

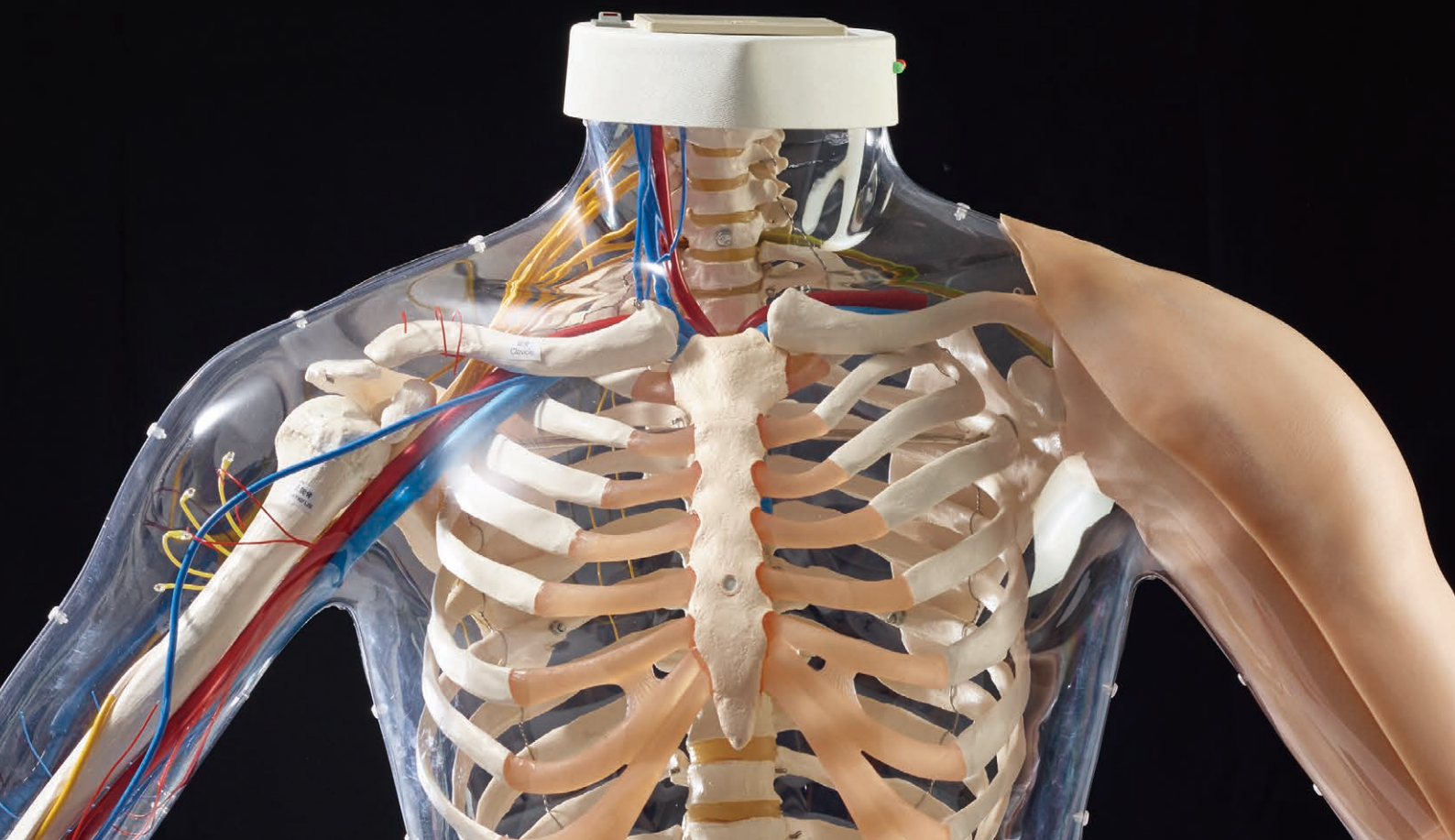


SAKAMOTO MODEL
CORPORATION

Medical & Nursing simulator

医学教育シミュレーター New item catalogue

Designed by Sakamoto Model in Japan



sakamoto model

new item



Sakamoto Model's
new products
Designed for
attractiveness and
ease of use

The attractiveness of real human skin and shape to nurture feelings of compassion for patients.

Product specifications seek to allow ease of operation for more efficient learning when there is limited time.

Sakamoto Model is dedicated to creating models that fulfill both of these requirements.

Products released during the previous year and products which have been popular with our customers for many years have all been included in a 'New Product Catalog'.

We hope they will be of use to you in your training place.

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New products

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line up

Sakamoto Model WEB site
<http://www.sakamoto-model.co.jp/>

You can view all of our products here.



M104

"New KOHARU" - Nursing Training Manikin NEW

●Accessories/Wig for shampoo, Pajamas, Lubricant oil, Baby powder, Catheters, "Veinmate" 2, Simulated gastric fistula catheter, Exclusive tape (2pieces), Simulated tracheal cannula, Drain bag of Ostomy

Soft skin & Movable joints like the human baby,
For realistic elderly nursing simulation.



Features

- Posture change
- Intramuscular injection
- Intravenous injection/Blood sampling
- Ostomy ●Oral hygiene
- Gastrostomy care
- Central venous nutrition
- Stoma care ●Tracheotomy care
- Changing pajamas ●Transportation
- Bed bath ●Suctioning
- Urinary catheterization
- Nutrition (oral/nasal)
- Enema administration
- Manual disimpaction
- Intestine lavage/Gastric lavage
- Assisting excretion ●Restriction
- Fomentation ●Bandaging
- Shampoo

Specifications

Height	165cm
Weight	Approx. 17kg
Material	Silicone

Useful for a wide range of techniques used in geriatric nursing.
Allows more realistic training for nurses and carers.

Techniques required for home-based nursing



Ostomy



Gastric lavage



Intravenous injection



Oxygen cannula
(sold separately)



Oxygen mask
(sold separately)



Nutrition (nasal)



Suctioning



Enema administration



Urinary catheterization

Training in home-based care



Decubitus treatment
(Decubitus treatment pad sold separately)



Gastrostomy care



Stoma care



Oral hygiene

Support for daily activities



Shampoo



Foot bath



Changing diapers



Bed bath



Posture change

M200-1/M200-2

Female Catheterization & Enema Simulator Male Catheterization & Enema Simulator

NEW

- Weight/Approx. 5.5kg ●Case size/W62×D44×H30cm
- Accessories/Simulated soft stools (yellowish-brown), simulated soft stool mixing container, simulated soft stool stirring rod, tray, replacement non-return valve (×2), bottle (1L), bottle stand, balloon catheter 16Fr, Nelaton catheter 8EG, lubricant oil, baby powder, storage case

Catheterization and enema practice can be carried out using a single model.



▲Female Catheterization & Enema Simulator

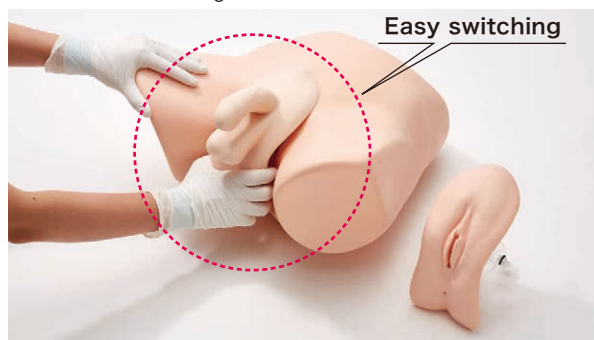


▲Male Catheterization & Enema Simulator

Feature

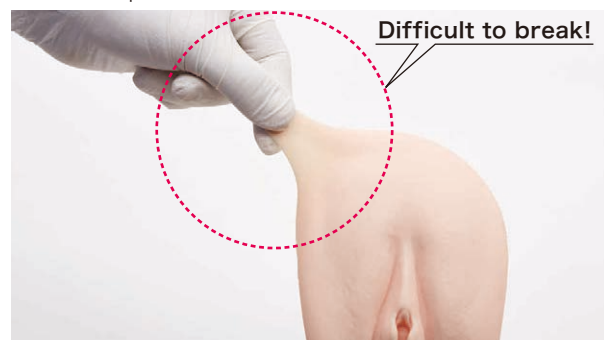
1 Removable

Genital parts can be easily removed at a single touch. The main body can be used for training by switching the male and female genitals.



2 Improved durability

Updated materials for genitals which could previously break easily. Texture is closer to that of a real body, while durability has been improved.



M200-3

Catheterization & Enema Simulator Set (Male Female genitalia set)

- Accessories/Simulated soft stools (yellowish-brown), simulated soft stool mixing container, simulated soft stool stirring rod, tray, replacement non-return valve (×2), bottle (1L), bottle stand, balloon catheter 16Fr, Nelaton catheter 8EG, lubricant oil, baby powder, storage case

3 Balloon catheter can be inserted.

Catheters from 12Fr to 18Fr can be used.
The state of balloon catheter insertion can be checked.



4 Simple design so that the bottle can be easily removed and emptied after use.



Practice

Urinary catheter training



Realistic training

The genitals closely resemble actual body parts, so that realistic urinary catheter training can be carried out.

Enema training

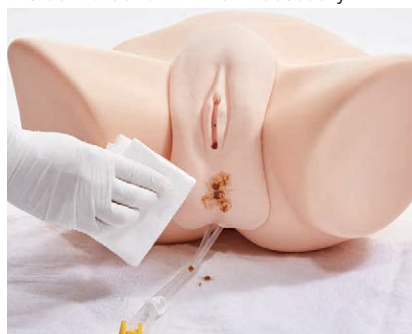
Lateral position can also be used.



Training in glycerine enema application is also possible.



Cleaning practice is also possible using the soft stool simulation accessory.



M164-1

Sakamoto Auscultation Simulator 2

NEW

- Weight/Approx. 6kg ●Case size/W65×D58×H28cm
- Accessories/Tablet PC, Wi-Fi router, Stethoscope, Chest cover, Wireless speaker, storage bag

By reproducing various symptoms, supports practice of auscultation with a feeling of being in a clinical situation.



Heart sounds and breathing sounds can be played back using a tablet PC.



Chest cover (Indicate auscultatory site)



Wireless speaker



Feature

1 Learning through practice with a sense of reality

Sternum and soft touch of the skin

Seven built-in speakers (volume adjustable) provide true-to-life experience of hearing cardiac and breath sounds of actual patients by applying a stethoscope.

2 Realistic auscultatory sounds

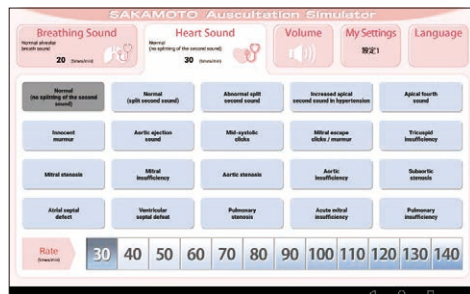
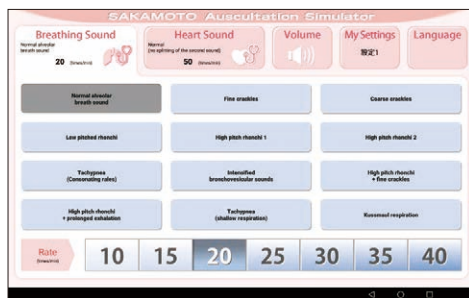
Reproduction of complicated cases is possible by combinations of 20 cases of cardiac sounds and 12 cases of breath sounds. A tablet PC can be used to realistically check differences in auscultation sounds for each case. Practical clinical training with a real sense of presence which is ideal for learning auscultation techniques. Heart sounds and breathing sounds can be played back via a tablet PC as well as directly from the body.

3 Adjustable to details

The heart rate and respiratory rate are adjustable.

The volume of cardiac and breath sounds is adjustable in each region (cardiac and pulmonary regions) or all regions.

Practice



Cardiac sounds

- | | |
|---|-------------------------------|
| 1 Normal (no splitting of the second sound) | 11 Mitral stenosis |
| 2 Normal (split second sound) | 12 Mitral insufficiency |
| 3 Abnormal split second sound | 13 Aortic stenosis |
| 4 Increased apical second sound in hypertension | 14 Aortic insufficiency |
| 5 Apical fourth sound | 15 Subaortic stenosis |
| 6 Innocent murmur | 16 Atrial septal defect |
| 7 Aortic ejection sound | 17 Ventricular septal defect |
| 8 Mid-systolic clicks | 18 Pulmonary stenosis |
| 9 Mitral escape clicks /murmur | 19 Acute mitral insufficiency |
| 10 Tricuspid insufficiency | 20 Pulmonary insufficiency |

Breath sound

	Major Category	Minor Category	Disease
1	Normal alveolar breath sound		Normal
2	Intermittent rales (moist rales)	Fine crackles	Interstitial pneumonia, pulmonary fibrosis / pulmonary edema
3	Intermittent rales (moist rales)	Coarse crackles	Pulmonary edema, pneumonia, alveolar effusion
4	Continuous rales (dry rales)	Low pitched rhonchi (sonorous rhonchi)	Stenosis of middle-large bronchi, bronchial secretion
5	Continuous rales (dry rales)	High pitch rhonchi, wheeze 1	Bronchiolar stenosis, bronchial asthma
6	Continuous rales (dry rales)	High pitch rhonchi, wheeze 2	Bronchiolar stenosis, bronchial asthma
7	Tachypnea	Consonating rales	Nervous dyspnea
8	Intensified bronchovesicular sounds		Resting dyspnea
9	Continuous rales (dry rales)+ intermittent rales (moist rales)	High pitch rhonchi, wheeze+fine crackles	Cardiac asthma
10	Continuous rales (dry rales)	High pitch rhonchi, wheeze+prolonged exhalation	Bronchial asthma
11	Abnormal respiratory pattern	Tachypnea (shallow respiration) 60times/min	Central hyperpnea (midbrain disorder) hyperventilation syndrome
12	Abnormal respiratory pattern	Kussmaul respiration 36times/min	Diabetic ketoacidosis, uremia

Specifications

Size	Main unit W55×D23×H50cm
Heart sounds	20 cases×4 sites
Heart rate	adjustable
Respiratory sounds	12 cases×3 sites
Respiratory rate	adjustable

Volume	adjustable
Power source	AC100V 50/60Hz
Consumption of electricity	15W
Operating temperature range	5~40°C

M191-1

Sakamoto Cardiograph Simulator 2

NEW

- Weight/Approx. 10kg
- Accessories/Fetus (for palpation), simulation Doppler transducer (×1), simulation labor transducer (×1), Doppler transducer fixing belt (×1), labor transducer fixing belt (×1), baby powder, foetal cushion, simulation recording paper (4 types), storage bag
- Case size/W100×D42×H37cm

For listening to the fetal heartbeat and related training.



※The Sakamoto cardiograph simulator 2 can be used for nurse and midwife training.
Please note that the simulator does not provide a written or audio record of the heart rate.

Feature

The baby is at 10 months.
Four different presentation positions
can be used for training.



Baby



Internal structure



Four presentation positions are possible

1 Measure

Practical measurements can be carried out on the body which resembles the 39th week of pregnancy.



Abdominal girth measurement



Uterine measurement

2 Palpate

The abdomen is soft so that training in palpation of the fetus is possible. The accessory fetus for palpation has a built-in skull and pelvis.



Palpating the position of the uterine fundus and the fetus



Checking the presentation



Palpating the fetus on the symphysis pubis

3 Practise attaching

Practice can be carried out for securing the Doppler transducer and labor pain transducer belts. You can look at the box to check if the belts are attached correctly.



Belt attachment practice

4 Listen to heartbeat

Practice listening to the fetal heartbeat at 4 points (No.1 breech presentation, No.2 breech presentation, No.1 occiput presentation and No.2 occiput presentation).



Front

Back

The heartbeat can be heard coming from the special box, and there are switches at the back for setting the heartrate and alarm.



The setting can be changed at a single touch to normal (120 BPM), tachycardiac (>180 BPM) or bradycardiac (<110 BPM) heart rate. The alarm switch is set to ON, the alarm sounds when the Doppler transducer is incorrectly attached

5 Look at wave patterns

Four types of wave pattern (normal, tachycardiac, bradycardiac or transient bradycardiac) can be practised.



Recording paper which is the same size as actual paper can be held in the hand while practising. (The recording paper is already printed on.)

M186-1

Sakamoto Whole Body Pregnant Model 2

NEW

●Accessories/External genitalia (skin color, transparent), Fetus (Delivery), Lubricant oil, Baby powder, Placenta, Umbilical cord (×1)

Useful for serial training of birth assist!



Specifications

Height	160cm
Weight	Approx. 19kg

Exchangeable parts

Exchangeable genitalia (skin color)
Exchangeable genitalia (transparent)
Exchangeable umbilical cord (10 pieces/set)

Feature

- 1 A renewed design, with the whole body arms and legs as well as the abdominal cover being softer.



- 2 Can see the status of fetal head through the transparent genitalia.



▲Protection of the perineum ▲Crowning ▲Delivery of posterior shoulder

- 3 Checking the placenta and amnion

The textured placenta includes an amnion, so that you can simulate its presence or absence inside the womb. In addition, the umbilical cord which is attached to the placenta is made of a flexible material so that it can actually be clipped.



- 4 Umbilical ligation and umbilical cord cutting

Forceps can now be used as well.



▲Hemostatis using forceps ▲Umbilical cord cutting

Free-style delivery possible



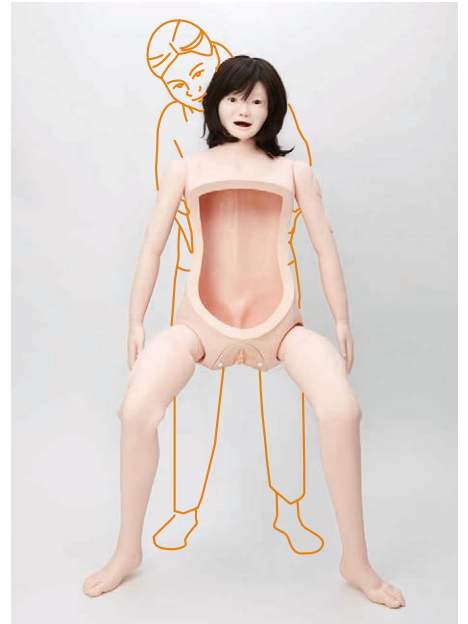
▲Supine position



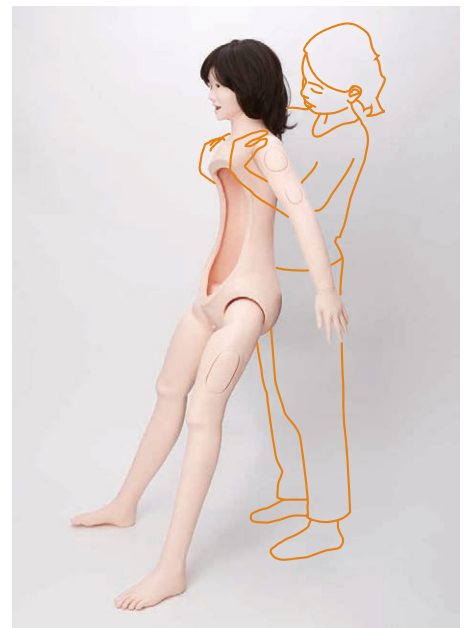
▲Semi - supine position



▲All fours (Knee-chest position)



▲Squat position



▲Standing position

Pregnancy Experience Suit

NEW

- Weight/Approx. 8.7kg; Abdominal weight:Approx. 6kg (750g×8 pcs.); Breast weight: Approx. 1.5kg (750g×2 pcs.)
- Material/Suit: Nylon 100%; Weight bag:Nylon 100%; Weight contents: Iron, urethane
- Accessories/Weights (750g×10 pcs.), Storage bag×1

Experience 24 hours a day what it is like to be pregnant with the Pregnancy Experience Suit

The changes that occur during pregnancy are not limited to just a swollen abdomen. As well as the abdomen growing bigger with the new life forming inside it, there are of course other changes occurring both physically and mentally, and they have an effect on all aspects of daily life.

In order for everyone to experience the changes involved with pregnancy. In order to make it possible to practice in a clean state.

The lifelike design of Sakamoto Model's Pregnancy Experience Suit is the ideal product for you to use.



point!

The apron includes a maternity logo!



Caring for pregnant ladies

Sold separately

Pregnancy experience suit apron



Apron removed

"Lifelike design" feature makes practice better

1 Free design size which can be fitted easily to either men's or women's bodies



Cord lengths can be adjusted so that the suit can be fitted easily to either men's or women's body styles. The simple design lets the suit fit itself just by tightening the buckle.

2 Adjustable weights



The weights in the breasts and abdomen can be inserted and removed so that you can adjust the total weight during training.

3 Buckle type which does not get caught in hair or clothing



Uses Sakamoto's original fitting method. This eliminates any discomfort from the product's belt fittings getting caught in hair or clothing.

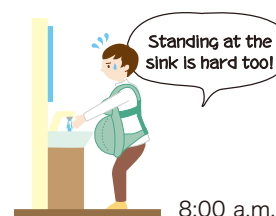
4 Washable so it can stay clean at all times



The experience suits may be worn by many different people. Because the suit itself can be easily washed, it can be kept clean so that you can always use it with confidence. (Remove the weights from the suit before washing.)

Practice

Experience being pregnant for the whole day with the Pregnancy Experience Suit



Denture Attachment Type Oral Hygiene Model

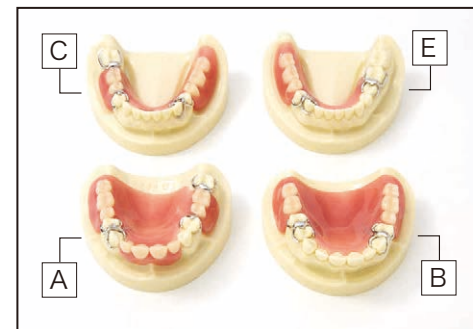
Renewal

- Main unit size/W15×D15×H20cm ● Total weight/1.5kg
- Accessories/Simulated sputum, storage box, 1 full denture (upper jaw), 1 partial denture D(lower jaw)
- *The model is equipped as standard with a full denture and a partial denture D.

Ideal for training in a variety of oral hygiene practices



Replacement dentures(sold separately)



Partial denture



Full dentures

Feature

- 1 Improved tongue material! Cleaning the tongue is now possible.
- 2 Entire model can be washed. Packing up after training is much smoother.
- 3 Increased space in the oral cavity increases the number of procedures which are possible.

Practice

1 Denture removal and attachment



Independent training is possible even in the lateral position.

2 Oral cavity care



The texture is closer to that of the human body, to make training more realistic.

3 Tongue care



The tongue is softer, and tongue cleaning is possible.

4 Suction



Oral and nasal suction procedures are also possible.

Recommended products

M102	"New TOMOKO" - Nursing Training Manikin	16
M103	Physical Assessment Doll TOMOKO Plus	18
M118-1	"Musclemate" 2- Intramuscular Injection Simulator	20
M181	Fit-on Intravenous Injection Trainer I.V.Pad	22
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M190	Sakamoto Tube Feeding Trainer 2	30
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M176	Aged Simulation Suit	36
M193-1	Training phantom for ultrasonic observation of tissue damage DTI Training Set	38



"New TOMOKO" - Nursing Training Manikin

●Accessories/Wig for shampoo, Pajamas, Lubricant oil, Baby powder, Catheters, "Veinmate" 2, Simulated gastric fistula catheter, Exclusive tape (2pieces), Simulated tracheal cannula

Good flexibility and soft texture facilitate realistic nursing practice.

Features

- Posture change
- Intramuscular injection
- Intravenous injection /Blood sampling
- Oral hygiene
- Gastrostomy care
- Central venous nutrition
- Stoma care
- Tracheotomy care
- Changing pajamas
- Transportation
- Bed bath
- Suctioning
- Urinary catheterization
- Nutrition (oral/nasal)
- Enema administration
- Manual disimpaction
- Intestine lavage/Gastric lavage
- Assisting excretion
- Restriction
- Fomentation
- Bandaging
- Shampoo



point!

The number of items that can be included for training have been increased.



Tracheal cannula



Gastrostomy



Special tape



Fixed joints

Specifications

Height	165cm
Weight	Approx. 17kg
Material	Silicone

Accessories



! "Veinmate" 2 (one unit) is included in New TOMOKO.



Simulated gastric fistula catheter

You can practice taping training by using this tape



Exclusive tape

A wide range of practices based on the nursing education program is possible.

New Tomoko is designed based on the nursing education program, using in various practical subjects is possible.

Trainees can acquire a wide range of skills essential in clinical practice, such as the basic nursing assistant skills to patient's daily living needs as well as care skills associated with catheter insertion.

Practice

Tracheotomy care



Suctioning



Gastrostomy care



Central venous nutrition



Nutrition (oral/nasal)



Intestine lavage/Gastric lavage



Urinary catheterization



Enema administration



Stoma care



Posture change



Oral hygiene



Intravenous injection



*Intravenous injection practice can be practice by using included "Veinmate" 2.

M102-1

Interchangeable with male genitalia model

Male Genitalia Model for
"New TOMOKO" (M102)

- Weight/0.5kg
- Accessories/Irrigator, Intestines

<Irrigator stand is sold separately>



M101-5

Storage bag for nursing doll
for one body

- Material/Nylon



Physical Assessment Doll TOMOKO Plus

- Accessories/ Tablet PC, Control box, Exclusive bedside monitor, Stethoscope, Exclusive sphygmomanometer, Exclusive electrodes with leads, Penlight, Exclusive pulse oximeter, Pajamas, Baby powder



Heart sounds and breathing sounds can be played back using a tablet PC.



Specifications

Height	160cm
Weight	26kg (Body 15kg, Accessories 11kg)

Feature

1 Starts up quickly just by turning ON the power. Display is clear with simple settings.

You can start training the moment that you turn the power ON from the special tablet. All training can be performed on the easy-to-use touch panel. There is absolutely no specialized equipment setup or complicated settings.



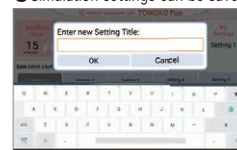
● Basic menu screen



● Detailed display screen



● Simulation settings can be saved



● Multiple languages available



2 Master the basics, covering 8 items in the physical assessment.

Features various symptoms that can be experienced in a medical setting, such as respiration and pupillary reflex. Facilitates training to ensure proper technique and accurate understanding of the patient's conditions during the assessment.

Check respiratory rate

<Setting> 7 levels ranging from 10-40 breaths/min



ECG

<Setting> 9 case examples



Learn pulse palpitation

<Setting> 12 levels ranging from 30-140 beats/min



Check breath sounds Auscultation of cardiac sounds

<Setting> 20 case examples



Check pupillary reflex

<Setting> 4 types



point! Checking breathing sound

Monitoring of heartbeat and breathing sounds can be output using a tablet. Monitoring and training can be carried out in groups. (Setting: 12 case examples)



Check pulse oximeter

<Setting> SpO2 80, 90 and 99%



Blood pressure measurement

<Setting> Range covers 80-200 for the systolic phase (upper) and 50-120 for the diastolic phase (lower)



"Musclemate" 2- Intramuscular Injection Simulator

●Weight/0.65kg ●Case size/W32×D11×H8cm ●Accessories/Drain bag, Belt, Storage case

Mastery of the hard-to-learn feeling of "depth"

- An all-skin model that has achieved unprecedented reality.
- Shows the correct or incorrect injection site including the depth with LED lamps.



Feature

Correct or incorrect is indicated with built-in lamps and a buzzer.



[Green lamp]

OK

The Green lamp is lit when the injection site and the depth are correct.



[Red and green lamps]

Error regarding the depth

Both the red and green lamps are flashed, and the buzzer goes on, when the injection site is correct but too deep.



[Red lamp]

Error regarding the site

The red light is flashed, and the buzzer goes on, when the injection site is incorrect.

*The light of the LED lamps is seen through the skin.

Preparation



Palpation



Pinching



Brachial I.M. injection



Subcutaneous injection



M182

Arm for Simulator

● Size/W60×D25×H23cm

*M182 can be used for M118-1, M148-3, M178, M181, M183, AM-1, AM-2



M181

Fit-on Intravenous Injection Trainer I.V. Pad

- Quantity/5 pieces/set
- Weight/Approx. 1.3kg (5 pieces)
- Case size/W45×D27×H10cm
- Accessories/Exchangeable blood vessel (normal) 10 pieces, Stick for exchange vessels 1 piece, Storage case

Easier and speedier training of injection and blood sampling!



Feature

Just two seconds to fit-on!

1 Open!



2 Wrap tightly!



Easy vessel change. Easy maintenance.

1 Connect



2 Pull out!



Fits better to arm



Palpation



Intravenous Injection



Insertion of indwelling needle Fixing with adhesive tape



The blood vessels can also be made to wind through the epidermis. A variety of different cases can be simulated.

Exchangeable parts

Two types of training is possible using blood vessels sold separately.



Exchangeable blood vessels (normal) 100pcs
Exchangeable blood vessels (narrow) 100pcs

< Stock solution for simulated blood 100cc (sold separately) >

M182

Arm for Simulator

●Size/W60×D25×H23cm

*M182 can be used for M118-1, M148-3, M178, M181, M183, AM-1, AM-2



M148-3

"Veinmate" 2- I.V. Injection Pad

- Quantity/5 pieces/set ●Weight/Approx. 0.7kg (5 pieces) ●Case size/W28×D22×H11cm
- Accessories/Irrigator, Belt, Storage case

Practices of different levels

- Makes possible practice closely simulating clinical situations in various patients.
- The epidermis is very close to that of a living body and leaves no needle mark even after countless practices.

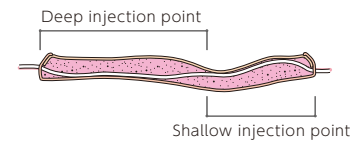


Feature

The feeling of the skin and vessels on palpation and needle insertion has been made closer to that in the human body.



- The vessels are arranged in meandering courses.



- The vessels pass different depths from close to the surface to deep areas.

Practice

Preparation



Palpation



Intravenous injection



Blood sampling



M117-8

Stock Solution for
Simulated blood
100 cc

M148-2

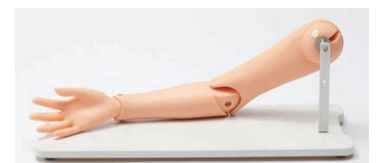
Irrigator

- Y connector included

M182

Arm for Simulator

- Size/W60×D25×H23cm



*M182 can be used for M118-1, M148-3, M178, M181, M183, AM-1, AM-2

"Buttockmate" - Intramuscular Injection Simulator

●Weight/Approx. 2kg ●Case size/W50×D35×H15cm ●Accessories/Belt, Drain bag, Transparent package, Storage case

Practice gluteus injection skill by palpation. (*Shibusanbu** method)

*Upper Outer quadrant of Buttocks



The skin is made of special material with no trace of needle marks.

- Students can train in pair playing the role of nurse and patient alternately, and this wearing type enables to compare with real body.
- As ilium crista, greater trochanter and iliac spine are built in, confirmation and practice for gluteus injection skill by palpation available.
- Touch of skin and frame that are very close to living body contribute greatly to learn gluteus injection skill.
- The flashing red light and the buzzer warn in case of miss injection to incorrect point or too deep injection though done to correct point. The green light turns on incase of correct point.
- The surface is so similar to the real skin for its specific process that no needle mark remains though repeatedly used.

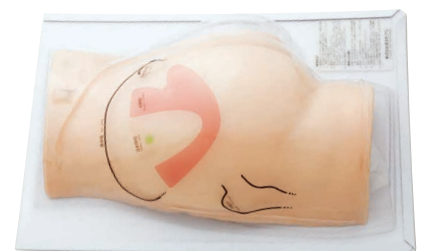
Practice



By palpation, injection training to correct site is possible.



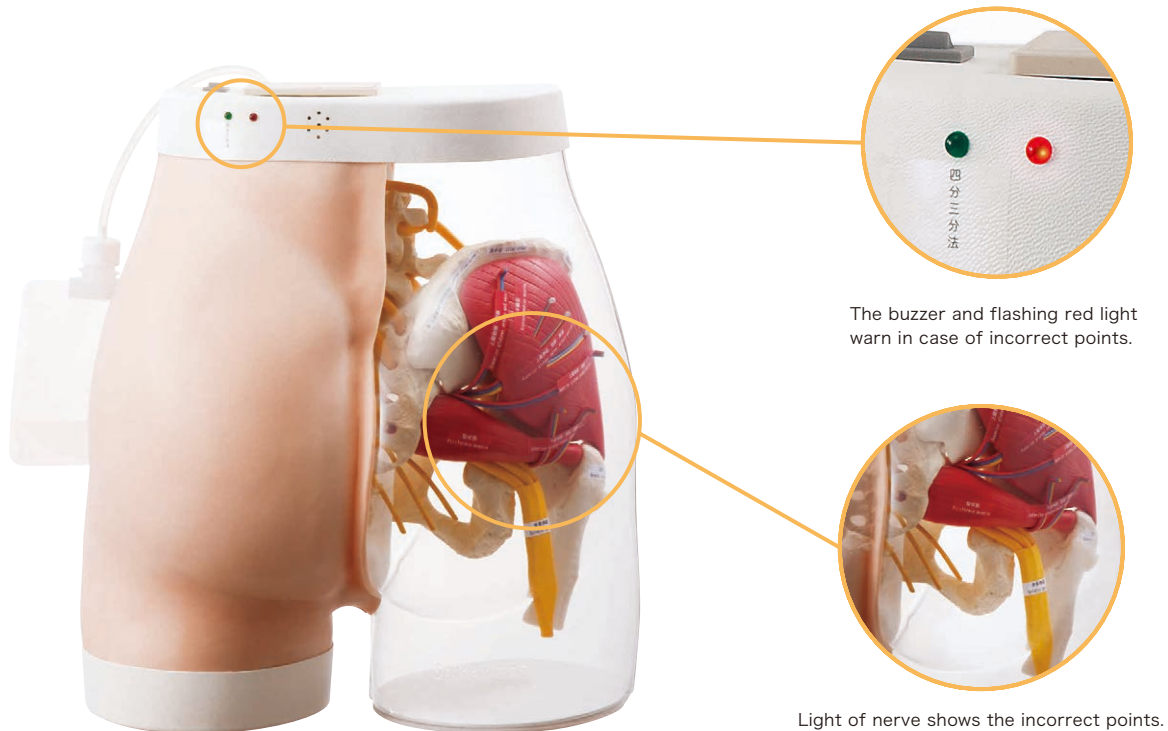
Water (only tap water) can be infused.



A diagram of the area appears on the storage package. In addition, a single person can do training alone using the package.

Intramuscular Injection Model of Buttocks

- Weight/Approx. 7kg ● Case size/W41×D47×H36cm
- Accessories/Drain bag, Storage case

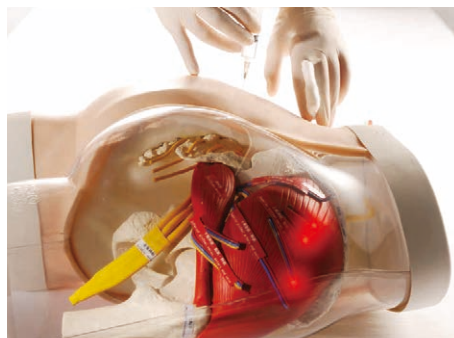


Practice of *Shibusanbu** method

- The pelvis is built-in. Trainees can practice identifying the injection site by palpation of the iliac crest and greater trochanter.
- The green light turns on when a needle is inserted into a safe region. The red light turns on and a warning buzzer sounds when the injection site is incorrect or the insertion is too deep, even at a safe point.
- The water (only tap water) can be infused.

*Upper Outer quadrant of Buttocks

Practice

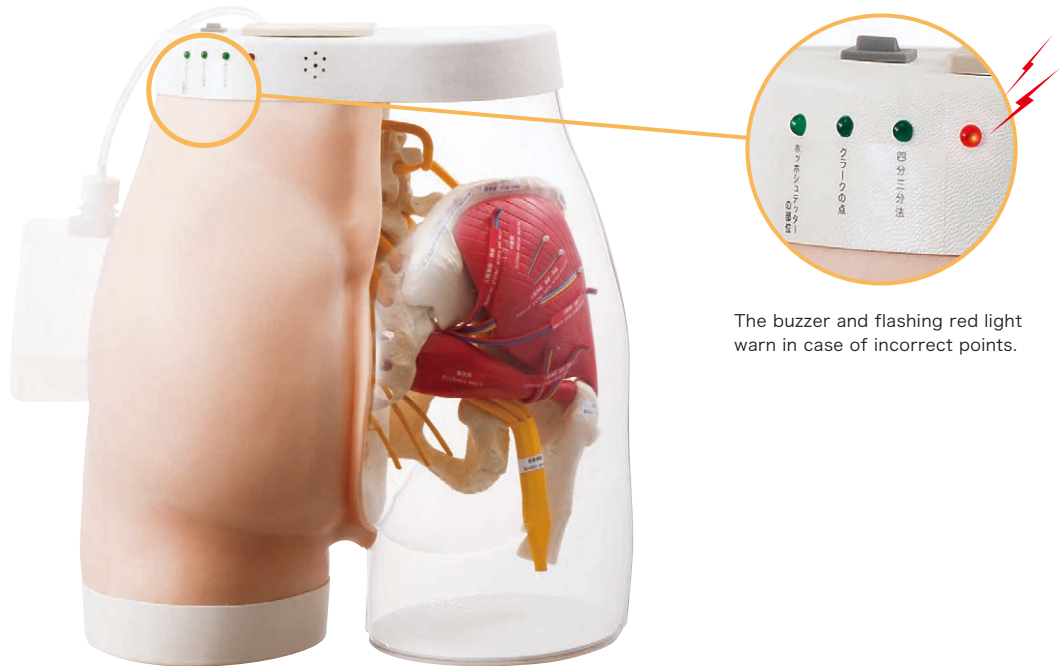


Injection training to correct injection sites is possible.

M152-1

Intramuscular Injection Model of Buttocks Type 2

- Weight/Approx. 7kg ● Case size/W41×D47×H36cm
- Accessories/Drain bag, Stands for Placing the model in a lateral position, Storage case



The buzzer and flashing red light warn in case of incorrect points.

Practice of 3 injection sites

Dorsogluteal site and Clarke's points and Ventrogluteal site are established in the model.

Practice



Injection training to correct injection sites is possible.



Water (only tap water) can be infused.

Transparent Female Catheter Model Transparent Male Catheter Model

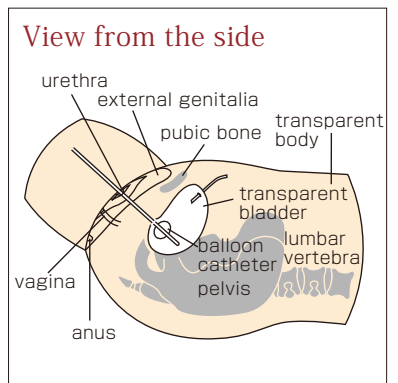
- Weight/Approx. 8.5kg ●Case size/W58×D46×H29cm
- Accessories/Bottle (1L), Bottle stand, balloon catheter 16Fr, Nelaton catheter 8EG, Lubricant oil, Baby powder, Storage case

Transparent hypogastrium, inside of bladder observable



Feature

- The external genitalia is made true to nature. You can open the nympha, and the mucous plica etc. are very similar to the real thing
- It is made so that you cannot find the urethra without opening the nympha.
- You can learn while observing balloon catheter insertion skills and indwelling conditions. You can learn actual resistance and pressure. (Always use a lubricant when inserting catheter.)
- The pelvis is built-in. You can practice learning the catheter angle according to the bladder's position.



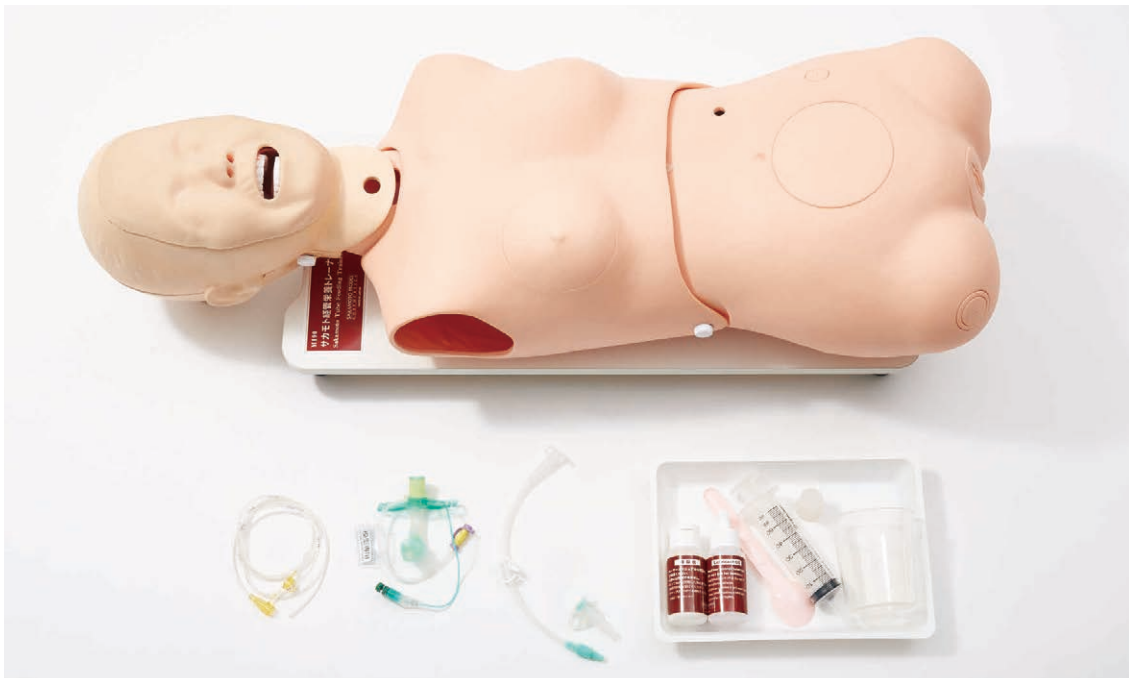
M190

Sakamoto Tube Feeding Trainer 2

●Weight/Approx. 10kg ●Case size/W92×D35×H30cm

●Accessories/ Tube feeding Catheter, Catheter tip type syringe, Simulated gastric fistula catheter, Simulated tracheal cannula, Stoma button, Lubricant, Pseudo sputa, Container for mixing pseudo sputa, Muddler for mixing pseudo sputa, Silicon cap, Tray, Storage case

Training possible both Tube feeding and Suction!



Feature

- 1 It can be set to the appropriate position, such as semi-sitting position.

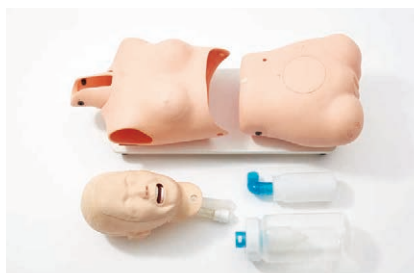


- 2 Using xiphoid process mark as indicator, the length of insertion of the catheter can be measured.



- 3 Easy maintenance!

Cover of body, tanks are easily removable, cleansing of tank with water is possible. Head part is also removable, more careful cleansing is possible.

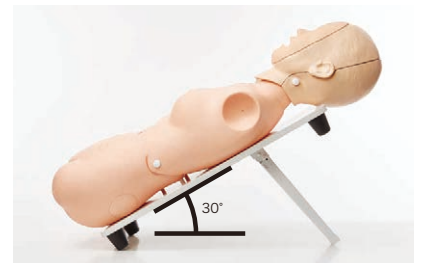


1 Insertion of catheter

Nasal (both available)/oral catheter insertion is possible.

point!

Soft texture makes training even more realistic!



2 Confirmation of reaching of catheter

Reaching of the catheter into the stomach can be confirmed by suctioning gastric juice (water) or auscultating bubble sound after inject air with a syringe.



Stethoscope is not included.

3 Care of the wearer of the gastric fistula

It is possible to practice caring of the wearer of gastric fistula. Actual nutrient can be injected.



4 Suction

In addition to the suctioning associated to the tube feeding, simple suction function in the intubation tube and tracheal cannula is possible.



Cannula, suction tube are not included.

M190-1

Head Part of M190 for Suction

●Accessories/ Pseudo sputa, Container for mixing pseudo sputa, Muddler for mixing pseudo sputa, Catheter tip type syringe, Silicon cap, Tray, Lubricant



M167

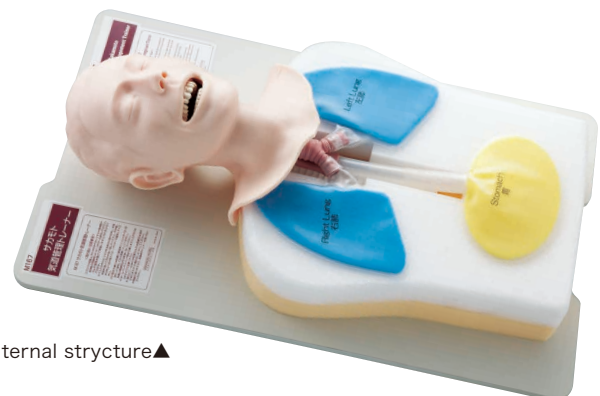
Sakamoto Airway Management Trainer

- Weight/Approx. 11kg ●Case size/ W83×D50×H28cm
- Accessories/ Front teeth (3 sets) , Lubricant oil, Baby powder, Storage case

A model with anatomical reality
Suitable for practical training of tracheal intubation.



The closeness to a real living body,
Makes realistic training possible
The position of the pharynx, larynx, and epiglottis in relation to the cervical vertebra, and anatomical elements such as the axis of the oral cavity "pharynx" larynx have been taken into consideration. Not only durability, but also the delicacy of the human body has been considered, making it close to a real living body. Parts of the model are purposefully made to be damaged if handled roughly.



Internal strycture▲

1 Realistic practice possible



- It is possible to acquire the skill of both oral and nasal tracheal intubation.
- It is possible to acquire the skill of supraglottic airway device (such as Laryngeal mask airway, the esophageal gastric tube airway).
- The tongue, epiglottis and the pharynx Epharynx have been reproduced such as a real living body.
- Because the tongue and mouth are soft, usage of laryngoscope and training in securing the airway can be done in a manner close to a living body.

2 Damage of front teeth



When using a laryngoscope, if pressure is put, using the teeth as a fulcrum, in a mistaken manner, the front teeth (upper four) are made to break. (The front teeth are exchangeable.)

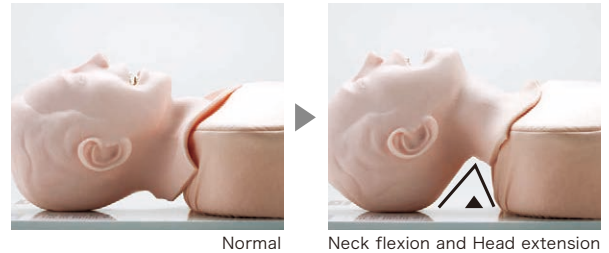
3 Confirmation of left and right air sound possible



- Can confirm one-lung ventilation.
- Can confirm accidental esophageal intubation

Same movement as the human body reproduced

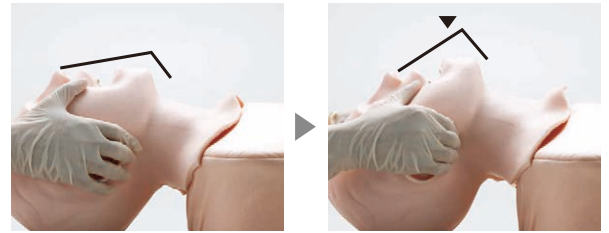
Neck flexion and Head extension



Normal

Neck flexion and Head extension

Advancement of the mandible



Advancement of the mandible

Confirmation of mistakenly intubated air possible



When correctly intubated and ventilated, you can confirm the left and right chests rise.



When intubated are ventilated one lung, you can confirm the error, as only one side will rise.



When the tracheal tube has been mistakenly intubated into the esophagus and air is sent, the abdomen will rise, making it possible to confirm the error (stomach inflation).

Exchangeable parts

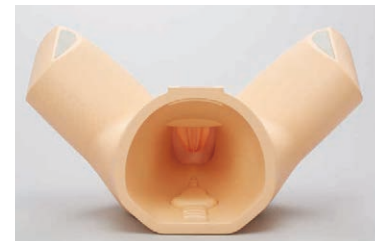
Exchangeable part (front teeth) 3sets/one set

M184

Sakamoto Obstetric Assistant Trainer

- Weight/Approx. 10kg ●Case size/W75×D37×H53cm
- Accessories/External genitalia (skin color/transparent), Fetus (Delivery), Lubricant oil, Baby powder, Strage case

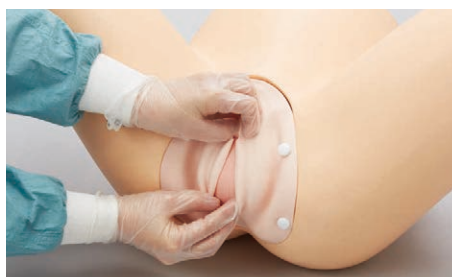
Transparent external genitalia make it possible to discern the status of fetal head.



Feature

1 Two types of external genitalia (skin color/transparent)

Can see the status of fetal head through the transparent genitalia.



2 Two types of posture

Supine position, all fours possible.

1 Obstetric assist

- Protection of the perineum



- Crowning



- Delivery of anterior shoulder



2 Can check placenta/amnion.



4 Umbilical ligation and umbilical cord cutting

Forceps can now be used as well.



▲Hemostatis using forceps



▲Umbilical cord cutting

3 Two types of posture

Supine position, all fours possible



▲All fours (Knee-chest position)

Exchangeable parts

Exchangeable genitalia (skin color)
Exchangeable genitalia (transparent)
Exchangeable umbilical cord (10 pieces/set)

Aged Simulation Suit 2

M176-6 Aged Simulation Suit 2 S size

M176-7 Aged Simulation Suit 2 M size

M176-8 Aged Simulation Suit 2 L size

M176-9 Aged Simulation Suit 2 LL size

●Weight/Approx. 7kg ●Accessories/Special goggles (1 pair) , Ear plugs (40 pieces) ,
Gloves (10 pairs) , Weights ankle (4 pieces) , Weights wrist (4 pieces) ,
Cane (1 piece) , Belt cover (100 pieces) , Storage bag (1 piece)

Easy to put on and take off,
ensuring smooth practice

point!

Step-limiting belt added!

《Renewal point!》

Characteristics of the elderly, such as step limiting, knee flexion and stooping, can be simulated. The movement of an elderly person's knee can be more accurately reproduced.

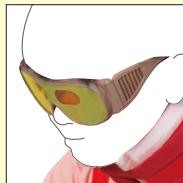


point!

Renewal of goggles!

《Renewal point!》

The goggles have been changed to a glass type, to eliminate the discomfort which many people felt during use.



Feature

1 Fit-on



It takes only about 3 minutes to put on the suit. This body suit type gear worn like overalls allows students to experience restrictions in physical functions with little loss of time.

2 Adjustment



- ① The angle of hip flexion is adjusted.
- ② The motion ranges of parts of the body can be adjusted.

The movable range and bendability of the hips can be freely adjusted. Characteristics of the elderly such as stooped backs can be simulated by changing the balance between the lengths of the left and right belts.

3 Restriction Belt



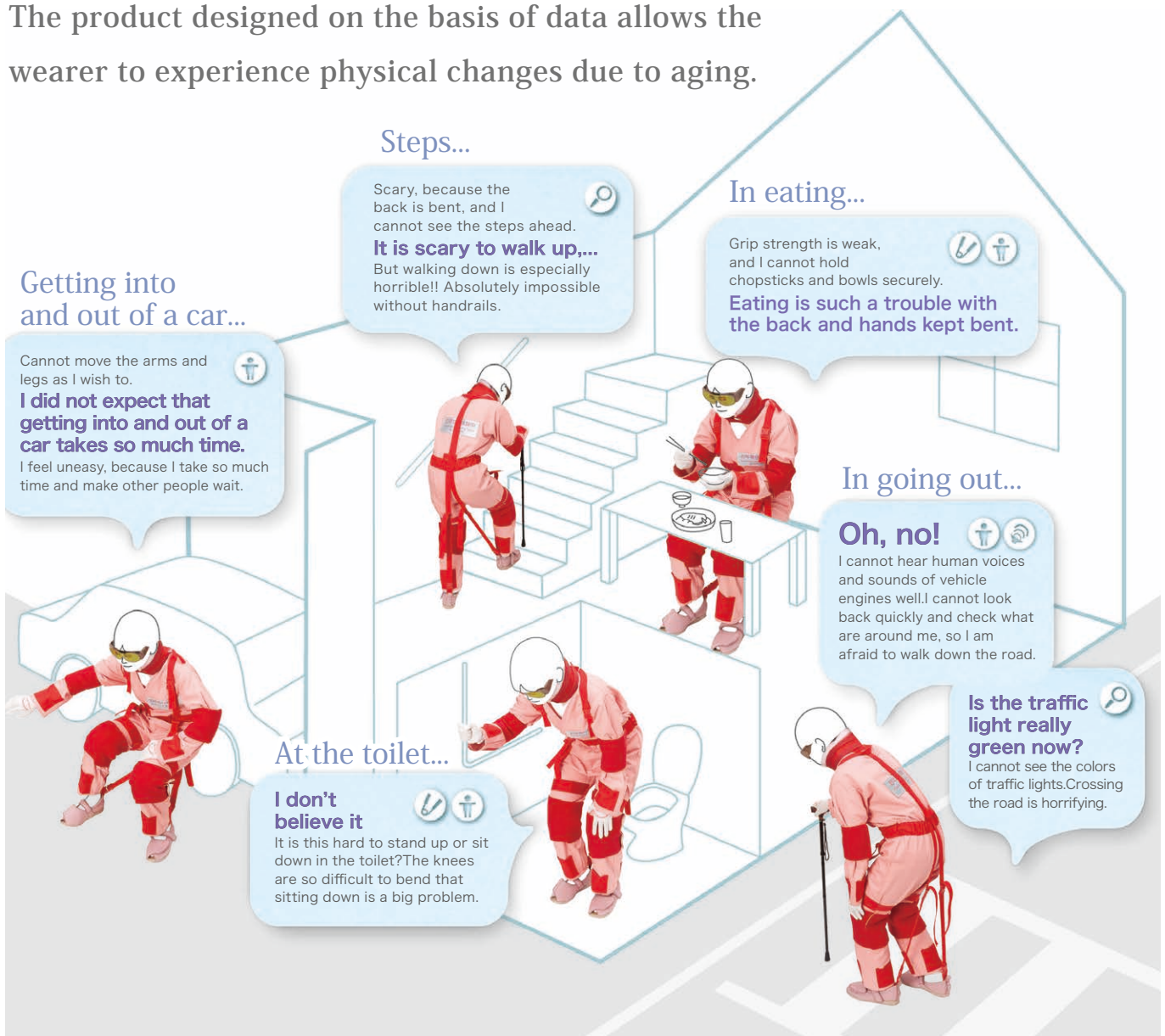
Neck restriction belt

Elbow restriction belt

Knee restriction belt

Newly developed neck/elbow/knee control belts restrict motion ranges. The wearer can experience the fear of not being able to promptly cope with danger.

The product designed on the basis of data allows the wearer to experience physical changes due to aging.



Vision



Hearing



Grip strength



Physical abilities

Specifications

S size	Recommended stature	145cm-155cm
	Weights	200g arm weights (4 pieces), 400g leg weights (4 pieces)
	Body color	Green
M size	Recommended stature	155cm-165cm
	Weights	200g arm weights (4 pieces), 400g leg weights (4 pieces)
	Body color	Pink
L size	Recommended stature	165cm-175cm
	Weights	250g arm weights (4 pieces), 500g leg weights (4 pieces)
	Body color	Blue
LL size	Recommended stature	175cm-185cm
	Weights	300g arm weights (4 pieces), 600g leg weights (4 pieces)
	Body color	Green

Exchangeable parts

Ear plugs 20 pieces
Gloves 10 pairs
Belt cover 100 pieces

M193-1

Training phantom for ultrasonic observation of tissue damage DTI Training Set

- Main body unit weight: 1.7 kg
- Main unit parts
 - 【Sacral blocks】Qty.: 5 pcs./set Weight: 6.5kg Size: W18×D16×H5.5cm
 - 【Greater trochanter blocks】Qty.: 5 pcs./set Weight: 4.2kg Size: W16×D15×H5.5cm
- Accessories: Baby powder

Training to understand a variety of different bed sore types at two points where DTI can easily occur



M193-2

Training phantom for ultrasonic observation of tissue damage Basic Set

- Main body unit weight: 1.7 kg
- Main unit parts:
 - Qty.: Sacral block (normal) ×1, greater trochanter block (normal) ×1,
 - Total weight: 2.2kg
- Accessories: Baby powder



1 Checking the area

Lateral position for the greater trochanter region, and prone position for the sacral region. It is possible to carry out confirmation training for areas where bed sores can easily occur.

Greater trochanter region



Sacral region



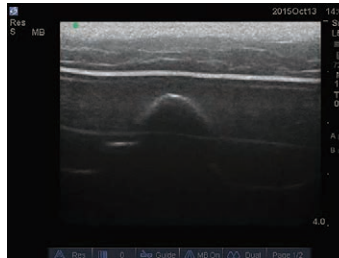
2 Extraction of minor axis and major axis

It is possible to project the optimum images from the minor axis and major axis and all other directions.

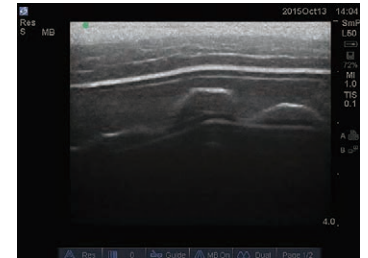
Gel can also be used.



Minor axis

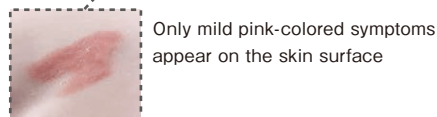
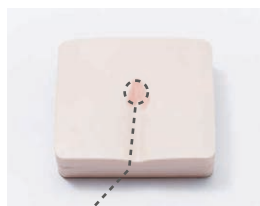


Major axis

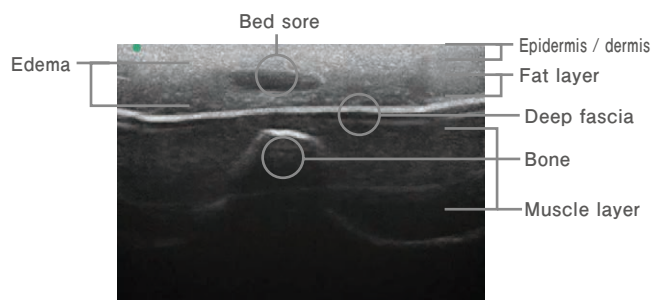
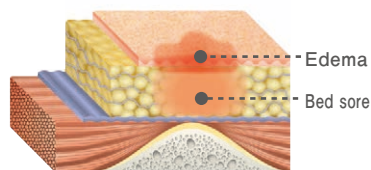


3 Training for observation of symptoms for the following four typical patterns at the sacral region and greater trochanter region can be carried out.

Mild bed sore: edema and hypoechoic areas



Only mild pink-colored symptoms appear on the skin surface



Observing features such as loss of superficial fascia, localized areas of low brightness, and the location and depth of abnormal findings make it possible to confirm mild bed sore at category/stage I to II.

Moderate bed sore (edema and abscess)

At category/stage II, but doubtful if the DTI is severe

Severe bed sore (edema and cobblestone-type abscess)

Injury is difficult to identify from the skin surface, but symptoms are of severe DTI. Category/stage III type.

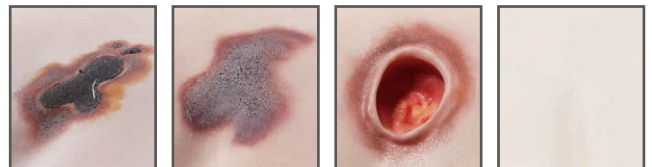
Bed sore forming a pocket

Category/stage IV type, and pocket can be observed expanding all the way around.

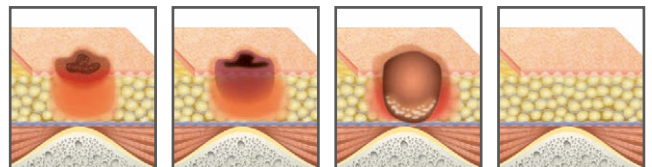
Normal

Normal fat layer, deep fascia and muscle layer with no observable loss of superficial fascia or rupturing

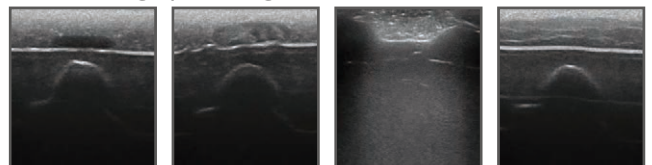
○ Bed sore



○ Internal image



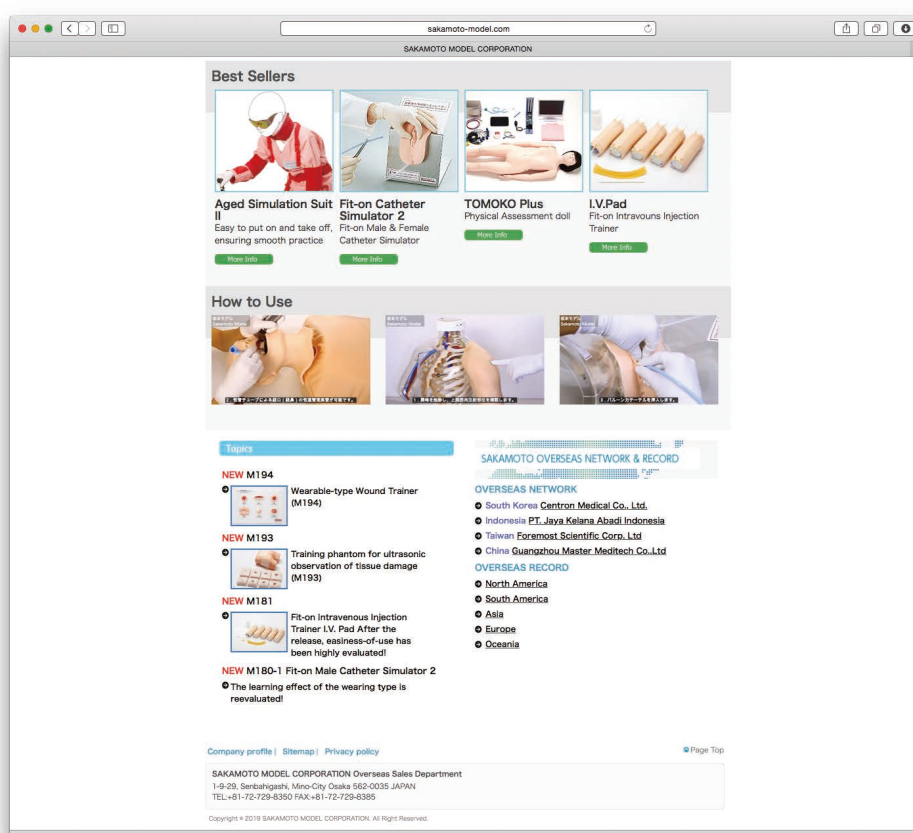
○ Ultrasonographic image



information

Sakamoto Model WEB SITE

Please visit the web site below for products
other than printed (book) catalogs.



web site

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<http://www.sakamoto-model.co.jp/>

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<http://www.sakamoto-model.com/>

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