



Obstetric Examination Simulator is a true-to-life representation of a 39-40 week's pregnancy torso, that allows training in fundamental examination skills for prenatal checkup including palpation, fetal heart auscultation, and abdominal measurements.

Features

1. Soft and elastic tissue material that provides true-to-life sensation of palpation
2. Anatomically correct pelvis and fetus
3. A variety of fetal position, orientation and lie with one fetal unit
4. Authentic fetal heart sounds recorded from a real fetus

Training Skills

Auscultation

- Sounds recorded by Doppler stethoscope
 - Umbilical blood flow
 - Umbilical blood flow and fetal heart sounds (posterior and anterior)
 - Fetal heart sounds
- *Auscultation using a Doppler stethoscope is not possible.
- Sounds recorded through a conventional stethoscope

Palpation

- Leopold's maneuvers
- CPD assessment (Seitz method)

Measurement

- Maternal abdominal girth
- Fundal height
- External pelvimetry

Auscultation

(fetal heart sounds)

Sounds recorded by Doppler and conventional stethoscope are prepared for training. Sounds are controlled wirelessly by the remote control, including selection of sounds, volume and heart rate setting as well as switching between internal and external speakers.



Auscultation with a Pinard stethoscope

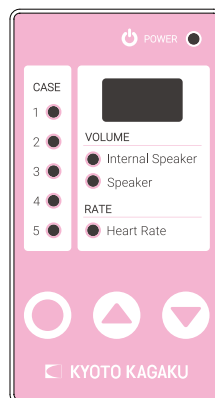


Auscultation with a conventional stethoscope

Remote control

- Five variations of sounds
 - ▶ Sounds recorded by conventional stethoscope
 - Fetal heart sounds
 - ▶ Sounds recorded by Doppler stethoscope
 - Fetal heart sounds
 - Umbilical blood flow
 - Umbilical blood flow with fetal heart sounds (posterior and anterior)
- *Auscultation using a Doppler stethoscope is not possible.

- Volume control
- Control of fetal heart rate (60-180)
- Switching between internal and external speakers



* A Pinard stethoscope and a conventional stethoscope are not included.

Palpation

(Leopold's maneuvers, CPD assessment)

Anatomically correct landmarks of pelvis and the fetus. The innovative tissue material provides realistic tactile feeling. The fetal unit allows various fetal lie, presentation and position and offers training opportunity of CPD assessment with Seitz method.

Leopold's maneuvers

Palpate parts of the fetus such as head, buttocks and the trunk through the steps from the first to the fourth maneuvers to assess fetal lie, presentation and position as well as degree of fetal descent.



First maneuver



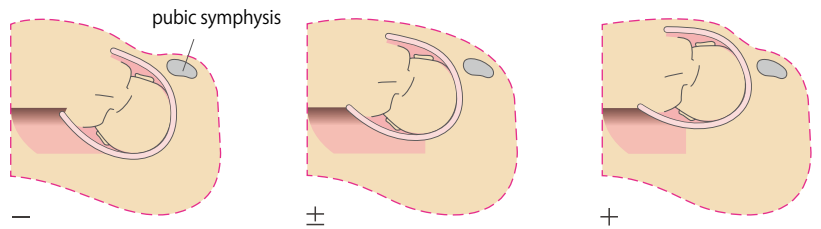
Fourth maneuver

CPD assessment (Seitz method)

Height of fetal head against the pubic symphysis can be changed by rotating the fetal unit to prepare different scenario for CPD assessment (Seitz method).



CPD assessment (Seitz method)



Measurements

(maternal abdominal girth, fundal height, external pelvimetry)

Maternal body measurement to estimate fetal weight, development and change in the volume of amniotic fluid can be performed on the manikin. Anatomically correct landmarks include pubic symphysis, navel, xiphoid process, iliac crest, and the greater trochanters.

Maternal abdominal girth



Fundal height



A variety of external pelvimetry



Distantia spinarum
(distance measured between iliac spines)



Distantia cristarum
(distance measured between the prominent points of iliac bones)



Distantia trochanterica
(distance between the prominent parts of trochanter major)



External oblique diameter

* Measuring instruments are not included.

Specifications :

Set Includes:	Manikin Size:	Power:	Replacement parts:
1 pregnancy torso	Size:	AC100-240V (main unit)	(11414-000)
1 AC adaptor	W30 x D 60 x H30 cm	Power Consumption: 1W	Skin cover for MW34
1 remote control	Weight:	Materials	
1 talcum powder	11.2 kg	Soft resin, hard plastic	
1 instruction manual			