Vaginal Delivery Assistance Simulator has been developed for advancing the skills in Midwifery, and facilitates the training in Vaginal Delivery Assistance.

**Features**
- The material of genitalia skin excels in elasticity, durability and resilience, and offers life-like realistic training skills from perineal protection to expulsion of fetus and placenta.
- It facilitate acquiring of skills based on the anatomical knowledge by observing the location of anatomically correct vaginal canal, ischia spine, pubic joint and pelvis.

**Training Skills**
- Delivery assistance for different delivery positions (dorsal, all-fours)
- Perineal protection, anal sphincter protection
- Delivery of fetus (forceps delivery, vacuum extraction)
- Clamping, tying and cutting of the umbilical cord
- Delivery of placenta
- Inspection of velamen
- Procedure of urinary catheterization

**Read before use**
Do not use this simulator for the other purpose. The manufacturer cannot be held responsible for any accident or damage resulting from any other use, or any use not in accordance with the enclosed instructions.

※ The new soft resin is employed for one of materials, which excels in elasticity, durability and resilience. The proper use and storage are required in accordance with the cautions in P.3 of this manual.
Set Includes/ Precautions

Set Includes

Before you start, ensure that you have all components listed below.

- maternal body 1
- genitalia unit 1
- fetus 1
- placenta 1
- umbilical cord 1
- umbilical cords for omphalotomy 3
- velamen sheet 5
- lubricant (150 lm) 3
- talcum powder 1
- vat 1
- Instruction manual

Set Includes

DO’ s and DON’ Ts

- **Handle the manikin and the components with care.**
  Be sure not to drop or add shock to the manikin and its components, since the product uses special resins and heavy, such shock may cause damage to the products or environment.

- **Storage in a dark, cool and dry space will help prevent the skin colors from fading and product from deforming.**

- **The manikin skin may be cleaned with a wet cloth if necessary, using mildly soapy water or diluted detergent.**

- **Do not let ink from pens, newspapers, this manual or other sources 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.**

- **Even if color on its surface might be changed across the ages, this does not affect the quality of its performance.**
Storage and Handling of Genitalia Unit, Placenta, and Umbilical cords for omphalotony.

PLEASE READ:

■ Always follow the handling and storage instruction below, to keep the material with its elasticity and durability.

○ AFTER USE
Apply talcum powder on the parts below, cover them with included storage bag or in a vat.

○ Do not hold the placenta by holding an umbilical cord.

The placenta is to be stucked firmly on the flat place. Hold the placenta itself to move it to the other place.

○ Do not let the parts contact with other resin items and printed materials.

These soft material of the parts may be deformed by contact with other resin items and marked by contact with printed material and they cannot be repaired.

○ Maintain proper temperature, humidity and avoid direct sunlight of the storage room of simulators.

Be sure to monitor the indication sticker on the storage box of the product.

Store the simulator below 60 degrees C.

Change the storage place immediately when the temperature indicator shows color circles as below.

※The color circles are irreversible.

<table>
<thead>
<tr>
<th>Before turned</th>
<th>After turned</th>
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<tbody>
<tr>
<td>3F60 年 月貼付</td>
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<td>60 65 70</td>
<td>60 65 70</td>
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</table>
Setting up the Fetus

1. Setting up the Fetus
Prepare the fetus, placenta, umbilical cord, umbilical cords for omphalotomy, velamen sheet, vat and lubricant.

2. Take out the placenta from the storage bag to attach umbilical cord. Connect the screw side of umbilical cord to the placenta and turn it clockwise to fix.

3. Insert the umbilical cord into the hole located at the center of the velamen sheet.

4. Take out the umbilical cord for omphalotomy from the storage bag. Reverse the tip of it to show the hook, and engage it to the hook at the umbilical cord from the placenta.
5. Loosen the white screw to remove the plate on the fetal abdomen, and take out the clip from there.

6. Pinch the tip of umbilical cords for omphalotomy with the clip. Put it back to the fetal abdomen, and fix umbilical cords for omphalotomy to the abdomen by the plate with the white screw.

※Place the clip in the direction shown in the above picture.

7. Fetus is ready for training.
**Lubrication**

Before training, apply lubricant to the genitalia unit, placenta, and umbilical cords for omphalotomy completely.

1. Put the assembled fetus in the vat included in the set. Apply lubricant to it entirely including the velamen sheet and the placenta.

2. Apply lubricant to the internal surface of the genitalia unit, too.

※ The genitalia unit can be lubricated after attaching to the maternal body.

**Assembly of the Maternal Body**

1. Remove the abdominal cover from the body. The abdominal cover and body are attached with four magnets. The abdominal cover can be removed it by lifting.
Assembly of the Maternal Body

2. Attach two nails of genitalia unit to two pits located under part of maternal body, and push on the top of the unit to fix.

* Be careful not to pinch your finger between the maternal body and the genitalia unit.

3. Put back the abdominal cover to the maternal body, and set the fetus in it to complete set-up.

* Always put the placenta on the vat during the training.
Training can be conducted in two birth positions: dorsal and all-fours position.

**Key Features**

- Direct observation of the motion of fetus in delivery to understand the spatial relationship between pelvis and fetus.
- Genitalia unit has excellent elasticity and resilience and birth canal is optimal size for the fetus, which allows to deliver the fetus by a little pushing force holding the handle lightly.
- Pelvis has pubic symphysis and ischial spines, which facilitates understanding of the spatial relationship between pelvis and fetus.

Station zero, the line that connect ischial spines can be recognized.
Training Skills

- Perineal protection
- Delivery assistance
- Delivery of fetus
- Clamping, tying and cutting of umbilical cord
- Delivery of placenta
- Inspection of velamen and placenta
After Training

☐ Remove the genitalia unit

1. Lift the abdominal cover to remove it from the maternal body.

2. Pull back the top of the genitalia unit frame to remove from the body.

☐ Disassembling the fetus

1. Disengage the umbilical cord and placenta in reverse order of set-up. (See P.4-P.5)

☐ Cleaning and storage

1. Wipe the lubricant left on the fetus, umbilical cord, placenta and genitalia unit away with wet paper tissue. If necessary, wash them by tap water, and dry them well naturally. After completely dried the components, apply talcum powder to each of them.

2. Genitalia unit, placenta and umbilical cord for omphalotomy are made of special soft resin. It is required to store them either in the storage bag or on the vat after training.

※If these parts are stored touching with other resin products or printed matter, the dent or ink might be left on the skin, and will become irremovable.
## Replacement Parts

<table>
<thead>
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<th>Code</th>
<th>Name</th>
<th>Code</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>11415-030</td>
<td>genitalia unit (for pelvic examination and delivery assistance)</td>
<td>11416-030</td>
<td>10 umbilical cords for omphalotomy</td>
</tr>
<tr>
<td>11416-010</td>
<td>fetus</td>
<td>11416-040</td>
<td>5 velamen sheets</td>
</tr>
<tr>
<td>11416-020</td>
<td>placenta</td>
<td>11415-020</td>
<td>3 lubricant (150ml)</td>
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</tbody>
</table>

## Optional Parts

<table>
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<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>11417-020</td>
<td>genitalia unit (for perineorrhaphy)</td>
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</tbody>
</table>

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

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No part of this instruction manual may be reproduced or transmitted in any form without permission from the manufacturer.

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.

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