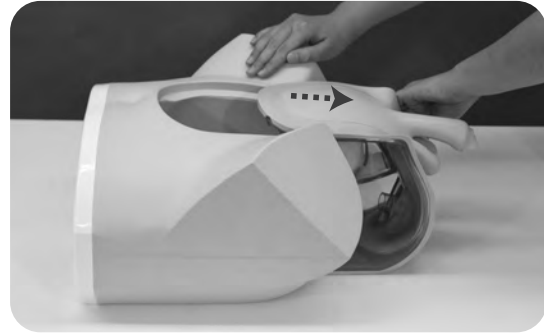
4. Set the genitalia unit to the lower torso model.



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.

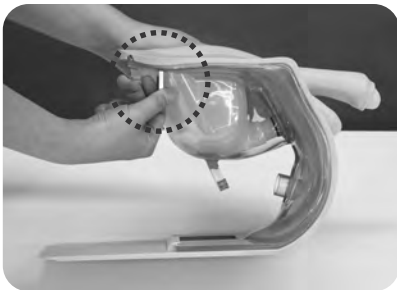


2. Disassemble the genital unit.

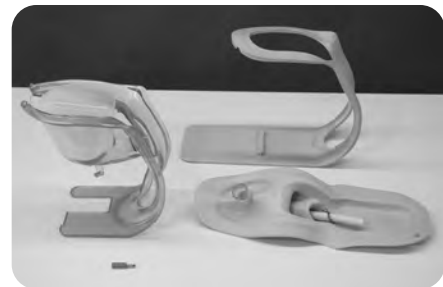
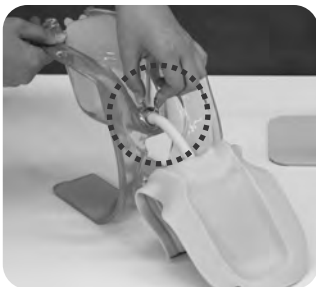
a) Unscrew the genital unit.

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

c) Peel the skin from the bladder holder.



d) Find the clip that holds the joint between the valve and the urethral tube. Loosen the clip by tucking small wings together with fingers and pull out the carefully.



2 Replacement of the genitalia skin or the urethral tube

1. Remove the urethral tube by pulling it with peeling the skin of the penis.



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

3 Replacement of the valve

1. Remove the bladder reservoir from the bladder holder.



2. Unscrew the valve from the bladder reservoir.



3 Replacement of the valve

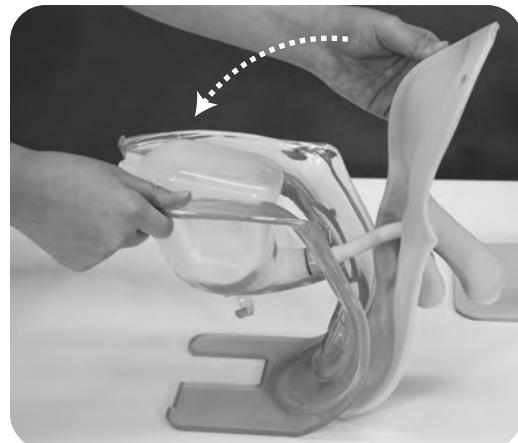
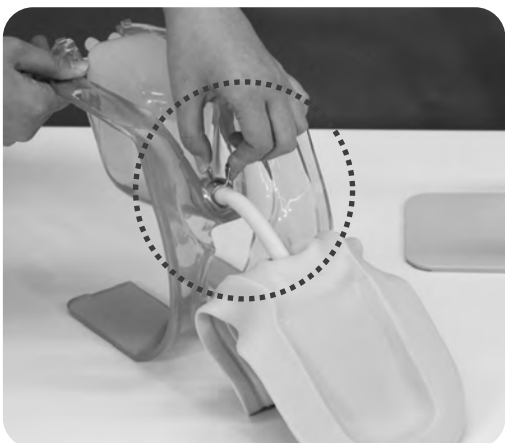
3. Replace the valve and screw it to the bladder reservoir.



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

4 Assembly

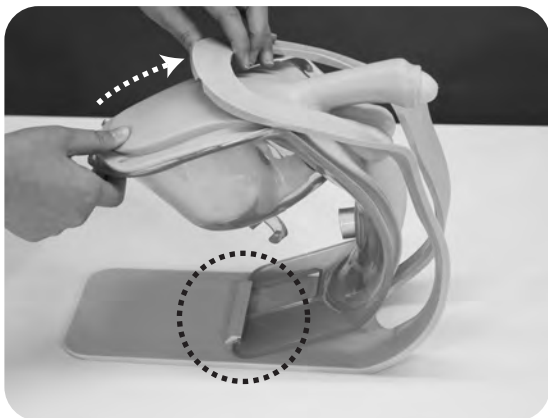
1. Set the bladder in the bladder holder. Then insert the urethral tube to the valve, and hold the clip by tucking small wings together with fingers for do not fall out the urethral tube from the valve and install the urethral tube well, and attach the skin on the bladder holder along the slit.



4 Assembly

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.

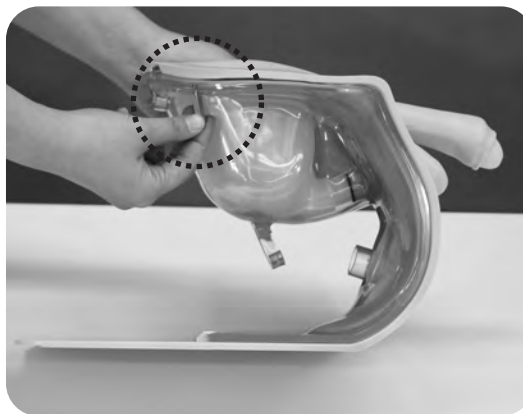


b) Fit the upper side of skin to the genital unit by pulling the skin.

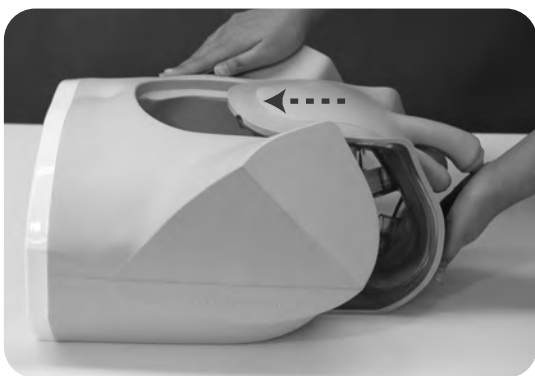


c) Ensure no gap between the frame and the skin.

d) Fix the frame and the holder by screwing.



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



.....
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.

FAQs

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 genitalia organ unit and rectum unit is not correct.	Confirm the connection of the genitalia organ unit and rectum unit. Then set them steadily.

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Please contact manufacturer for extra copies of this manual which may contain important updates and revisions.

Please contact manufacturer with any discrepancies in this manual or product feedback. Your cooperation is greatly appreciated.