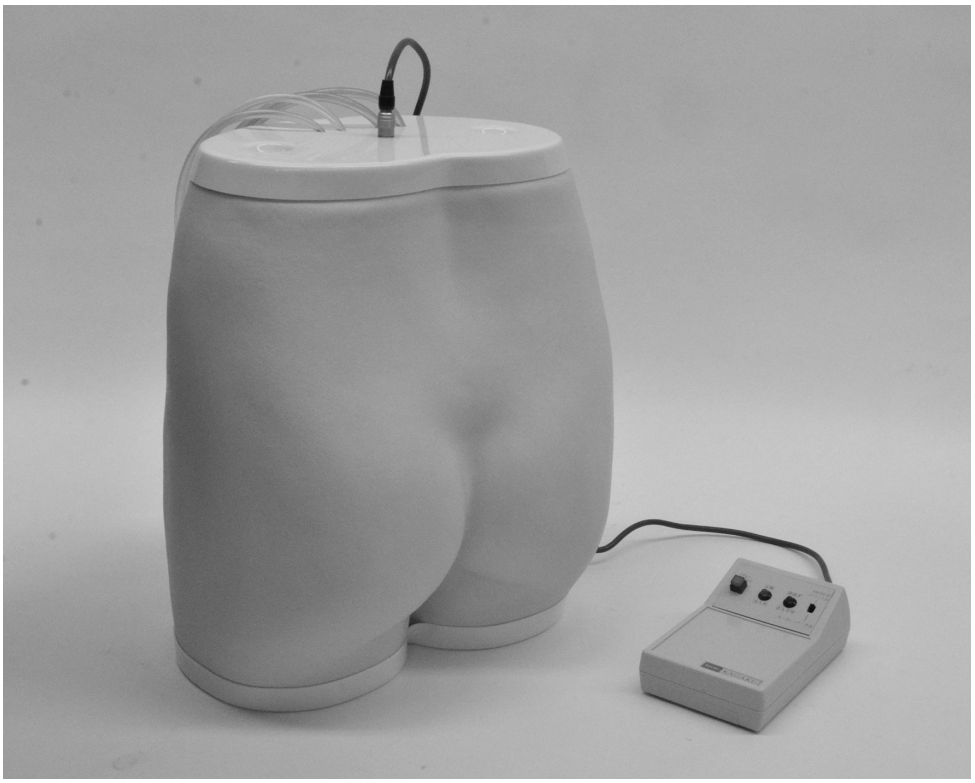
M74

INTRAMUSCULAR INJECTION SIMULATOR 2-WAYS MODEL

User's Instruction



Movie Site

English Site

https://youtu.be/6XEbQBKK2UE

KYOTO KAGAKU CO., LTD.

⚠ DOs and DON'Ts

DOs

●Operate the system under the designated circumstances

Power input: AC100V～230V plus or minus 10%, 50Hz/60Hz
Temperature range: between 0 degrees C and 40 degrees C (no congelation)
Relative humidity; between 0%to 80% (no condensation)
*Connecting to power source outside of the designated range may lead to fire.

●Safe disposition

To avoid short circuit, do not run the simulator set above a power receptacle.

●Handle the power plug and cord observing following precautions

1. Clean the head of the plug periodically.
2. Plug in the plug to the outlet firmly to the end.
3. Always hold the plug when unplugging. Do not pull the cable.
4. Do not force to bend, twist the cable and avoid scratching or cutting on it.

Failing to follow the above precautions can result in damage in the plug and the cable, constituting risk of fire or shock.

●When the electric parts get warm or produce smoke, immediately turn off the power and unplug from the power source

Risk of fire. Contact your distributor or the manufacturer for repair.

●Handle with care

The materials for the models are special compositions of soft resin.
Please handle them with utmost care at all times.

●Storage

Store the simulator at room temperature, away from heat, moisture and direct sunlight.
Storage under the temperature above 50 degrees C may reduce the performance quality of the simulator.

DON'Ts

●Do not disassemble or open electric or precision components

Do not open up or disassemble the housing for electric parts or precision components.
Refrain from opening up any lids, caps or covers for such area, and never run the system while any of such covers are open.
*Never disassembling the electric components, power plug and cable as it may create a risk of fire, shock or injury. Contact your distributor or the manufacturer for repair.

●Never wipe the product and components with thinner or organic solvant

●Ink marks on the soft surface won't be removable

Don't mark on the product and components with pen or leave any printed materials in contact with their surface.

●Do not give shocks

The electric components are precision instruments. Strong shocks or continuous vibration may cause breakages of its internal structure.

●Do not run the system continuously over 2 hours

Take at least 30 minutes shutdown, turning off the power, every 2 hours.

●Do not wet the electric components

Do not pour or spill water or liquid detergent over the electric components, power cable and power plug. Running the system while the electric components are wet may create a shock hazard or a risk of fire.

●Do not handle the power plug with wet hands

Risk of shock.

●No fire

Do not put the product close to fire. It may lead to discoloration or deformation of the product as well as short circuit, creating a risk of fire.

Table of Contents

Preface

Thank you very much for purchasing M74 Buttock Intra-muscular Injection 2-manner Mode. This product is a simulating model for the intensifying the understanding of intra-muscular injection and to upgrading practical skills. It is intended for auxiliary device for the medical and nursing education.

Features

1. The model is consists of soft skin, muscle layer and hard bottom skeleton. Since it is very close the actual touch, the injection spot can be determined through palpate.
2. There are 3 manners of determining injection spot, which are corresponding to 4 section 3 section, Hochstetter.s technique and Clark Points.
3. When the injection needle is punctured, the lamp will show the accuracy of position and depth of injection.
4. When the punctured location is correct, the injection liquid may be released (Water).
5. Since the skin of model is made a special resin, it is almost trace-free after punctuation.

Please read through this instruction

This product is a model made for medical / nursing practice. Do not use for any purpose other than originally intended. When damage or accident occurred due to uses other than originally intended, we shall accept no liability.
Please provide equivalent care to it, as gentle as if you are treating human body.

Please note, extra-power may be the cause of damage / break.

Please note, do not allow the electrical mechanism to be in touch with water.
When irregularity found during use, please contact the original dealer, or KK Kyoto Kagaku (details of contact are listed at the end of this Instruction).

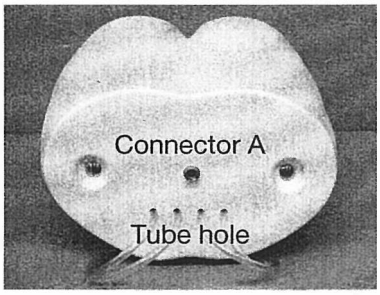
Specification

Model:Shape of adult woman (in real size)
Material:Soft special resin, hard resin (3-layer construction)
Weight:About 3.2kg (the model)
Power:9V Battery

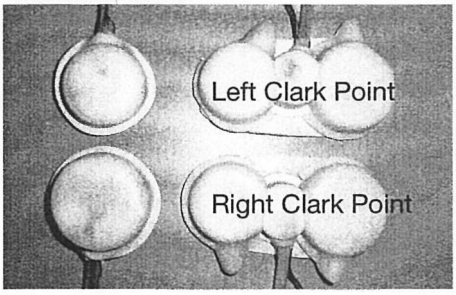
Product Composition

Main Model ·····1
Display box of accuracy·····1
9V Dry Battery ·····1
4 section 3 section, Hochstetter's site sensor ·····
2 each (built-in the main body when shipping)
Clark Points Injection Spot Sensor each at left and right sides
Lateral position table ·····1

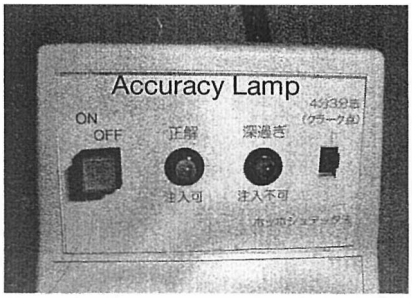
Names of various portions



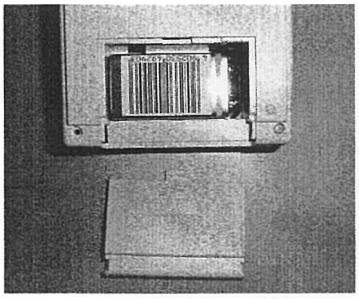
Hochstetter



4Sec.3Sec.



[Accuracy Display Box]



[Back side of Accuracy display box]

Use Method

(Preparation for practice)

1. Power

Power can be supplied by 9V battery.

When changing dry battery-open the cover at the rear of Accuracy Display Box, and install dry battery into the internal socket.

2. Wire Connection

Insert the wire plug of Accuracy Display Box into Connector A of Model Main Body (Hold the rubber part of the plug, press gently to the connector and turn, it will fit into the groove and slip in).

3. Switch-on power

Press the power switch of Accuracy Display Box, and the lamp at the switch will light up (Replace the battery, when the 9V battery lamp is not on).

4. Selection of injection spot determination method

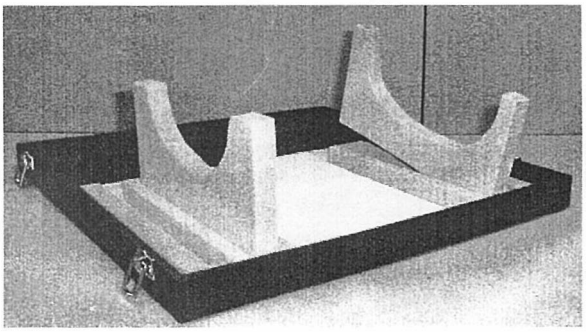
The 4 section 3 section, Hochstetter method can be selected. Please change with the switch of Accuracy Display box.

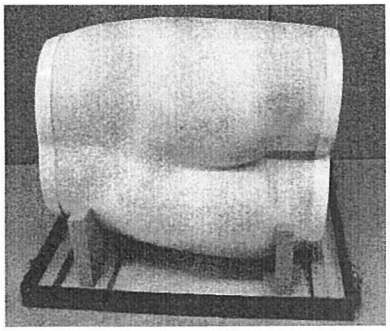
When Clark Point determination method is used, please practice by changing sensor inside the model (Please refer to P5-7 Items for changing the injection spot sensor).

5. Arrangement of Model

Arrange model to have water-receiving container (tray or bucket to the front end of waste water tube).

* When Hochstetter method is used to practice, change the model to be lateral position, as the table for assembling accessory shown in the figures.





(Practice)

6. Determination of location

Inside the model, there is part equivalent to skeleton. Please palpate to determine the injection spot.

7. Puncturing

After identifying the spot, please puncture with the injection needle. When the spot is correct, The lamp on the panel will turn green.

If puncturing depth is too much, though the spot is correct, it will be warned with red lamp.

The injection needle tip must be without damage, otherwise the sensor inside will be damaged.

8. Injection

Liquid may be injected only if the correct injection location if found (green light on).

(Please use water to substitute the injection liquid for safety purpose)

The injected liquid will be drained automatically from the tube on the model.

(After Practice)

9. Hoarding Method

Press the injection spot on the skin mildly, the water inside will be expelled.

When the skin of the model is dirty, please wipe with cloth applied with water or alcohol.

After dried, apply a thin layer of baby powder.

When the product is not for use for a long time, the dry battery shall be removed to avoid leakage.

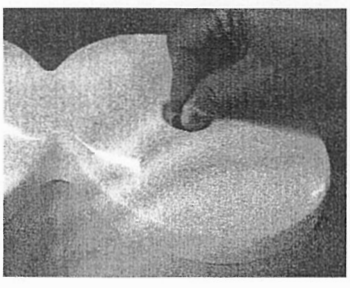
Keep it in premises cool and dry.

Change of Skin-Injection location sensor

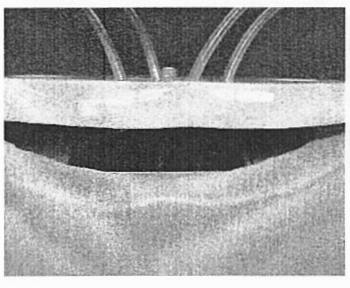
When the skin of the product is broken or heavily dirty, the skin may be replaced. The injection location determination method may be changed to Clark Point. Or when the internal injection location is damaged, the injection location sensor can be changed.

Romoval of Skin

1. Remove the wire-as shown in the figure, remove the upper and lower cover of the model body.

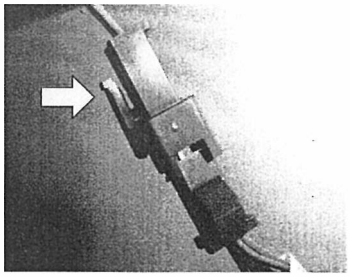


Turn the screw at 4 location 45 degrees counter-clockwise and take off the cover.



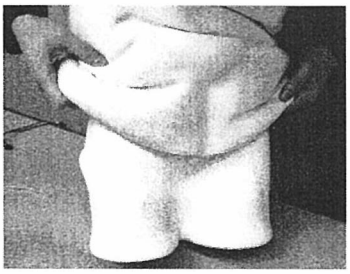
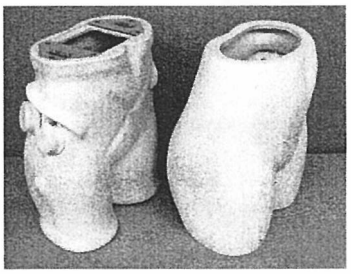
Press the tube inside and remove the cover.

2. Remove all the internal connector.



➡ Remove this portion along with pressing.

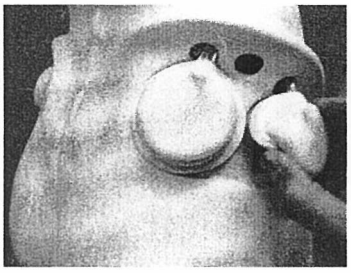
3. Do not pull the skin forcefully, but remove slowly from the bottom.

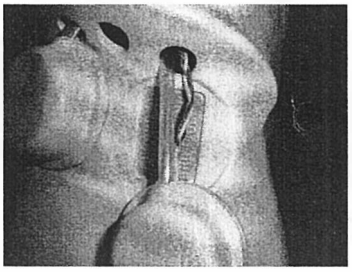
○ Removing only the skin → ④ Covering with skin

② *Replacing sensor of injection location (dismantle)*

* 4 section 3 section, Hochstetter's site sensor

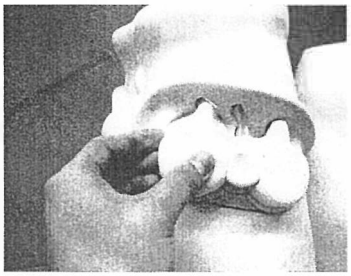


Remove the fastener

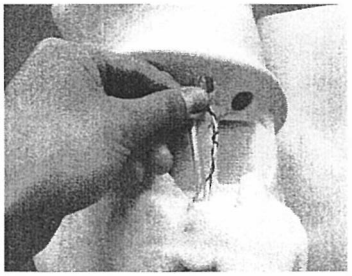


pull off the tube then the connector in sequence.

* Clark Injection Point Sensor



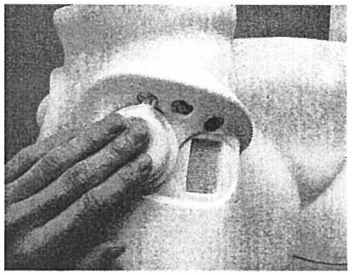
Remove fasteners at 2 locations



pull off the tube then the connector in sequence

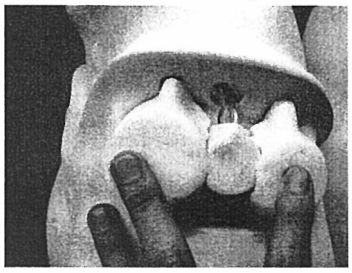
③ *Replacing the injection location sensor (Installation)*

* 4 section 3 section, Hochstetter's site sensor



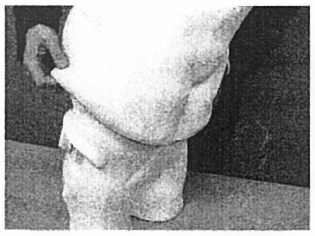
Insert connector (1) and connector (2) into the hold under butterfly bone, and the location sensor shall be join with the fastener at the bottom seat.

* Clark point sensor

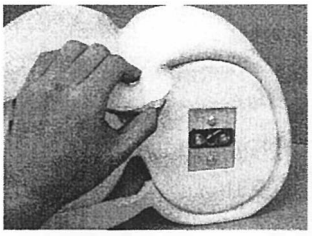


Insert connector (1) and connector (2) into the hold under butterfly bone, and the location sensor shall be join with the fastener at the bottom seat (Left and right are different from each other).

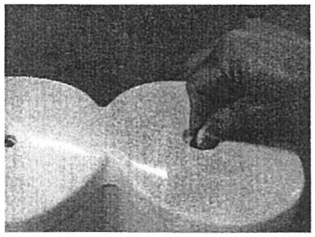
④ *Covering with skin*



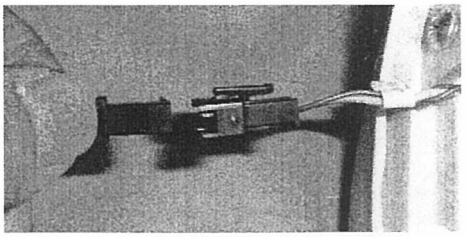
① As shown in the figure, open the skin slightly and cover up.



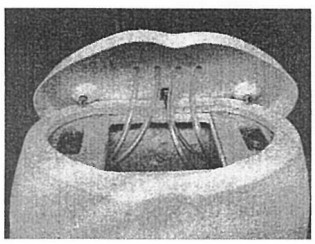
② If the skin edge is rolled in, pull it out.



③ put the cover, turn right the scroll.



④ Connect the connector at the upper cover to the connector of injection location sensor.



⑤ insert the tube, put the cover.

Change of parts and components

The following are consumable parts, which is replaceable. Please order through channel other.

Skin

4 section 3 section sensor

Hochstetter's site sensor

L/R Clark point sensor

Precautions in uses

- When palpate, please do not press more than necessary
- The needle point used shall not be damaged, otherwise the sensor inside will be damaged.
- The injection liquid shall be water, when the water is colored, it will change color.
- When the skin surface is dirty, please wipe with cloth applied with water or alcohol ; after dried, apply slightly baby powder.
- When dry battery is used, the battery shall be removed from the box after use.
- Skin surface shall not labeled with sticker or write with sign pen. It cannot be erased.
- After use, please keep in the purpose box and in cool and dry location.

Information or irregularity of the product, please check with your dealer or the following units.

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