

NW8

# Tube Feeding Simulator

(NG, OG and PEG)

## Instruction Manual



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## Manufacturer's note

This Tube Feeding model (MW8) is a training model for teaching and learning Tube Feeding (Intranasal, Oral and PEG) technique in medical and nursing situation.

This training model is designed for training in medical and nursing education.

### Read the instruction carefully before use.

Any other use, or any use not in accordance with the enclosed instructions, is strictly discouraged. The manufacturer cannot be held responsible for any accident or damage resulting from such use. Should you have any questions on this simulator, please feel free to contact our distributor in your area or KYOTOKAGAKU at any time. (Our contact address is on the back cover of this manual)

### ● Features

- Training for inserting the catheter and feeding nutrients with Fowler' s position.
- Confirming the placement of the feeding tube or PEG tube by auscultating epigastrium and aspirating stomach fluid (water).
- ransparent body allows to see anatomically correct internal structure and confirm the catheter route is right or not.
- Actual nutrition can be used for this training model.

## ⚠ DOs and DON'Ts

### DOs

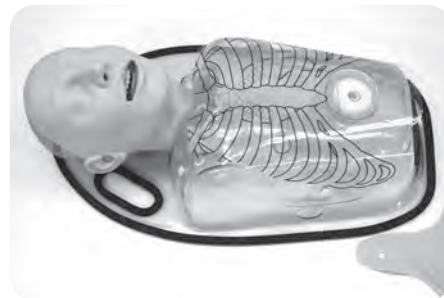
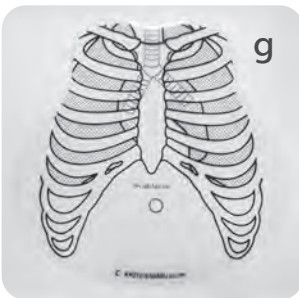
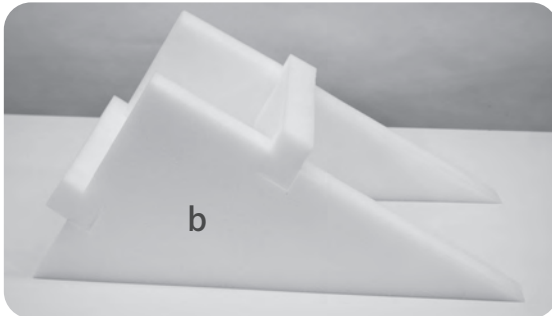
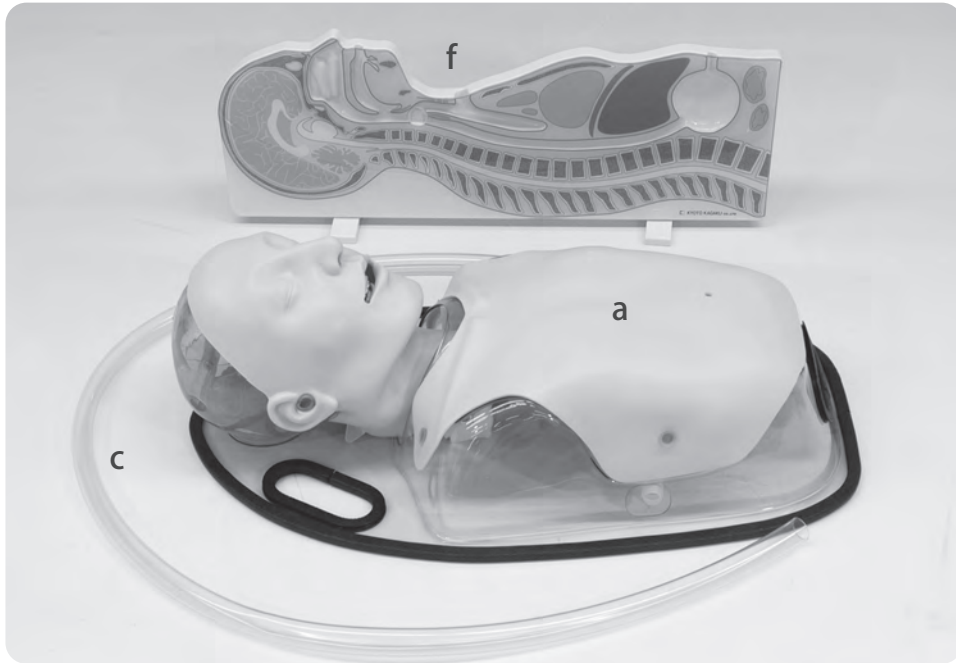
- Handle the manikin and the components with care.
- Talcum powder may be used on the manikin after use to preserve suppleness of the skin and prevent it from being stained.
- Storage in a dark, cool space will help prevent the skin colours from fading.
- The manikin skin may be cleaned with a wet cloth, 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 ethanol or organic solvent like paint thinner to clean the skin, as this will damage the simulator.

## Set Includes

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

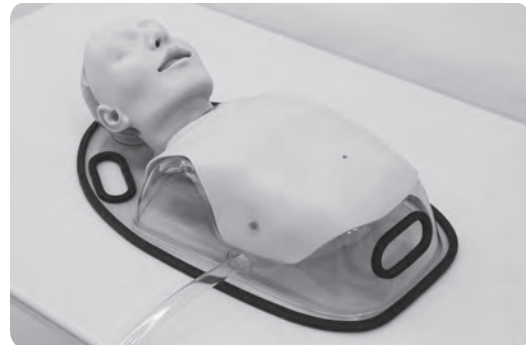
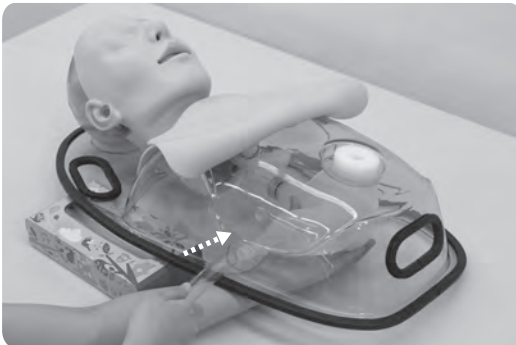
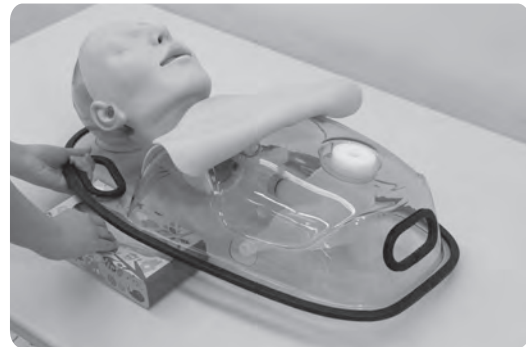


- |                 |         |                              |         |
|-----------------|---------|------------------------------|---------|
| a. Male Torso   | 1 piece | f. Tube Feeding routes model | 1 piece |
| b. Support Base | 1 piece | g. Tube Feeding chest sheet  | 1 piece |
| c. Drain Hose   | 1 piece | Silicone-based lubricant     | 1 piece |
| d. Funnel       | 1 piece | Guide book                   |         |
| e. Plastic cup  | 1 piece |                              |         |

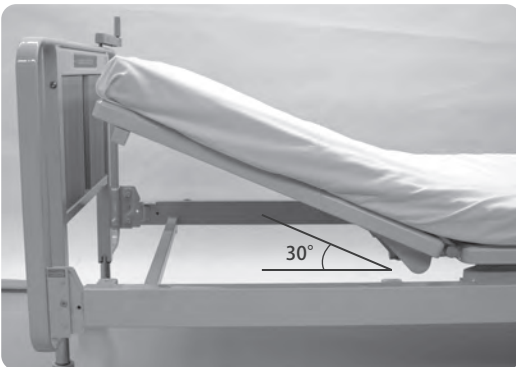
### 1 Training on the bed

1. Connect the drain hose to stomach parts of the torso model.

- 1) Remove the skin on the body in order to see the stomach parts inside.
- 2) Hold the right side of the torso model and put something (e.g. tissue box) among the left side of the model and the table.
- 3) Connect the drain hose to stomach parts steadily.



2. Set the torso model on the bed reclined 30 degree.



### 1 Training on the bed

3. Put the end of the drain hose into the bucket.



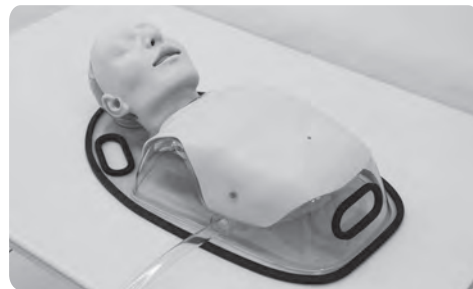
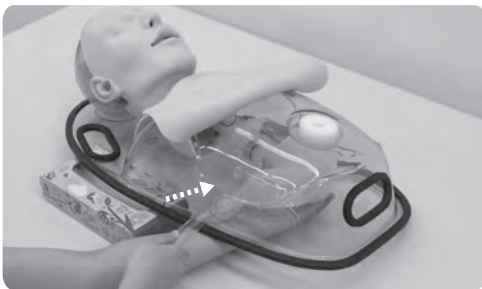
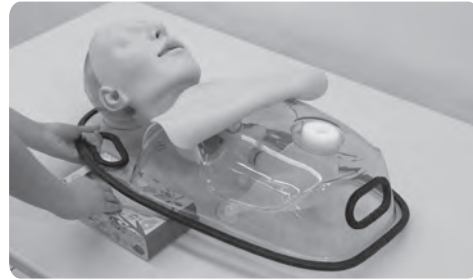
4. Fill the water in the stomach. Insert the funnel into PEG hole and fill about 300cc water. Attach the skin on the model.



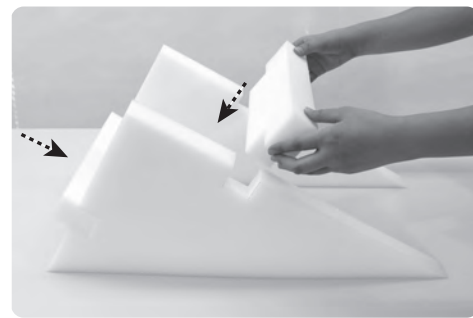
### 2 Training on the table

1. Connect the drain hose to stomach parts of the torso model.

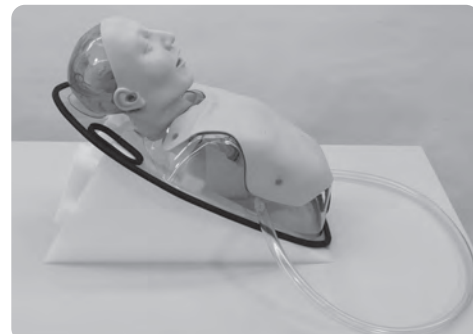
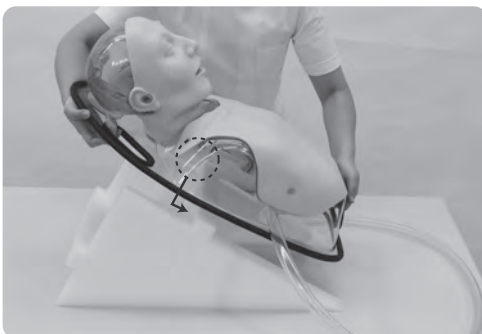
- 1) Remove the skin on the body in order to see the stomach parts inside.
- 2) Hold the right side of the torso model and put something (e.g. tissue box) among the left side of the model and the table.
- 3) Connect the drain hose to stomach parts steadily.



2. Assemble the support base.



3. Set the model on the support base.



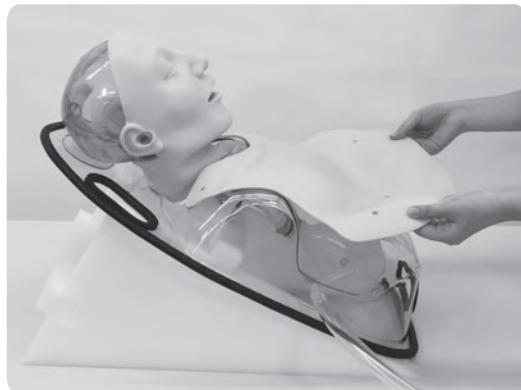
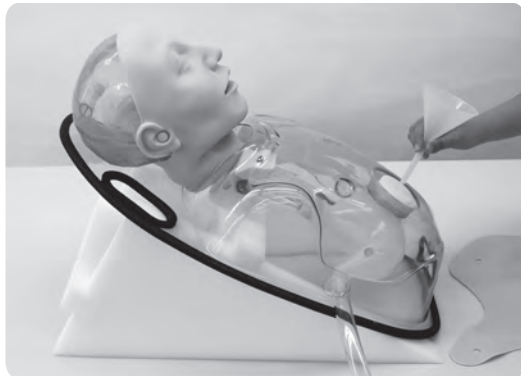
### 2 Training on the table

4. Put the end of the drain hose into the bucket.



5. Fill the water in the stomach.

- 1) Insert the funnel into PEG hole and fill about 300cc water.
- 2) Attach the skin on the model.



### 1 Intranasal tube feeding

#### 1. Inserting catheter

Spray the silicone-based lubricant to catheter and also cavity of nose.

Shortage of lubricant will cause it difficult to insert catheter. Do not use the jelly lubricants or other one because it will be dried and remain in the model.



.....  
We recommend 14 Fr catheters suits for this model. Larger catheter cannot allow the successful insertion.  
In this model, catheter will reach to the stomach with 50cm insertion.

#### 2. Tape fixed training of the catheter



.....  
Do not leave the tapes on the model. If the tape eave on the model for long time, its surface will be sticky with adhesive of tapes.

If you fix the catheter with tape, do not start to inject the nutrient very soon as the tapes are easy to remove. A few minutes later fixing the catheter with tapes, it would be tightly fixed.



### 2 PEG procedure

#### 1. Fixing PEG catheter

Fix the balloon catheter for PEG by about 5ml air. Do not use water or any liquid.

(\* 5 ml is the guide value for our recommended balloon catheter for PEG "NIPRO 20Fr PEG button catheter". For other catheter, fill the air not to remove the catheter from PEG hole.)

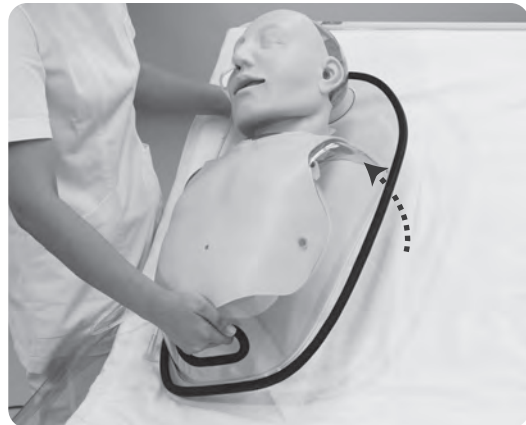


### 3 After injecting the nutrient

#### 1. After injecting the nutrient

Intranasal tube feeding and PEG procedure, drain the content in the stomach for each injecting of a package of nutrient.

- 1) Move the model to the edge of the bed.
- 2) Hold the model with both hand and tip to drain the content.
- 3) Remove the skin and Pull out the PEG catheter.
- 4) Remove the skin and fill 300cc water in the stomach again for next training.



## 1 Drain the content in the stomach

Drain the content in the stomach when the training finish.

- 1) Move the model to the edge of the bed or table.
- 2) Hold the model with both hand and tip to drain the content.

(Training on the bed)



(Training on the table)



## 2 Cleaning the catheter

Before pull out the catheter, do pre-cleaning the catheter and tube.

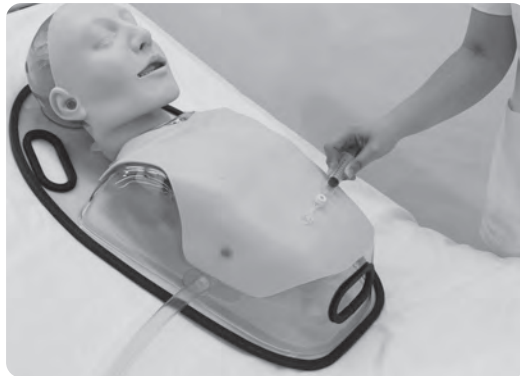
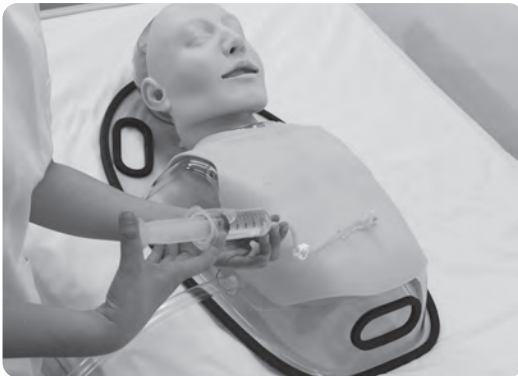
### (NG tube)

Inject the mild hot water to NG tube by syringe and clean the inside of catheter. Then, pull out the NG tube from the torso model.



### (PEG catheter )

Inject the mild hot water to PEG catheter by syringe and clean the inside of tube and catheter. Then, pull out the PEG catheter or tube from the model.

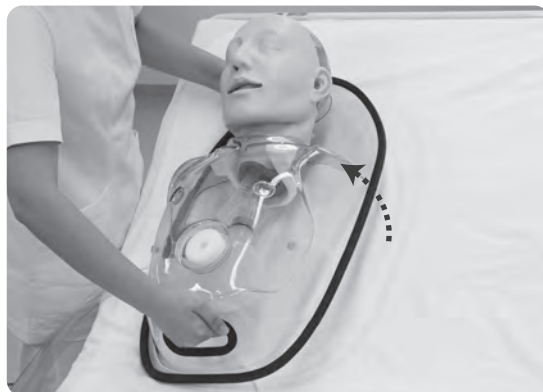


.....  
In case of the fixed PEG catheter, insert the syringe to catheter valve and drain the air. Then pull out the PEG catheter carefully from the model.

## 3 Cleaning the stomach and remove the drain hose

After catheters removed, clean the stomach with mild hot water. Repeat cleaning the stomach until the water does not include nutrients. Then, remove the hose from the stomach part.

(Training on the bed)



(Training on the table)



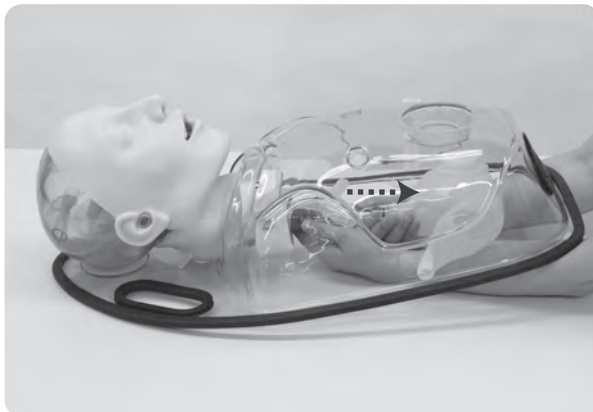
\* Removing the stomach part is easier on the table than the bed.

## 4 Dismantling the parts

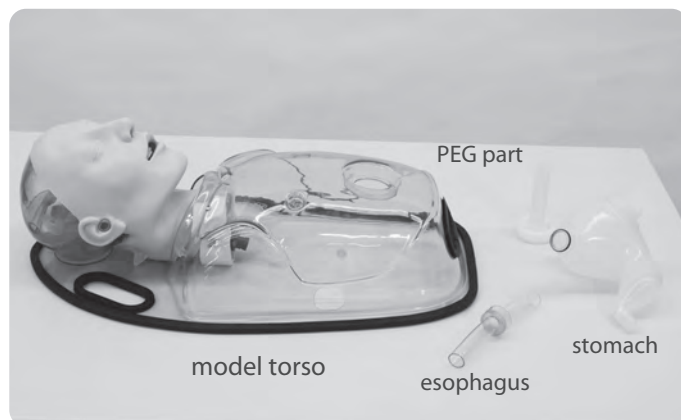
1. Dismantle the stomach by twisting the PEG part in counterclockwise.



2. Hold the cervical part from under the model and pull the esophagus from cervical part.



3. Remove the esophagus from the stomach.

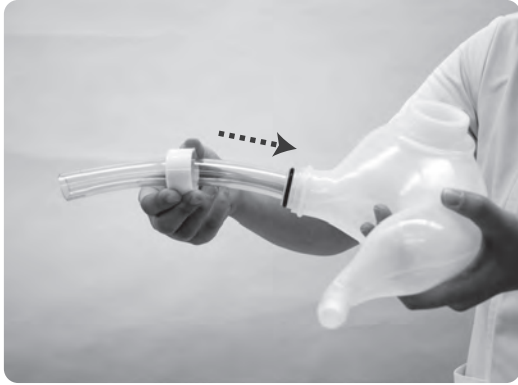


### Cleaning

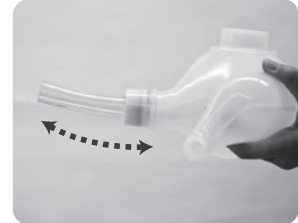
Wash and dry enough the stomach and other parts. Clean the stomach part with sodium hypochlorite if it is needed. (Follow the instruction of antiseptic for how to use it)

## 5 Setting the parts

1. Attach the stomach with esophagus as photos below.

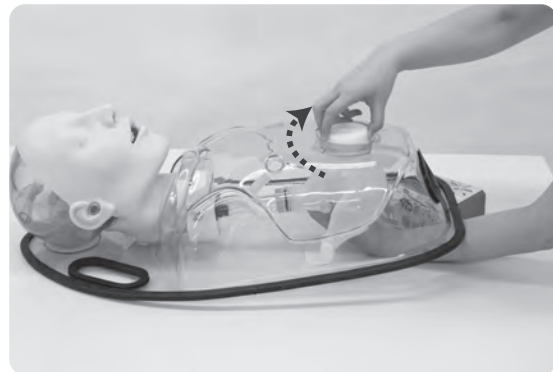


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2. Insert the esophagus into the cervical part steadily. Then attach the PEG part to the stomach by twisting in clockwise.



3. Put the skin on the model.



Quick check-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.

### FAQ s

Q. Cannot insert the catheter.

A1. Catheter size may be larger than our recommend.

Use 14Fr catheter for NG and Oral, 20Fr for PEG.

A2. Lubricant may not spray on catheter and nasal passage.

Spray the lubricant (Silicone-based lubricant) to catheter and nasal passage.

Q. Cannot hear the bubble sound in the stomach.

A1. There may be no water in the stomach.

Fill 300cc water in the stomach.

A2. Balloon catheter is not fixed at PEG hole.

Fix the PEG catheter by adding air in balloon.

A2. The esophagus part is not fixed with correct angle.

Confirm the esophagus attachment (page 14).

Q. Cannot aspirate stomach fluid.

A1. There may be no water in the stomach.

Fill 300cc water in the stomach.

Q. Aspirated stomach fluid is muddy.

A1. There may be no water in the stomach.

Drain the content in the stomach for each injecting of a package of nutrient.

Then fill 300cc water.

Q. Cannot remove the pollution of the stomach and drain tube.

A1. The nutrient has not removed at last cleaning and polluted by bacteria.

Switch the stomach or drain hose to new parts.



## Caution

Don't mark on the model and other components with pen or leave printed materials contacted on their surface.  
Ink marks on the models will be irremovable.

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

 **KYOTO KAGAKU co.,LTD**

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