

PRODUCT CATALOG

Simulators, Ultrasound Phantoms and Anatomical Models

SU-2b

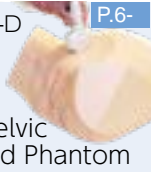


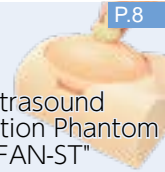
PRODUCT CATALOG SU-2b

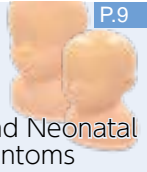
PRODUCT CATALOG SU-2b

CONTENTS

Obstetrics / Neonatal / Pediatric / Gynecology

US-10,10A-D P.6-

 Female Pelvic Ultrasound Phantom

US-7 α P.8

 Fetus Ultrasound Examination Phantom "SPACE FAN-ST"

US-14a/b P.9

 Ultrasound Neonatal Head Phantoms

US-13 P.10

 Infant Hip Sonography Training Phantom

US-8 P.11


 Pediatric FAST/Acute Abdomen Phantom

US-6 P.12

 Breast Ultrasound Examination Phantom "BREAST FAN"

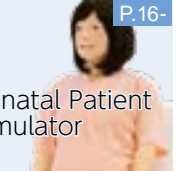
US-9 P.13

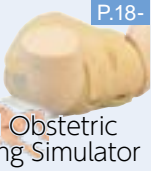
 Ultrasound-Guided Breast Biopsy Phantom

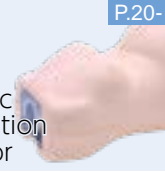
M44 P.14

 Visual-Tactile Breast Examination Simulator

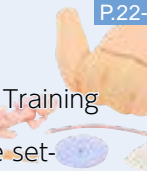
M71 P.14

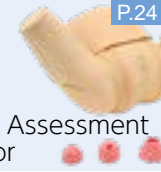
 Breast Self-Examination Model - body-worn type -

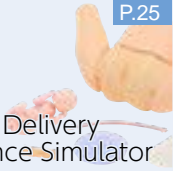
MW48 P.16-

 Full Perinatal Patient Care Simulator "Hana"


MW65 P.18-

 Advanced Obstetric and Birthing Simulator

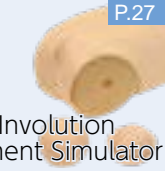
MW34 P.20-

 Obstetric Examination Simulator

MW40 P.22-

 Obstetric Training Simulator -complete set-

MW35 P.24

 Cervical Assessment Simulator

MW36 P.25

 Vaginal Delivery Assistance Simulator

MW37 P.26

 Perineorrhaphy Simulator


MW38 P.27

 Uterine Involution Assessment Simulator

MW32 P.28

 NCPR Simulator


MW21B P.29

 NCPR Simulator Plus II

MW33 P.29

 ELBW Infant Simulator


M59/M63 P.30

 Newborn Bathing and Nursery Care Model

M58 P.30

 Newborn Vital Signs Examination Simulator

M86 P.31

 Pediatric Patient Care Model (5-6 years old)

M73 P.31

 Pediatric Patient Care Model (7-10 months)

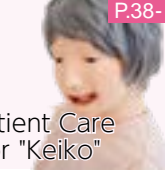
M56B P.32

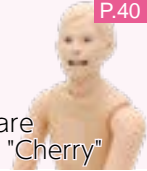
 Pediatric Patient Care Simulator


Patient Care


MW25 P.36-


 Patient Care Simulator "Yaye"

MW26 P.38-

 Basic Patient Care Simulator "Keiko"

MW22 P.40

 Patient Care Simulator "Cherry"

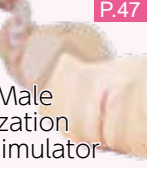
M72 P.41

 Bathing and In-patient Care Simulator (Male)

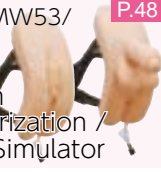
M85 P.42

 Airway Suction Trainer

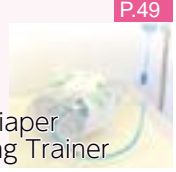
MW8 P.43

 Tube Feeding Simulator (NG, OG and PEG)

MW58/MW59/MW59 P.46

 Male/Female Suprapubic Catheter Care Simulator


MW52/MW2A P.47

 Female/ Male Catheterization /Enema Simulator


MW54/MW53/MW55 P.48

 Strap-on Catheterization / Enema Simulator

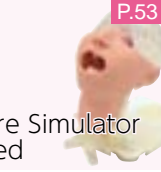
MW23 P.49

 Adult Diaper Changing Trainer

M66 P.50

 Medical Foot Care Simulator

MW1 P.50

 Pitting Edema Simulator


MW63 P.51

 Pressure Sores Simulator

MW29 P.53

 Oral Care Simulator Advanced

M93B P.93

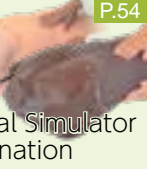
 Introductory Ultrasound Training Block "REAL VESSEL"


Physical Examination

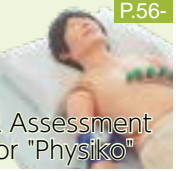
MW57 P.34

 Pediatric Lung Sound Auscultation Trainer


MW7B P.52

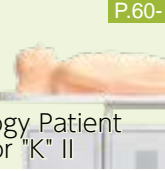
 Blood Pressure Measurement Trainer II

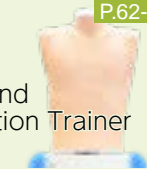
MW43 P.54

 Abdominal Simulator for Examination


MW30 P.55

 Head and Neck Palpation Trainer


M55 P.56-

 Physical Assessment Simulator "Physiko"

M55B/C P.58-

 Physical Assessment Simulator "Physiko" Plus

MW10 P.60-

 Cardiology Patient Simulator "K" II

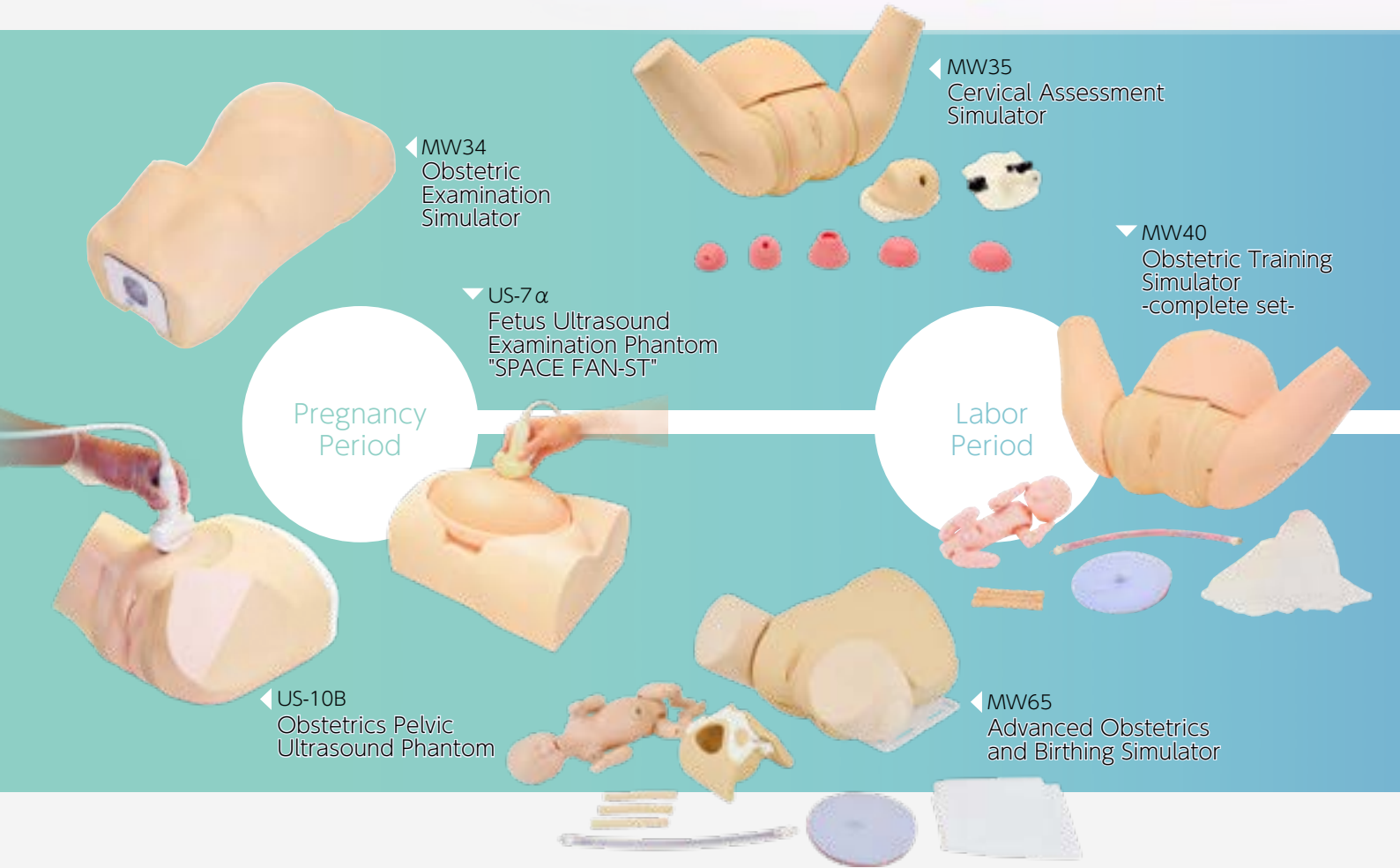
MW28 P.62-

 Lung Sound Auscultation Trainer "LSAT" II

MW12 P.64

 EAR Examination Simulator II

M82/M82A P.65

 EYE Examination Simulator

MW45 Nasopharyngeal Swab Collection Simulator P.66	M92 Digital Rectal Examination Simulator P.67	M53B Prostate Examination Simulator P.67	MW20 Prostate and Rectal Simulator P.68	US-11 Scrotal Ultrasound Phantom P.69	Physical Examination	
MW24 3D Colonoscope Training Simulator NKS P.70	M40 Colonoscope Training Simulator P.71	US-1B Ultrasound Examination Training Phantom "ABDFAN" P.72	US-1 Ultrasound Examination Training Phantom "ECHOZY" P.73			
M95 Simulator Pediatric IV Hand P.33	M43D Pediatric Lumbar Puncture Simulator II P.33	M99 Arterial Puncture Training Wrist P.76	MW18 Ultrasound-Guided PICC Training Simulator P.77	M93UB CVC Insertion Simulator II P.78		
M93C CVC Insertion Simulator III P.79	MW4/MW4A/MW15/MW17 Ultrasound-Guided Thoracentesis/Pericardiocentesis Simulators P.80-	M74 Gluteus Maximus Injection Simulator P.82	M67C Strap-on Intramuscular Injection Trainer P.83	MW64 Vaccination Training Set P.83		
M43B/M43B-B Lumbar Puncture Simulator IIA P.84	M43E Ultrasound Compatible Lumbar Puncture/Epidural Simulator P.85	MW3 Epidural Anesthesia Simulator P.86	MW49 Simulator Intravenous ARM III P.87	MW50 Strap-on Venipuncture Simulator P.88		
M94 Intradermal Injection Training Simulator P.88	MW9 Peripheral Venous Catheter Placement Simulator P.89					
US-3 Abdominal Intraoperative & Laparoscopic Ultrasound Phantom "IOUSFAN" P.75	MW16 Laparoscopic Suture Simulator -Assessment System- P.90-	MW56 Laparoscopic Suture Simulator LaparoCube P.92	M57B Suture Evaluation Simulator P.93	M83 Suture Practice Trainers -Full set- P.94		Clinical Skills -Injection/Puncture-
MW60 Tracheostomy Simulator P.66	US-5 FAST/ Acute Abdomen Phantom "FAST/ER FAN" P.95	MW11 Difficult Airway Management Simulator -Assessment System- P.96-	MW13 Difficult Airway Management Simulator -Training Model- P.98	MW14 Difficult Airway Management Simulator -Demonstration Model- P.99		
MW19 Difficult Airway Management Simulator for Bronchofiberscopy P.99						Clinical Skills -ER-
US-4 Breast Ultrasound Phantom P.13	US-4B Small Parts Basic QA Phantom P.15	US-2 Ultrasound QA Phantom P.15	US-20 Ultrasound Guided Tube Feeding Phantom P.44	US-16 Intradermal Urine Volume Measurement Phantom P.45		
US-22 Dual Modality Human Abdomen Phantom (CT, Ultrasound) P.74	US-18 Fundamental Ultrasound Phantom P.100	US-17 Rheumatoid Phantom P.100			Ultrasound	
Anatomical Models P.101-						

A Range of Innovative Training Simulators



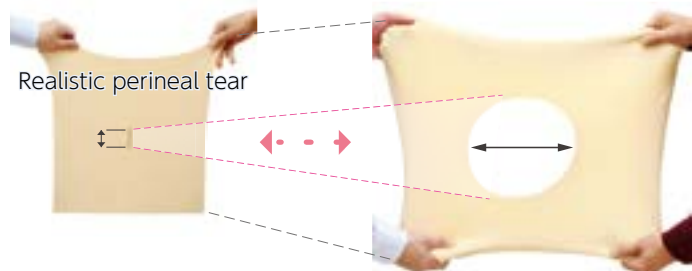
Kyoto
Maternity
Series

Innovative
Features

1

Genital area made of innovative material that excels in elasticity, durability and resilience while offering repeated true-to-life hands-on training in pelvic examination and birthing

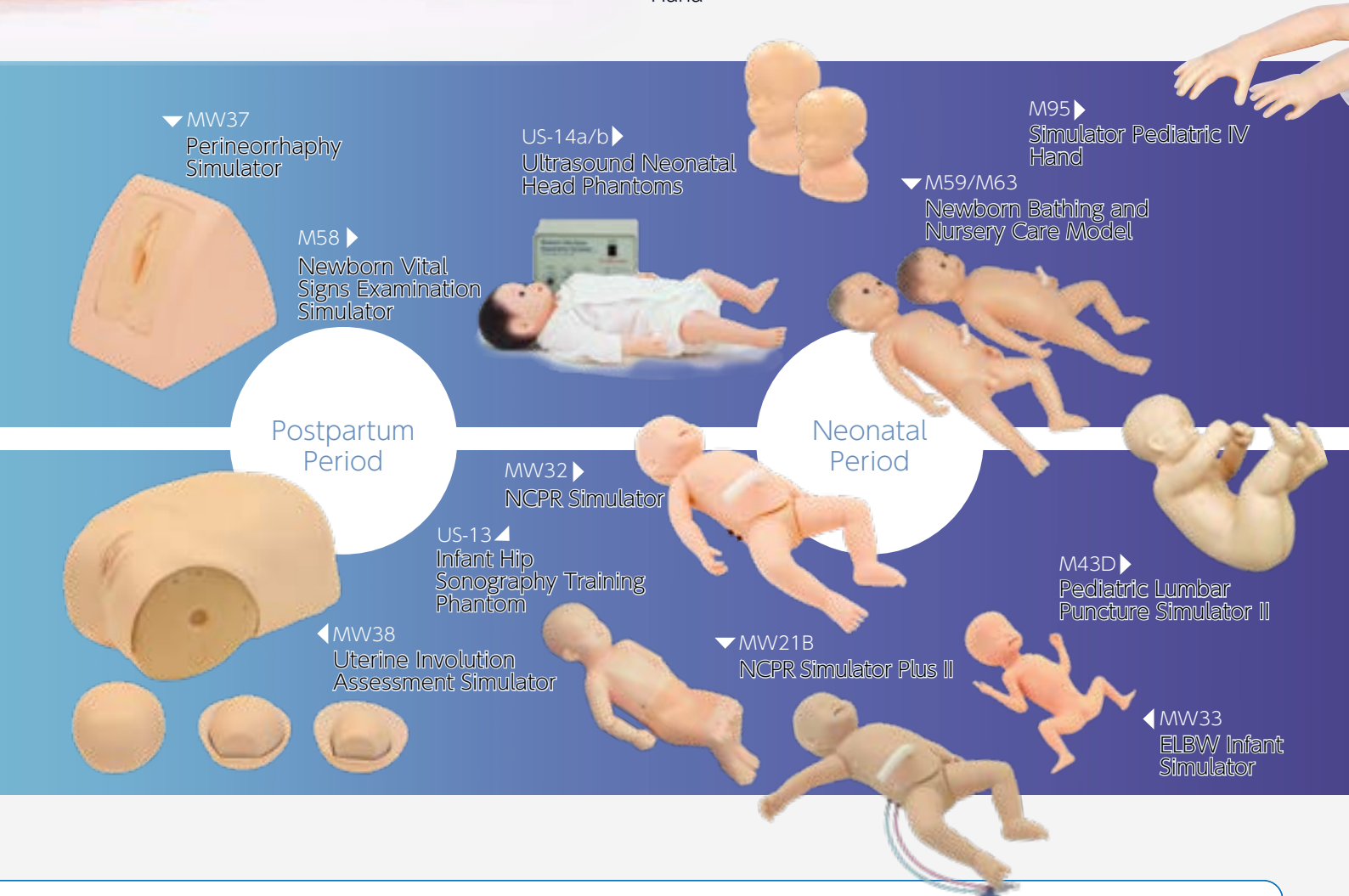
*Resilient perineal area allows for repetitive use, saving cost for training courses.



from Pregnancy Period to Neonatal Period



◀ MW48
Full Perinatal Patient
Care Simulator
"Hana"



▼ MW37
Perineorrhaphy
Simulator

M58 ▶
Newborn Vital
Signs Examination
Simulator

US-14a/b ▶
Ultrasound Neonatal
Head Phantoms

M95 ▶
Simulator Pediatric IV
Hand

▼ M59/M63
Newborn Bathing and
Nursery Care Model

Postpartum
Period

Neonatal
Period

MW32 ▶
NCPN Simulator

US-13 ▲
Infant Hip
Sonography Training
Phantom

M43D ▶
Pediatric Lumbar
Puncture Simulator II

◀ MW38
Uterine Involution
Assessment Simulator

▼ MW21B
NCPN Simulator Plus II

◀ MW33
ELBW Infant
Simulator

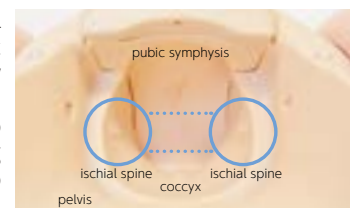
2 | Smooth delivery of the baby and placenta

1. Optimal lubricant
2. Genital area that excels in elasticity, durability and resilience
3. Vaginal canal that matches the size of the neonate
4. Holding handle to stabilize the maternal body



3 | Landmarks on the pelvis that facilitate integration of anatomical knowledge and procedural skills

Anatomically correct vaginal canal, ischial spines, pubic symphysis and coccyx allow for observation and palpation of the landmarks related to fetal positions, promoting anatomical understanding to acquire midwifery skills.



Accurate anatomy

US-10 US-10A US-10B US-10C US-10D



Female Pelvic Ultrasound Phantom

Practice both transvaginal and transabdominal ultrasound procedures in one

Product Supervision

Charlotte Henningsen, MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences

Newly added 10-week- pregnancy unit and IUD unit supports thorough training in Obs/gyn ultrasound.



FEATURES

- 1 | Compatible with actual ultrasound transducer
- 2 | Five types of interchangeable phantom inserts with different pathologies
- 3 | Realistic view of female external genital
- 4 | Excellent ultrasound image quality

SKILLS

- | Handling and manipulation of transvaginal and transabdominal transducers
- | Interpretation of sonogram
- | Visualization and localization of anatomies and pathologies

DESCRIPTIONS

SET INCLUDES

	US-10A/41909-100	US-10C/41909-110	US-10/41909-000	US-10B/41909-200	US-10D/41909-210
	Female Pelvic Ultrasound Phantom (3units/7w)	Female Pelvic Ultrasound Phantom (3units/10w)	Female Pelvic Ultrasound phantom (2 units)	Obstetric Pelvic Ultrasound Phantom (7w)	Obstetric Pelvic Ultrasound Phantom (10w)
lower torso manikin	✓	✓	✓	✓	✓
ultrasound pathology unit	✓	✓	✓	—	—
ultrasound 7-weeks pregnancy unit	✓	—	—	✓	—
ultrasound 10-weeks pregnancy unit	—	✓	—	—	✓
ultrasound ectopic pregnancy unit	✓	✓	✓	✓	✓
IUD unit	—	—	—	—	—
storage case	2	2	1	1	1
talcum powder	✓	✓	✓	✓	✓
syringe	✓	✓	✓	✓	✓
instruction manual	✓	✓	✓	✓	✓

KEY FEATURES

Five variations of training sets	Anatomy, findings and pathology	US-10A	US-10C	US-10	US-10B	US-10D
Normal pregnancy (7-Weeks)		✓	—	—	✓	—
Normal pregnancy (10-Weeks)		—	✓	—	—	✓
Ectopic pregnancy unit		✓	✓	✓	✓	✓
Pathological unit		✓	✓	✓	—	—
IUD unit		—	—	—	—	—
NEW Follicular phase unit		—	—	—	—	—

SPECIFICATIONS

Torso size: W34 x D33 x H24cm
W13.5 x D13 x H9.5 inch

weight: 7.2kg / 15.9 lbs

DESCRIPTIONS
MATERIALS

Soft resin, Polyurethane elastomer
Latex free

REPLACEMENT PARTS

- 41909-030 ultrasound pathology unit
- 41909-040 ultrasound ectopic pregnancy unit
- 41909-050 ultrasound first trimester pregnancy unit (7W)
- 41909-060 skin for US-10 / 10A / 10B
- 41909-070 ultrasound first trimester pregnancy unit (10W)
- 41909-080 IUD unit
- 41909-090 follicular phase unit

* Ultrasound scanner is not included.

US-7 α 

Fetus Ultrasound Examination Phantom "SPACE FAN-ST"

Staple phantom for hands-on practice in second trimester screening

Includes a 23-week fetus with detailed anatomy which covers landmarks for assessment of gestational age in second trimester

Product Supervision

Kiyoko Kabeyama RN, RM, PhD
Professor Midwifery & Women's Health, School of Human Health Science, Graduate School of Medicine, Kyoto University

Haruto Egawa, PhD

National Hospital Organization Kyoto Medical Center
Department of Obstetrics, Head Physician or Medical Director



Fetus Demonstration Model

Life-size fetus model for demonstration and visual understanding.



Photos courtesy of Adventist University of Health Sciences

Heart with four chambers



UV



FEATURES

- 1 | The oval-shaped phantom abdomen can be set into four different positions.
- 2 | The fetus includes full skeletal structures and key organs.
- 3 | Includes an educational DVD and a fetus demonstration model for comprehensive learning.
- 4 | Includes a 23-week fetus.

SKILLS

- | Fetal size assessment: BPD, AD, AC and FL
- | Measurement of amniotic fluid volume
- | Determination of fetus presentation (cephalic or breech)
- | Assessment of each body part
 - Head: skull and brain
 - Spine and limbs
 - Cardiac chambers, blood vessels and lungs
- | Assessment of umbilical cord and placenta position
- | Determination of sex (This phantom represents a male fetus.)

ANATOMY

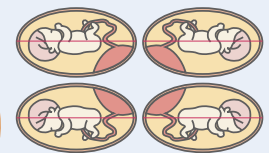
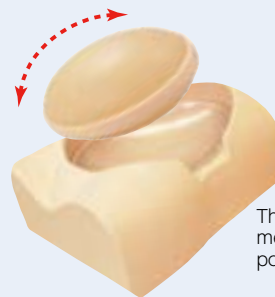
Uterus

- | amniotic fluid
- | placenta
- | umbilical cord

Fetus

- | skeletal structure
- | brain with septum lucidum
- | lateral ventricles and cerebellum
- | heart with four chambers
- | lungs
- | spleen
- | bladder

- | stomach
- | liver
- | kidneys
- | aorta
- | umbilical vein
- | umbilical artery
- | external genitalia



The oval-shaped phantom abdomen can be set in four different positions.

DESCRIPTIONS

SPECIFICATIONS

Torso size: W40 x D31 x H22 cm
W15.7 x D12.2 x H8.7 inch

Weight: 7.3kg / 13 lbs

Phantom size: W30 x D21 x H15 cm
W11.8 x D8.3 x H5.9 inch

MATERIALS

Soft resin, Polyurethane elastomer
Latex free

SET INCLUDES

- 1 mother body torso
- 1 ultrasound pregnant uterus phantom
- 1 fetus demonstration model
- 1 storage case
- 1 tutorial manual (DVD)
- 1 talcum powder

* Ultrasound scanner is not included.

US-14a

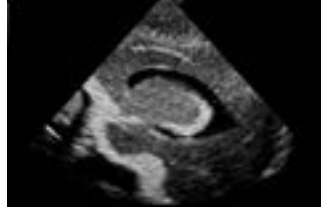
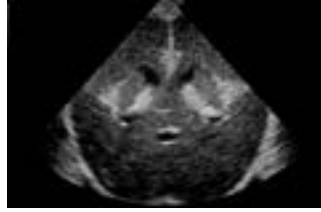


Ultrasound Neonatal Head Phantom (Normal Type)

World's first ultrasound neonatal head phantom with key anatomies

Product Supervision

Charlotte Henningsen,
MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences



FEATURES

Cranial or head ultrasound is one of the most difficult scanning skills, and there are few opportunities for training. This head phantom features an accurate depiction of a newborn's cerebral anatomy, and facilitates a realistic user experience with its life-like soft touch.

SKILLS

| Scanning of brain anatomy in sagittal (angled parasagittal), coronal and transverse planes via any fontanel
| Palpation of anterior, posterior and mastoid fontanels

ANATOMY

skull	cerebrum	third ventricle
anterior fontanel	cerebellum	fourth ventricle
posterior fontanel	brain-stem	septum lucidum
mastoid fontanels	lateral ventricle	

DESCRIPTIONS

SPECIFICATIONS

Size: W13 x D13 x H17 cm
W5.1 x D5.1 x H6.7 inch

Weight: 1.5kg / 3.3lbs

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

- 1 ultrasound phantom
- 1 pillow
- 1 talcum powder
- 1 storage case
- 1 instruction manual

* Ultrasound scanner is not included.

US-14b



Ultrasound Neonatal Head Phantom (Abnormal Type)

World's first ultrasound neonatal head phantom with hydrocephalus

Product Supervision

Charlotte Henningsen,
MS, RT(R), RDMS, RVT, FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences



FEATURES

This head phantom is designed to demonstrate Hydrocephalus. The shape of the skull is altered due to intracranial pressure.

SKILLS

| Scanning of brain anatomy in sagittal (angled parasagittal), coronal and transverse planes via any fontanel
| Palpation of fontanels

ANATOMY

skull
anterior fontanel
posterior fontanel
hypertrophied lateral ventricle

DESCRIPTIONS

SPECIFICATIONS

Size: W13 x D14 x H20 cm
W5.1 x D5.5 x H7.9 inch

Weight: 1.5kg / 3.3lbs

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

- 1 ultrasound phantom
- 1 pillow
- 1 talcum powder
- 1 storage case
- 1 instruction manual

* Ultrasound scanner is not included.

US-13

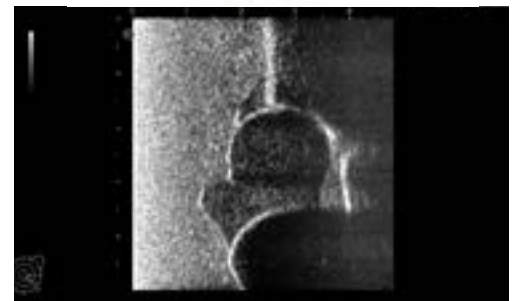
Infant Hip Sonography Training Phantom

World's first infant hip sonography phantom Best tool to teach Graf's method

Product Supervision

Univ. Prof., h.c., Reinhard Graf, M.D.

This phantom expands training opportunities for pediatricians, radiologists and orthopedists. Before working on real infants, trainees can repetitively practice on this phantom to become familiar with the examination procedures and key points. Using real ultrasound devices, trainees can learn key ultrasound landmarks to identify standard plane for Graf's classification. This is a foundation to acquire skills in handling and positioning of the baby as well as correct positioning of the transducer.



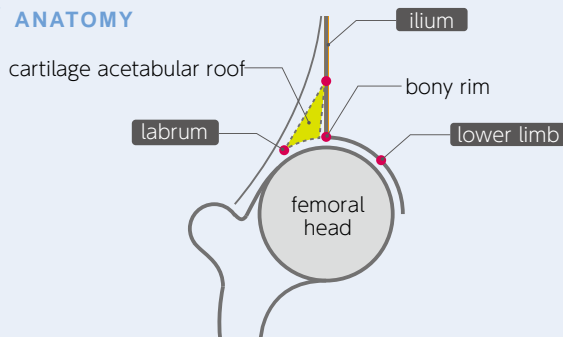
FEATURES

- 1 | The market's only training phantom for hip sonography on a full body manikin of 6-week-old infant.
- 2 | Bilateral hips for examination.
- 3 | Facilitate anatomical understanding.
- 4 | Movable arms to practice supporting and repositioning of the infant.

SKILLS

- | Setting and preparation for hip sonography
- | Changing the position of the infant
- | Communication and interaction with infant's guardian
- | Correct use and positioning of the transducer
- | Recognition of landmarks for hip sonography
- | Visualization of standard, anterior and posterior planes
- | Interpretation and morphological classification of the sonogram

ANATOMY



KEY LANDMARKS

- | chondro-osseous junction
- | femoral head
- | synovial membrane
- | joint capsule
- | acetabular labrum
- | cartilaginous portion of the acetabular roof
- | bony promontory of the superior bony acetabular rim
- | lower margin of the ilium
- | standard plane

DESCRIPTIONS

SPECIFICATIONS

Size: W55 x D25 x H13 cm
W21.6 x D9.8 x H5.1 inch

Weight: 3kg / 6.6lbs

MATERIALS

Polyurethane elastomer
Latex free

RECOMMENDED DEVICES

-

SET INCLUDES

- 1 ultrasound infant phantom
- 1 talcum powder
- 1 storage case
- 1 instruction manual

REPLACEMENT PARTS

-

- * Supporting cushion is not included.
- * Ultrasound scanner is not included.



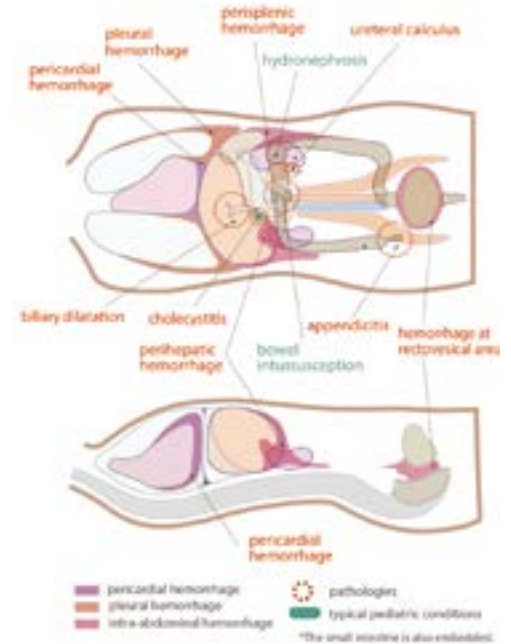
Pediatric FAST/Acute Abdomen Phantom

Ultrasound training for pediatric FAST procedures

This world's first pediatric ultrasound torso phantom provides opportunities of hands-on training in ultrasound examination of a two-year-old patient

Product Supervision

Shunsuke Nosaka, MD, PhD
 Director of Radiology
 National Medical Center for Children and Mothers



FEATURES

- 1 | Thoracoabdominal organs, bone structure and free-fluid for practicing FAST examination procedures
- 2 | Commonly seen pathologies in pediatrics
- 3 | Acquire fundamental pediatric abdominal ultrasound skills, as well as FAST/Acute sonography skills

SKILLS

- FAST procedures:
Internal hemorrhage at perihepatic, perisplenic, pelvis, and pericardium area
- Sonography for acute pediatric patient:
Bowel intussusception, appendicitis and biliary dilatation

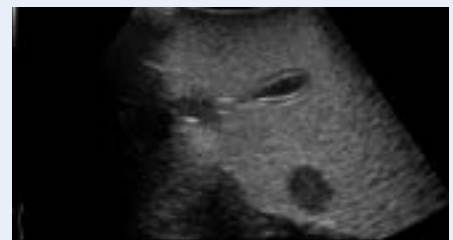
KEY FEATURES



Pleural hemorrhage



Hydronephrosis



Appendicitis

DESCRIPTIONS

SPECIFICATIONS

Size: W41 x D17 x H15 cm Weight: 7kg / 15.4lbs
 W16.1 x D6.7 x H5.9 inch

SET INCLUDES

- 1 | ultrasound phantom
- 1 | talcum powder
- 1 | storage case
- 1 | tutorial manual (DVD)
- 1 | instruction manual

MATERIALS

Polyurethane elastomer
 Latex free

REPLACEMENT PARTS

RECOMMENDED DEVICES

* Ultrasound scanner is not included.

US-6



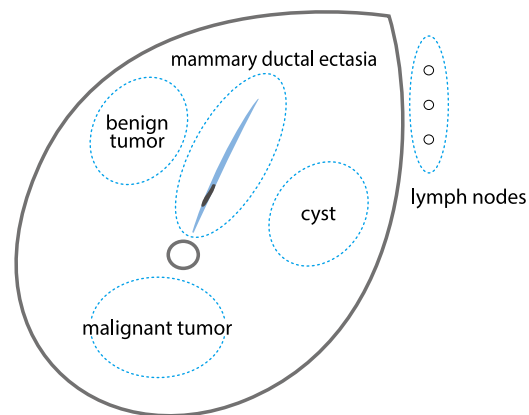
Breast Ultrasound Examination Phantom "BREAST FAN"

Unique phantom for basic breast ultrasound examination

Simulated targets with different echogenicities are embedded in the phantom's mammary gland

Product Supervision

Tokiko Endo, MD, PhD
Director of Department of Advanced Diagnosis,
Clinical Research Center,
National Hospital Organization Nagoya Medical Center
Director of Department of Radiology,
National Hospital Organization Nagoya Medical Center



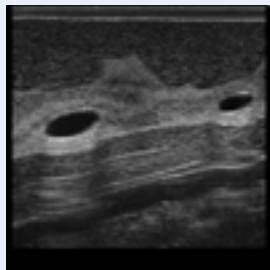
FEATURES

- 1 | State-of-the-art breast ultrasound phantom with anatomy
- 2 | Skills required for ultrasound breast screening can be greatly advanced with practice
- 3 | Excellent ultrasound image quality

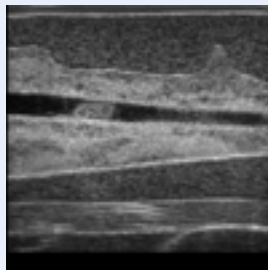
SKILLS

- | Systematic full breast scanning
- | Visualization of key anatomical landmarks
- | Tracking of galactophore
- | Visualization and differentiation of typical pathologies
- | Localization and measurement of cysts and tumor

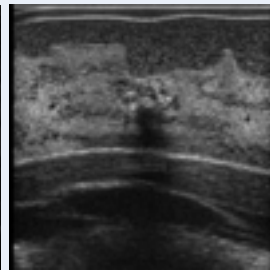
IMAGES



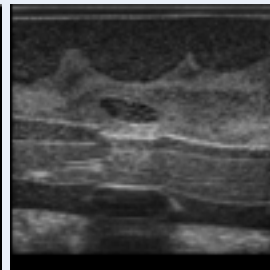
Cyst



Mammary ductal ectasia



Malignant tumor



Benign tumor

ANATOMY

- | subcutaneous adipose
- | mammary gland
- | galactophore
- | cooper's ligament
- | retromammary adipose
- | costae
- | clavicle
- | pectoralis major
- | lung
- | lymph nodes at axilla

DESCRIPTIONS

SPECIFICATIONS

Size: W26 x D38 x H11 cm
W10.2 x D15 x H4.3 inch

Weight: 7kg / 15.4lbs

MATERIALS

Polyurethane elastomer
Latex free

RECOMMENDED DEVICES

-

SET INCLUDES

- 1 breast phantom
- 1 talcum powder
- 1 storage case
- 1 tutorial manual (DVD)
- 1 instruction manual

REPLACEMENT PARTS

-

* Ultrasound scanner is not included.

US-9



Ultrasound-Guided Breast Biopsy Phantom

Basic (Transparent)

Hand-eye coordination



Advanced (Opaque)

Acquisition of skills in safe and reliable needle biopsy



Enhance confidence in performing safe and accurate breast biopsies

Combine two types of breast phantoms for step-by-step development of skills in needle biopsy

FEATURES

- 1 | Fine Needle Aspiration Biopsy (FNAB), Core Needle Biopsy (CNB) and Mammotome biopsy can be performed under ultrasound guidance.
- 2 | Realistic breast tissues that simulate the softness and resistance of the mammary gland.
- 3 | Targets are colored to confirm successful sampling.

SKILLS

- | Hand-eye coordination in ultrasound biopsy
- | Localization of targets under ultrasound guidance
- | Sampling of target

DESCRIPTIONS

SPECIFICATIONS

Size: 16 dia. x H8 cm / 6.3 dia. x H3.2 inch Weight: 0.75kg / 1.7 lbs

SET VARIATIONS

Duo set: 11387-000	transparent + opaque type
Transparent set: 11387-100	1 pair of transparent type
Opaque set: 11387-200	1 pair of opaque type

MATERIALS

Hydrogel
Latex free

SET INCLUDES

1	pair of phantoms
1	instruction manual

REPLACEMENT PARTS

-

RECOMMENDED DEVICES

-

* Ultrasound scanner is not included.

US-4

Breast Ultrasound QA Phantom

Ensure highly detailed images for reliable breast cancer examinations

Ultrasound QA phantom for high precision imaging in the high frequency sonography, typically around 10 MHz, required in breast examination. For monthly basic quality check of ultrasound images along with longer term quality assurance to maintain consistency in performance of scanners and transducers.



Mass targets block

Sonic velocity: 1434 m/sec at 25°C
Attenuation coefficient: 0.59 dB/ cm MHz at 25°C
Acoustic impedance: 1.37 rayl at 25°C
Integrated targets: gray scale targets/ cyst targets

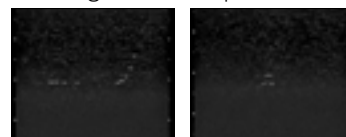
Mass targets block (contrast resolution)



Dot targets block

Sonic velocity: 1442 m/sec at 25°C
Attenuation coefficient: 0.73 dB/cm MHz at 25°C
Acoustic impedance: 1.39rayl at 25°C
Integrated targets: dot targets/ 45 degrees line target

Dot targets block (spatial resolution)



DESCRIPTIONS

SPECIFICATIONS

Size: mass targets block phantom size: 18 x 7.5 x 11 cm / 7.2 x 3 x 4.4 inch
dot targets block phantom size: 13.5 x 7.5 x 11 cm / 5.4 x 3 x 4.4 inch
Weight: Mass 1.3kg / 2.7lbs
Dot 1.0kg / 2.2lbs

SET INCLUDES

1	mass targets block
1	dot targets block
1	thermometer
1	storage case
1	instruction manual

MATERIALS

Urethane elastomer,
acryl, nylon
Latex free

M44



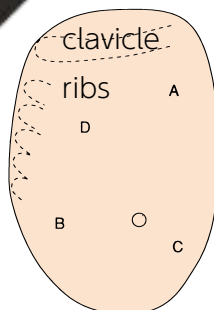
Visual-Tactile Breast Examination Simulator

A compact and realistic breast examination trainer

An excellent training and demonstration tool in breast lumps palpation both in educational and clinical setting

Utility model (Japan): No.1790498

Product Supervision
Tsuneaki Senoh, Prof.,
Kurashiki Medical Center



FEATURES

- Four breast lumps (tumor with dimple, tumor with skin depression, fibroadenoma and mastopathy)
- Bony landmarks for palpation: clavicle and ribs
- Soft and life-like texture

SKILLS

- Tactile breast examination
- Breast self-examination

PATHOLOGIES

- (A) Skin Dimpling (Tumor):**
Hard. Uneven surface. Partially unclear boundary.
- (B) Pitting (Tumor):**
Hard. Uneven surface. Partially unclear boundary.
- (C) Fibroadenoma:**
Spherical. Smooth surface. Movable. Clear boundary.
- (D) Mastopathy:**
Elastic. Smooth surface. Unclear boundary.

DESCRIPTIONS

SPECIFICATIONS

Size: W20 x D28 x H13 cm /
W7.9 x D11 x H5.1 inch

Weight: 1.3kg / 2.9lbs

SET INCLUDES

- 1 breast model (attached to the case)
- 1 talcum powder
- 1 storage case
- 1 instruction manual

MATERIALS

Latex free
Soft resin

REPLACEMENT PARTS

-

M71



Breast Self-Examination Model - body-worn type -



Breast examination trainer for self-examination

Practice to detect and differentiate 6 different lumps through visual-tactile examination.

Utility model (Japan): No.1790498

Product Supervision
Tsuneaki Senoh, Prof.,
Kurashiki Medical Center

FEATURES

- Six signs of breast tumors
- An ideal tool for breast self-examination education.
- Realistic size, appearance and texture.

SKILLS

- Tactile breast examination
- Breast self-examination

DESCRIPTIONS

SPECIFICATIONS

Size: W28 x D21 x H8 cm /
W11 x D8.2 x H3.1 inch

Weight: 1.05kg / 2.3lbs

SET INCLUDES

- 1 breast model with the strap belts
- 1 talcum powder
- 1 storage case
- 1 instruction manual

MATERIALS

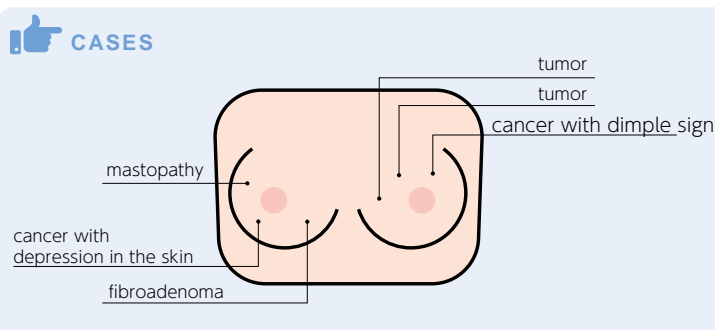
Soft resin
Latex free

REPLACEMENT PARTS

-

RECOMMENDED DEVICES

-



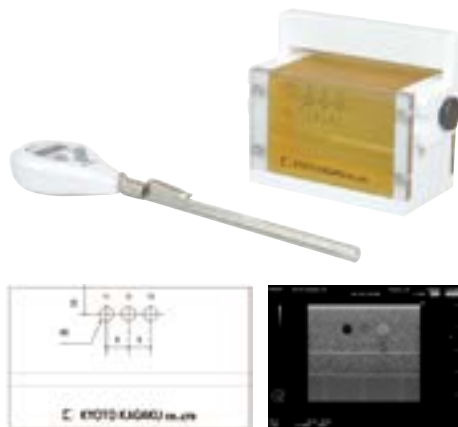
US-4B

NEW

Small Parts Basic QA Phantom

Excellent for the routine maintenance of image quality in ultrasonography as well as the aging of devices and transducers.

Product Supervision
The Japan Association of
Breast and Thyroid Sonology (JABTS)



FEATURES

- 1 | Compact size allows imaging in a single scan, saving time and simplifying the process.
- 2 | To ensure the verticality of the entrance beam, two horizontal wires are embedded and the supporting guide frame secure the transducer in its home position for testing.
- 3 | For monthly basic quality test along with longer term quality assurance to maintain consistency in performance of scanners and transducers.
- 4 | Longevity and stability of phantom material ensured by 5-year-testing process.
- 5 | To maintain the internal temperature of the phantom (23° C to 26° C), a thermometer is provided.

SKILLS

| Image quality and aging of the transducer

ACOUSTIC FEATURES

Sonic velocity: 1434(±1) m/ sec at 25°C
Attenuation coefficient: 0.59 dB/ cm MHz at 25°C
Acoustic impedance: 1.37 rayl at 25°C
Integrated targets: Gray scale targets in three steps, at 10mm depth

DESCRIPTIONS

SPECIFICATIONS

Size: W10.3 x D5 x H8 cm/
W4 x D1.97 x H3.15 in.
Weight: 0.33kg/ 0.72lbs

SET INCLUDES

- 1 phantom
- 1 thermometer
- 1 instruction manual

MATERIALS

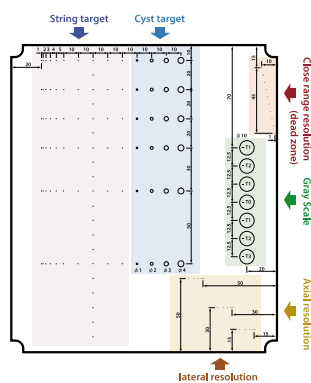
Urethane elastomer,
acryl,
nylon Latex free

US-2

Ultrasound QA Phantom (Multi-Purpose Phantom N-365)

Durable and stable

Useful both for daily assessment and further research. Gray scale for evaluation, cyst targets with non-resonance cylinders, line targets for geometrical evaluation including close range (dead zone) resolution, axial and lateral resolution are prepared for scanning. The phantom is designed to allow scanning from all four side walls.



Gray Scale



String target

DESCRIPTIONS

SPECIFICATIONS

Size: 19 x 22 x 7 cm
7.6 x 8.8 x 2.8 in.

Sonic velocity: 1432m/ sec at 25 degrees C
Attenuation coefficient: 0.57 dB/ cm MHz at 25 degree C
Acoustic impedance: 1.38 rayl at 25 degree C

SET INCLUDES

- 1 phantom
- 1 carrying case

MATERIALS

Urethane elastomer, acryl, nylon
Latex free

REPLACEMENT PARTS

RECOMMENDED DEVICES

-

MW48



Full Perinatal Patient Care Simulator "Hana"

Be a part of Hana's journey as a new mother

Training manikin from gestational to post-natal period
Let us help you take your first step in perinatal care!



FEATURES

- Interchangeable abdomen to simulate perinatal examination, ultrasound examination of 23-week-fetus, cervical examination, labor, perineal tear and puerperal.

POINTS



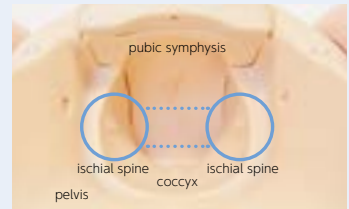
One-touch interchangeable parts



Compatible with birthing chairs

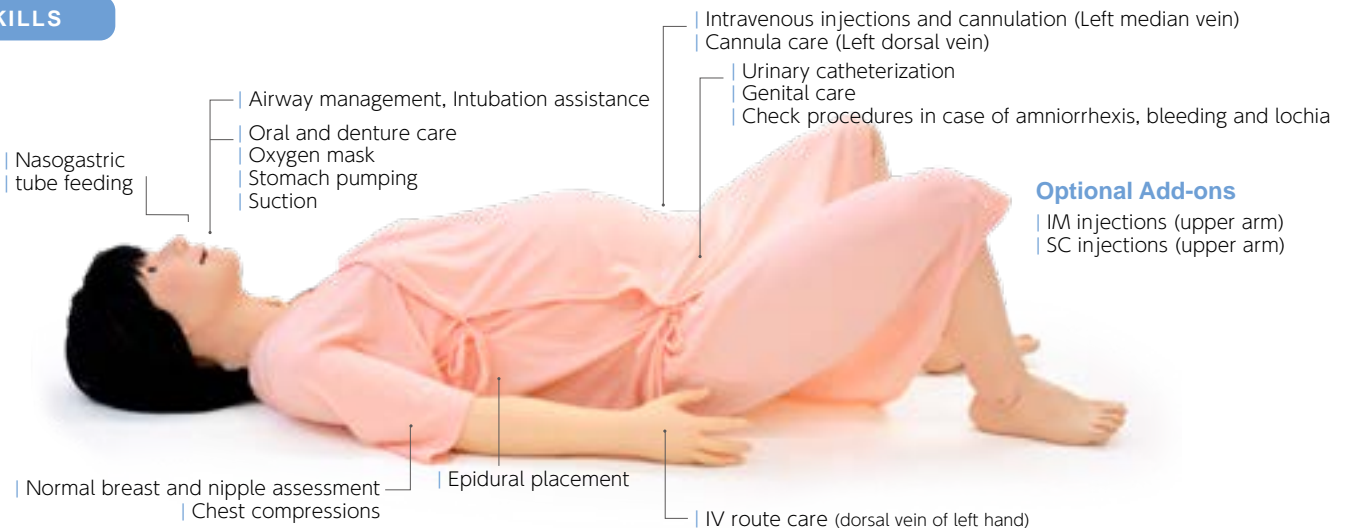


Durable yet realistically elastic



Accurate anatomy

SKILLS



Perinatal examination

During pregnancy

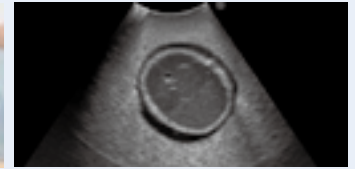
Perinatal examination

- Palpation (e.g. using Leopold's maneuvers, cephalopelvic disproportion assessment)
- Repositionable fetus
- Auscultation of fetal sounds, with adjustable heart rates from 60 to 180
- Measurable abdomen girth, fundal height and external pelvimetry



Ultrasound examination

- Screening of 23-week-fetus
- Fetal size assessment using BPD, AC, FL, and so on
- Measurement of amniotic fluid volume
- Determination of fetus presentation



Childbirth

Cervical examination

- 5 types of cervical dilation models
- Determination of bishop score (cervix score)
- Check fetal head position



During labor

- Various positions: Supine, lateral, all-fours
- Perineal protection
- Cephalic and breech presentations
- Obstetric forceps delivery and vacuum extraction delivery
- Tying and cutting of the umbilical cord
- Delivery of the placenta
- Inspection of the amniotic sac
- Insertion of urinary catheter



Perineal tear

- Perineorrhaphy:
 - single interrupted suture
 - vertical mattress suture
- Repetitive suture practice for first degree perineal tear



Puerperal

Puerperal assessment

- Assessment uterine involution in early puerperium: 4 types of variations
- Measurement and palpation of uterine fundus
- Perineal cleaning and assessment
- Postpartum massage
- Assessment of anal prolapse



DESCRIPTIONS

SPECIFICATIONS

Size: 164 cm/ 63 inch Weight: 20 kg / 2.2 lbs

SET INCLUDES

*Components for basic manikin. Training modules are to be added according to requirements

1 manikin	1 injection pad (median vein)
1 wig	1 irrigation bag
1 face mask for Hana	1 drainage pump /drainage hose
1 denture	1 lubricant for training models
1 female genitalia	1 talcum powder
1 maternity clothes	instruction manual

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11229-050	lubricant for training models
11251-030	2 shoulder IM pads
11416-040	5 velamen sheets
11416-030	10 umbilical cords for omphalotomy
11417-010	2 genitalia insert
11415-040	lubricant (refill, 500ml)
11415-050	lubricant (with bottle, 500ml)

RECOMMENDED DEVICES

11406-040	wig
11415-030	genitalia unit
11415-010	cervical dilation inserts
11416-020	placenta

MW65

NEW

Advanced Obstetric and Birthing Simulator

Comprehensive maternal body set for skills training in vaginal examinations during labor and delivery



Product Supervision: Dr.MAKI Jota, Assistant Professor, Department of Obstetrics and Gynecology, Graduate School of Biomedical Sciences, Okayama University

FEATURES

- 1 | Realistic reproduction of the birth canal allows for pelvic examination in accordance with the progress of delivery.
- 2 | The ability to perform various techniques (McRoberts position, Woods screw method, etc.) in fetal malposition and shoulder dystocia makes it ideal for a variety of workshops and training courses.

SKILLS

Delivery

- | Pelvic examination
- | Normal delivery
- | Delivery of placenta and umbilical cord
- | Reproduction and handling of shoulder dystocia and fetal malposition
- | Vacuum extraction
- | Forceps delivery
- | Breech delivery
- | Delivery of the placenta

Treatment of the fetus

- | Umbilical cord entanglement
- | Umbilical cord clamping and cutting
- | Palpation of the anterior/posterior fontanels
- | Suctioning procedures through mouth and nose

Options (to be released)

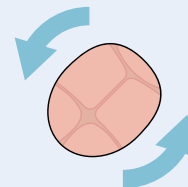
- | By combining the modules listed to the right, a variety of exercises can be conducted.

KEY FEATURES



Checking & Understanding

- | The mother's abdomen can be turned to check the anatomy and understand the delivery
- | Reproduction of anatomical structures that are faithful to the human body



Fetal Rotation

Designed for the pushing-out of fetus, and the internal /external rotation



Difficulty Change

The size of the bony birth canal can be changed in 3 levels.

Combination of modules offer a variety of skills training

Coming soon

Postpartum Uterine Palpation Module

For more information, please contact us.

Palpation of the postpartum uterus and training on abnormality



fundus uteri:
16.5cm (Normal)
23.5cm (Abnormal)

FEATURES

- 1 | Module for postpartum uterine palpation training
- 2 | Normal: Manual removal of placenta
- 3 | Abnormal: Manual removal of placenta
Reproduction of uterine inversion. Bimanual compression can be performed.

SKILLS

- | Postpartum uterine palpation
 - | Manual removal of placenta
 - | Reproduction of uterine inversion*
 - | Bimanual compression*
- *Only for Abnormal module

SPECIFICATIONS

Postpartum Uterine Palpation Module
Size: W30 × D20 × H10 cm (Normal)
W30 × D20 × H15 cm (Abnormal)
Weight: 1.5Kg

MATERIALS

Soft resin
Hard resin

SET INCLUDES

Postpartum Uterine Palpation 1
Module:
Normal 1 / Abnormal 1
Placental remnants 1

Product Supervision: Dr.MAKI Jota, Assistant Professor, Department of Obstetrics and Gynecology, Graduate School of Biomedical Sciences, Okayama University

Coming soon

Cervical Cytology Module (Pap smear)

For more information, please contact us.

Training for Cervical Cytology and Internal Pelvic Examinations during the prepartum period



FEATURES

- 1 | Cytological examination procedures can be simulated using actual instruments.
- 2 | The descent of the infant's head can be reproduced by turning a screw to perform the palpation procedure.

SKILLS

- | Pap smear
- | Palpation of the descending fetus in the prepartum period

SPECIFICATIONS

Size: W18 × D25 × H15 cm
Weight: 1.5Kg

MATERIALS

Soft resin
Hard resin

SET INCLUDES

Uterine Module: 1

Product Supervision: Dr.MAKI Jota, Assistant Professor, Department of Obstetrics and Gynecology, Graduate School of Biomedical Sciences, Okayama University

Coming soon

Fetus Ultrasound Examination Phantom

For more information, please contact us.



Elaborate reproduction of a normal fetus at 23 weeks.
Changeable fetal position and orientation.
Training phantom for ultrasound screening.

DESCRIPTIONS

SPECIFICATIONS

Maternal body (with the skin cover)
Size: W52 × D50 × H35 cm (Body)
Weight: 12Kg (with the fetus and placenta)

MATERIALS

Soft resin
Hard resin

SET INCLUDES

- | | |
|-----------------------------------|------------------------|
| 1 maternal body | 5 velamen sheets |
| 1 skin cover | 1 lubricant (500ml) |
| 2 clamps | 1 bottle for lubricant |
| 1 fetus | 1 talcum powder |
| 1 placenta | 1 towel |
| 1 umbilical cord | 1 Instruction manual |
| 3 umbilical cords for omphalotomy | |

REPLACEMENT PARTS

- | | |
|-----------|------------------------------------|
| 11416-030 | 10 umbilical cords for omphalotomy |
| 11416-040 | 5 velamen sheets |
| 11415-040 | lubricant (refill 500 ml) |
| 11415-050 | lubricant (with bottle 500 ml) |
| 11458-010 | replacement skin cover for MW65 |
| 11458-020 | cervix unit for MW65 |
| 11458-030 | fetus for MW65 |
| 11416-020 | placenta |

MW34



Obstetric Examination Simulator

Simulate prenatal checkups using our 39 to 40 week pregnancy simulator
All-in-one simulator: Palpation, Auscultation, and Measurement



FEATURES

- 1 | Soft, durable and realistic senses of touch
- 2 | Various fetal positions and orientations by rotating the fetal unit
- 3 | Recorded and edited actual fetal heart sounds

LANDMARKS

- | pubic symphysis
- | navel
- | xiphoid process
- | iliac crest
- | great trochanters

KEY FEATURES

Auscultation



Selection of sounds can be controlled using a remote control for convenient and fast-paced trainings. Actual fetal heart sound recordings can be heard with a stethoscope or projected for group-based sessions.

Five sound variations:

- Stethoscope sounds
 - Fetal heart sounds
- Doppler sounds
 - Fetal heart sounds
 - Umbilical blood flow
 - Umbilical blood flow with fetal heart sounds combined (posterior and anterior)

*Doppler sounds are to be heard through the external speaker.

Controllable parameters

- Control of fetal heart rate (60-180)
- Switch between internal and external speakers

DESCRIPTIONS

SPECIFICATIONS

Size: W30 x D 60 x H30 cm/ W11.8 x D23.6 x H11.8 inch Weight: 11.2 kg / 24.7 lbs

SET INCLUDES

- 1 pregnancy torso
- 1 AC adaptor
- 1 remote control
- 1 talcum powder
- 1 instruction manual
- 1 towel

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- 11414-010 skin cover for MW34

RECOMMENDED DEVICES

-

SET VARIATION

- 11414-999 MW34 CE light skin tone
- 11414-999-D MW34 CE dark skin tone
- 11414-999A MW34 non CE light skin tone
- 11414-999A-D MW34 non CE dark skin tone

KEY FEATURES

Palpation

Palpation of anatomically correct pelvic and fetal landmarks
 Innovative tissue-like material!

■ **Leopold's maneuvers**

| Palpate parts of the fetus, such as the head, buttocks and trunk using the first to fourth maneuvers.

| Determine fetal position and orientation, as well as degrees of fetal descent.

First maneuver

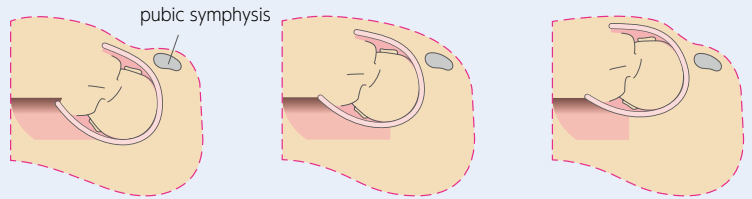


Fourth maneuver



■ **Cephalopelvic disproportion assessment**

Practice multiple CPD assessment scenarios. Height of the fetal head against the pubic symphysis can be changed by rotating the fetal unit.



Measurements

Measure and estimate fetal weight, development and amniotic fluid volume.

Maternal abdominal girth



Fundal height



A variety of external pelvimetries



Distantia spinarum



Distantia cristarum



Distantia trochanterica



External oblique diameter

MW40



Obstetric Training Simulator -complete set-

**Comprehensive maternal body set for skills training
in vaginal examinations during labor and delivery**



FEATURES

- 1 | The external genitalia is made of innovative material that excels in elasticity, durability and resilience for effective and repetitive training.

SKILLS

- | Cervical examination
- | Delivery assistance
- | Perineorrhaphy (perineal repair)

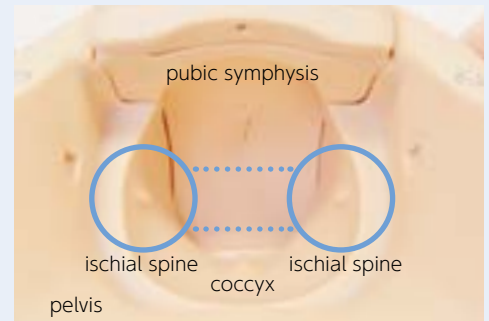
KEY FEATURES

The external genitalia is made of innovative material that excels in elasticity, durability and resilience for effective and repetitive training.



LANDMARKS

- | velamen (amniotic sac)
- | vaginal canal
- | ischial spine
- | pubic symphysis
- | coccyx
- | anterior fontanelle



KEY FEATURES

Cervical examination

5 types of cervical dilation models and fetal descent positions can be interchanged with a single action.

- | Cervical scoring in the first stage of labor
 - Determination of station using landmarks of the ischial spine and the pubic joint to assess the descent of the body
 - Assessment of cervical dilation
- | Speculum examination
- | Observation and cervical cytology
- | Urinary catheterization



Delivery assistance

Smooth and realistic delivery



- | Delivery assistance for different delivery positions (dorsal, all-fours)
- | Perineal protection
- | Delivery of fetus (forceps delivery, vacuum extraction)
- | Clamping, tying and cutting of the umbilical cord
- | Delivery of the placenta
- | Insertion of urinary catheter



Perineorrhaphy (perineal repair)

Repetitive suture training for the first-degree perineal tears.

First-degree perineal tear repair

- | Single interrupted suture
- | Vertical mattress suture



DESCRIPTIONS

SPECIFICATIONS

Size: W74 x D44 x H33.5cm / W29.1x D17.3 x H13.2 inch Weight: 11.2kg / 24.7lbs

SET INCLUDES

- 1 maternal body
- 1 genitalia unit (for pelvic examination and delivery assistance)
- 1 talcum powder
- 1 lubricant (500ml)
- 1 instruction manual
- 1 towel

Parts for pelvic examination:

- 1 vaginal unit
- 1 set of cervical dilation inserts (5 variations)
- 1 holder for the cervical dilation inserts

MATERIALS

Soft resin
Latex free

Parts for Delivery Assistance:

- 1 fetus
- 1 placenta
- 3 umbilical cords for omphalotomy
- 1 tray
- 5 velamen sheets

Parts for Perineorrhaphy:

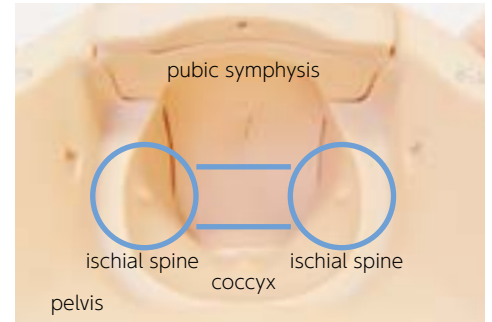
- 1 genitalia unit (for perineorrhaphy)

MW35



Cervical Assessment Simulator

**Realistic yet durable material
for repetitive practice of cervix scoring**



Station zero, the line that connects ischial spines can be recognized.

FEATURES

- 1 | Genital area made of innovative material that excels in elasticity, durability and resilience offers repetitive training.
- 2 | 5 types of cervical dilation models and fetal descent positions can be interchanged with a single action.
- 3 | Anterior/posterior fontanelles to determine the fetal position

SKILLS

- | Cervix scoring in the first stages of labor
- | Check fetal head position
- | Determination of bishop score (cervix score)
- | Speculum examination (i.e. Pap smear testing)
- | Urinary catheterization
- | Cervical cytology

KEY FEATURES



Cervical dilation insert can be attached by a single action.



Descent of the fetus can be set by the lever on the holder (from -3 to +3).



External genitalia that excels in elasticity, durability and resilience

DESCRIPTIONS

SPECIFICATIONS

Size: W74 x D44 x H33.5 cm
W29 x D17 x H13 inch

Weight: 10.3 kg / 22.7 lbs

SET INCLUDES

1 maternal body	1 lubricant (500 ml)
1 genitalia unit	1 talcum powder
1 vagina unit	1 instruction manual
1 set of cervical dilation inserts (5 variations)	1 towel
1 holder for the cervical dilation inserts	

MATERIALS

Soft resin, hard plastic
Latex free

REPLACEMENT PARTS

11415-010	1 set of cervical dilation inserts (5 variations)
11415-040	1 lubricant (500 ml)
11415-030	1 genitalia unit (for pelvic examination and delivery assistance)

RECOMMENDED DEVICES

-

OPTIONAL PARTS

11416-020	placenta
11416-100	vaginal delivery module
11418-100	uterine involution module

MW36



Vaginal Delivery Assistance Simulator

Simulates the delivery of a newborn,
from perineal protection to delivery of the placenta



Perineal protection, anal sphincter protection



Delivery assistance



Smooth delivery of the baby



Clamping, tying and cutting of the umbilical cord



Delivery of the placenta



Inspection of placenta and velamen

FEATURES

- 1 | Genital area made of innovative material that excels in elasticity, durability and resilience offers repetitive training opportunity.
- 2 | Anatomically correct vaginal canal, ischial spine and pubic joint that facilitate training with anatomical understanding.
- 3 | Elastic external genitalia, realistic shape of vaginal canal and the holding handle for the maternal body facilitate simulating smooth delivery.

SKILLS

- Delivery assistance for different delivery positions (dorsal, all-fours)
- Perineal protection
- Delivery of fetus (forceps delivery, vacuum extraction)
- Clamping, tying and cutting of the umbilical cord
- Delivery of the placenta
- Insertion of urinary catheter
- Inspection of the velamen

KEY FEATURES



Skills training associated with anatomical understanding

Position of the fetus against the pelvis can be observed under direct vision during the delivery.

Two possible birth positions

Dorsal position
All-fours position

DESCRIPTIONS

SPECIFICATIONS

Size: W74 x D44 x H33.5 cm
W29 x D17x H13 inch

Weight: 11.2kg / 24.7 lbs

SET INCLUDES

1 maternal body	1 talcum powder
1 genitalia unit (for pelvic examination and delivery assistance)	5 velamen sheets
1 fetus	1 lubricant (500 ml)
1 placenta	1 tray
1 umbilical cord	1 instruction manual
3 umbilical cords for omphalotomy	1 towel

MATERIALS

Soft resin, hard plastic
Latex free

REPLACEMENT PARTS

11415-030	1 genitalia unit
11416-020	1 placenta
11416-040	5 velamen sheets
11416-030	10 umbilical cords for omphalotomy
11415-040	1 lubricants (500 ml)

OPTIONAL PARTS

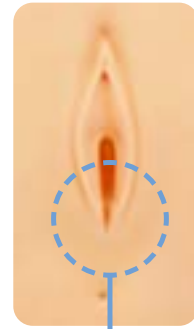
11417-020	genitalia unit (frame, skin)
11416-100	vaginal delivery module
11418-100	uterine involution module

MW37



Perineorrhaphy Simulator

Practice first-degree perineal tear repairs repeatedly



First-degree perineal tear



FEATURES

- 1 | Suture training for first-degree perineal tears
- 2 | Genital area that excels in elasticity, durability and resilience for multiple training opportunities.
- 3 | Optional genitalia unit for training with the maternal body.

SKILLS

- | Perineorrhaphy (perineal repair)
 - Single interrupted suture
 - Vertical mattress suture

KEY FEATURES



Genitalia skin can be mounted on the genitalia unit (optional part) for realistic training with the maternal body.

DESCRIPTIONS

SPECIFICATIONS

Size: W16 x D23 x H20.5 cm
W6.3 x D9 x H8 inch

Weight: 1.5 kg / 3.3 lbs

MATERIALS

Soft resin
Latex free

SET INCLUDES

- 1 genitalia insert
- 1 supporting holder
- 1 talcum powder
- 1 instruction manual

REPLACEMENT PARTS

11417-010 2 genitalia inserts (perineorrhaphy)

* Suturing instruments are not included.

MW38



Uterine Involution Assessment Simulator

Practice highly realistic uterine involution assessments
via a soft, durable and elastic postpartum torso



Palpation of uterine fundus



Measurement of fundal height

FEATURES

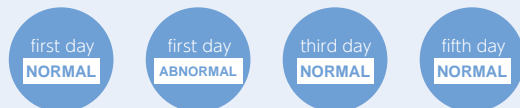
- 1 | Soft and elastic abdominal wall that permits highly realistic palpation to assess the degree of uterine involution and to measure fundal height.
- 2 | Four interchangeable uterine inserts

SKILLS

- | Assessment of uterus in early puerperium
- | Fundal height measurement
- | Palpation of uterine fundus
- | Perineal cleansing and assessment
- | Postpartum massage
- | Assessment of anal prolapse

KEY FEATURES

4 variations of uterine inserts

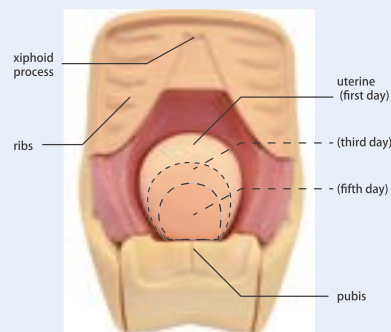


NORMAL (boundary between abdominal wall and uterine is hard and clear)

ABNORMAL (uterine is soft or unclear)

LANDMARKS

- | pubic symphysis
- | umbilicus
- | uterus



DESCRIPTIONS

SPECIFICATIONS

Size: W28 x D42 x H26 cm Weight: 7.4kg / 16.3 lbs
W11 x D16.5 x 10.2 inch

SET INCLUDES

- 1 | puerperal lower torso
- 1 | set of uterine inserts (4 variations)
- 1 | talcum powder
- 1 | instruction manual
- 1 | towel

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

-

REPLACEMENT PARTS

- 11418-010 1 skin cover (for uterine involution assessment)
- 11418-020 1 set of uterine inserts (4 variations)

MW32



NCPR Simulator

Manikin that facilitates Cardio-Pulmonary Resuscitation training of a newborn baby



FEATURES

- 1 | Airway management training with observable bilateral/unilateral ventilation
- 2 | Soft and realistic umbilical cord capable of venous and arterial line placement, and blood sample collection
- 3 | Feeding tube placement confirmable through gastric fluid aspiration and auscultation.
- 4 | Chest compression

SKILLS

Basic neonatal care

- | Changing body position
- | Hygiene
- | Palpation of the anterior fontanelle
- | Umbilical catheterization
- | Umbilical cord care
- | Tube feeding (nasal and oral) and gastric fluid aspiration
- | Clamping, tying and cutting of the umbilical cord
- | Suction (nasal, oral)

Emergency Simulation

- | Chest compression
- | Endotracheal intubation
- | BVM ventilation

*The product is not designed for bathing.

ANATOMY

- | ribs
- | bronchi
- | lungs
- | stomach
- | esophagus
- | umbilical cord

DESCRIPTIONS

SPECIFICATIONS

Size: 50 cm / 19.6 inch Weight: 2.6kg / 5.7 lbs

SET INCLUDES

- | | |
|---|--------------------|
| 1 | newborn manikin |
| 1 | lubricant |
| 1 | instruction manual |

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- | | |
|-----------|----------------------------------|
| 11400-010 | 1 mask for MW21, MW32 |
| 11400-020 | 1 chest skin for MW21, MW32 |
| 11400-030 | 4 umbilical cords for MW21, MW32 |
| 11229-050 | 1 lubricant |



RECOMMENDED DEVICES

Feeding tube: 5fr.
Suction catheter: 5fr.
Endotracheal tube: 3.0mm ID
Umbilical catheter: 5fr., 30cm
Laryngoscope: #0
BVM: neonatal

* Instruments are not included.

MW21B



NCPR Simulator Plus II



Intravenous catheter insertion
(vein localization via transillumination is possible)

Added functions of PICC and IVC insertion to the standard NCPR Simulator

FEATURES

- 1 | Transillumination of the right hand and foot for IVC insertion
- 2 | Accessible veins on the right arm and leg for PICC insertion

SKILLS

In addition to NCPR Simulator, NCPR Simulator Plus trains IV access with transilluminator guidance

Accessible veins:

- | right arm basilic vein
- | right hand dorsal vein
- | right leg saphenous vein
- | right leg popliteal vein

*The product is not designed for bathing.

SPECIFICATIONS

Size: 50 cm / 19.6 inch
Weight: 2.6kg / 5.7 lbs

SET INCLUDES

- 1 newborn manikin
- 1 lubricant
- 1 instruction manual

MATERIALS

Soft resin
Latex free

DESCRIPTIONS

REPLACEMENT PARTS

- 11400-010 mask
- 11400-020 chest skin
- 11400-030 umbilical cord
- 11400-040 1 right arm skin
- 11400-050 1 right leg skin
- 11400-310 4 vein tubes for right arm
- 11400-320 4 vein tubes for right leg
- 11400-080 abdomen
- 11388-400 10 cotton swab red
- 11229-050 lubricant

RECOMMENDED DEVICES

- Feeding tube: 5 fr.
- Suction catheter: 5 fr.
- Endotracheal tube: 3.0mm ID
- Peripheral venous catheter: 28G x 30 cm
- Umbilical catheter: 5fr., 30cm
- Laryngoscope: #0
- BVM: neonatal

* Instruments are not included.

MW33



ELBW Infant Simulator



26-29 weeks gestation



Extremely low birth weight infant model offers the opportunities to practice fundamental skills in NICU

FEATURES

- 1 | A male infant of 26-29 weeks gestation, 900g weight
- 2 | Resuscitation training including chest compression and endotracheal intubation
- 3 | Life-like softness and delicateness
- 4 | Articulated head and neck

SKILLS

- | Changing body position, hygiene care in an incubator
- | Whole body assessment and measurement
- | Oral gastric and Nasogastric Tube placement
- | Insertion of urinary catheter
- | Bag valve mask resuscitation
- | Chest compression
- | Endotracheal intubation
- | Nasal CPAP

ANATOMY

- | bronchi
- | esophagus
- | stomach
- | articulated head and neck

*The product is not designed for bathing.

SPECIFICATIONS

Size: 35cm / 13.7 inch
Head circumference: 28cm / 11 inch

SET INCLUDES

- 1 ELBW manikin
- 1 lubricant
- 1 instruction manual

Weight: 0.9kg / 2 lbs

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- 11413-010 1 mask for MW33
- 11229-050 1 lubricant

RECOMMENDED DEVICES

- Feeding tube: 3fr.
- Suction catheter: 3fr.
- Endotracheal tube: 2.0-2.5 mm ID
- Laryngoscope: #00
- Urine catheter: 6fr.
- BVM: neonatal (small)

* Instruments are not included.

M59/M63



Newborn Bathing and Nursery Care Model



M59 Male

M63 Female

Soft, seamless newborn manikin for skills training

Life-size 0-4-week-old infant, with the realistic weight and balance of newborn babies

FEATURES

- 1 | Non-rigid neck flexibility
- 2 | Palpable anterior and posterior fontanel
- 3 | Bendable and stretchable limbs
- 4 | Seamless, one-piece waterproof structure
- 5 | Removable umbilical cord

SKILLS

- | Bathing
- | Umbilical cord care
- | Bottle-feeding
- | Ear and nose care
- | Diaper and clothes changing
- | Physical measurement

DESCRIPTIONS

SPECIFICATIONS

Size: 50 cm / 19.6 inch

Weight: 3 kg / 6.6 lbs

Head circumference: 33 cm / 13 inch

SET INCLUDES

- 1 newborn manikin
- 1 umbilical cord
- 1 feeding bottle
- 1 baby cloth
- 1 instruction manual

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11258-080 Umbilical cord

RECOMMENDED DEVICES

-

M58



Newborn Vital Signs Examination Simulator

Life-size newborn manikin for basic vital sign assessments

Product Supervision

Keiko Takahashi, professor
College of Nursing Science,
Fukui Prefecture University



FEATURES

- 1 | Arterial pulse in wrists, neck and temples
- 2 | Heart sounds are recorded from actual patients and synchronized with arterial pulses
- 3 | All vital signs can be controlled with the control unit

SKILLS

Vital signs examination

- | Heart sounds
- | Respiration
- | Pulses: superficial temporal, carotid and radial arteries (bilateral)
- | Body temperature (rectal thermometry)

DESCRIPTIONS

SPECIFICATIONS

Size: 50cm / 19.6 inch

Weight: 1.1kg / 2.4 lbs

Power: AC100-240V

Power Consumption: 30W

SET INCLUDES

- 1 newborn manikin
- 1 control box
- 1 thermometer
- 1 baby cloth
- 1 instruction manual

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

-

RECOMMENDED DEVICES

-

M86

Pediatric Patient Care Model (5-6 years old)



Life-size model of 5-6-year-old female child

Ideal training partner for pediatric nursing care.

FEATURES

- 1 | Natural articulation of joints
- 2 | A variety of possible patient positioning
- 3 | Maintenance of the patient position
- 4 | Seamless, one-piece waterproof structure
- 5 | Soft and life-like touch of the skin

SKILLS

- | Immobilization technique
- | Fixation of a butterfly needle
- | Changing of clothes of a patients with connected catheters
- | Oxygen tent
- | Body position changing
- | Changing clothes, Bed bathing

DESCRIPTIONS

SPECIFICATIONS

Size: 98 cm / 38.6 inch

Weight: 7.7 kg / 16.9 lbs

Head circumference: 33 cm / 13 inch

SET INCLUDES

- 1 | pediatric manikin
- 1 | pajama
- 1 | instruction manual

MATERIALS

Soft resin, metal internal frame

Latex free

M73

Pediatric Patient Care Model (7-10 months)



Life-size model of 7-10-month-old female baby

FEATURES

- 1 | Natural articulation of joints
- 2 | A variety of possible patient positioning
- 3 | Seamless, one-piece waterproof structure
- 4 | Soft and life-like touch of the skin

SKILLS

- | Immobilization technique
- | Fixation of a butterfly needle
- | Changing of clothes of a patients with connected catheters
- | Oxygen tent
- | Body position changing
- | Changing clothes, Bed bathing

DESCRIPTIONS

SPECIFICATIONS

Size: 70 cm / 27.5 inch

Weight: 5.6 kg / 12.5 lbs

Head circumference: 33 cm / 13 inch

SET INCLUDES

- 1 | pediatric manikin
- 1 | pajama
- 1 | instruction manual

MATERIALS

Soft resin, metal internal frame

Latex free

M56B

Pediatric Patient Care Simulator

A comprehensive day-to-day, long-term care manikin for pediatric patients

Provides a variety of features for practicing essential skills and simulating pediatric patient care scenarios for nurses and caregivers

Product Supervision

Medical Association of Osaka Prefecture
Pediatric Medical Care Exploratory Committee



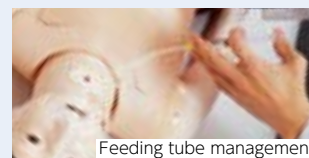
FEATURES

- 1 | Life-like 6 years old model
- 2 | Able to sit in an upright position without support.
- 3 | Oral, nasal and tracheal airway suction interchangeable female and male genitalia for catheterization training.

SKILLS

- | Positioning
- | Patient handling
- | Airway suction:
 - oral, nasal or through a tracheostomy opening
- | Percutaneous Endoscopic Gastrostomy (PEG) care
- | Feeding tube management
- | Male & female catheterization

IMAGES



DESCRIPTIONS

SPECIFICATIONS

Size: 125cm / 49.2 inch Weight: 13kg / 28.6lbs

SET INCLUDES

1 pediatric manikin	1 strap-on IV venipuncture trainer
1 head & neck anatomy plate	1 uniform (gym clothes)
1 male & female genitalia	1 set of catheters (sample)
1 syringe	1 lubricant
1 irrigation bag	1 instruction manual

MATERIALS

Soft resin, hard resin
Latex free

RECOMMENDED DEVICES

-

REPLACEMENT PARTS

11355-020 head and mask explanation panel
11355-030 valve for catheterization
11355-040 replacement mouth/ nose part

* Instruments are not included.

M95

Simulator Pediatric IV Hand



Set of pediatric hands for practicing IV

Become confident in safe insertion of intravenous cannulas on small infant hands with thin and soft veins

FEATURES

- 1 | Fingers and dorsum of hand are flexible, able to be gripped, and repositionable as in real-life procedures.
- 2 | Two puncture sites on the back of the hand
- 3 | Practice dressing and securing the cannula

SKILLS

- | Pediatric dorsal veins injection
- | Blood collection
- | Intravenous infusion

DESCRIPTIONS

SPECIFICATIONS

Size: W18 x D30 x H9.5 cm / W7.1 x D11.8 x H3.7 inch (one-year-old)
W18 x D36 x H10 cm / W7.1 x D14.2 x H3.9 inch (three-year-old)

Weight: 0.6 kg / 1.3 lbs (one-year-old)
0.7 kg / 1.5 lbs (three-year-old)

Power: AC100-240V
Power Consumption: 5W

MATERIALS

Soft resin, hard resin
Latex free

SET INCLUDES

2 injection arm-hands (one-year-old)	1 spoon
2 injection arm-hands (three-year-old)	1 plastic jar
2 stands	1 plastic beaker
1 circulation pump	1 storage case
10 cotton swab red	1 instruction manual

REPLACEMENT PARTS

11350-010	1 replacement injection arm-hand (three-year-old)
11350-020	1 replacement injection arm-hand (one-year-old)
11388-400	cotton swab red

RECOMMENDED DEVICES

indwelling needle: 23G
butterfly needle: 23G

* Needles are not included.

M43D

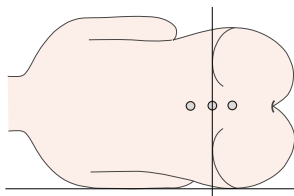
Pediatric Lumbar Puncture Simulator II

Acquire skills for safe pediatric lumbar puncture

The full body is soft and bendable to facilitate realistic body positioning required for a safe and successful lumbar puncture.



Level of posterior superior iliac crests



Product Supervision

Takahiro Amano, M.D.
Vice President
Senior Vice-Dean, Postgraduate School
Professor and Director, Center of Postgraduate
Medical Education International University of Health
and Welfare,
Honorary Director, Sanno Medical Center
Gregory A. Plotnikoff, M.D., M.T.S., F.A.C.P.
Medical Director, Abbott Northwestern Hospital

FEATURES

- 1 | Soft, seamless baby manikin allows practice in safe patient positioning and holding.
- 2 | Two types of puncture pads: deep or shallow
- 3 | Realistic needle tip resistance
- 4 | Anatomically correct landmarks for palpation

SKILLS

- | Patient positioning
- | Palpation of landmarks
- | Lumbar puncture and CSF collection
- | CSF pressure measurement

DESCRIPTIONS

SPECIFICATIONS

Size: W43 x D34 x H20 cm
W17 x D13.4 x H7.8 inch

Weight: 1.5 kg / 3.3 lbs

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

22G-24G spinal needle

SET INCLUDES

1 baby manikin (7-10 months)	1 syringe (50mL)
2 pediatric LP block (shallow)	1 instruction manual
2 pediatric LP block (deep)	
1 irrigation bag	
1 stand for irrigation bag	

REPLACEMENT PARTS

11348-100-04	stand for irrigation bag
11348-100-05	irrigation bag
11348-410	2 pediatric LP block (shallow)
11348-420	2 pediatric LP block (deep)

* Needles are not included.

MW57



Pediatric Lung Sound Auscultation Trainer

**Gain familiarity with the characteristics of pediatric patients.
Acquire clinical skills in action.**



Photo cooperation by Iizuka Hospital

KEY FEATURES

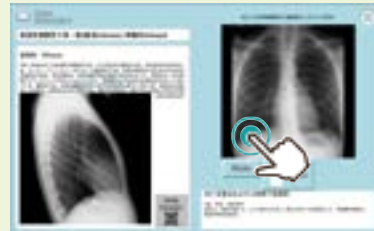
Wireless multi-unit operation

Wireless operation up to five units from one tablet



Detailed Case Descriptions

Characteristics of pediatric lung sounds and tips for auscultation



FEATURES

- 1 | Respiratory rate is adjustable between 15 and 50 breaths per minute.
- 2 | Heart rates are automatically set in accordance with the respiratory rates.
- 3 | Propagation of sounds on the chest are a crucial characteristic of pediatric patients.
- 4 | The torso is designed to represent a patient of 1-5 years old.
- 5 | Based on acoustic analysis of recorded lung sounds, each are classified according to the American Thoracic Society Standards.

SKILLS

- | Learn basic lung sound auscultation technique
- | Recognize adventitious sounds
- | Learn case information with X-ray image

DESCRIPTIONS

SPECIFICATIONS

Size: W39 × D39 × H98 cm power supply: AC100V-240V 50/60Hz
Weight: 35kg power consumption: 180W

SET INCLUDES

- 1 | pediatric LSAT unit (external speaker incl.)
- 1 | control PC
- 1 | accessories
- 1 | pediatric LSAT T-shirt
- 1 | instruction manual

Comparison list of Patient Care Simulators

Items		MW26 Basic Patient Care Simulator "KEIKO"	MW25 Patient Care Simulator "YAYE"	MW22 Patient Care Simulator "Cherry"
Appearance				
Specification	Size	Approx. 150cm (59 in)	Approx. 150cm (59 in)	Approx. 163 cm (64 in)
	Weight	Approx. 15kg (33lb)	Approx. 17kg (37.5lb)	Approx. 12.7kg (28.2lb)
	Age/Sex	Elderly Male/Female	Young Male/Female or Elderly Male/Female	Young Male/Female
	Types of wig	✓ Normal wig: Included Wig for shampooing and blowing: Optional	H Young wig (Black): Included Elderly wig (Gray): Optional	x
	Types of mask	x	H Young face mask: Included Elderly face mask: Optional	x
Anatomy	Anatomies excluded	x Stomach (optional), Vagina, Lung, Ribs		x Vagina, Lungs, Ribs
	Anatomies included	✓ Eye Ball, Oral Cavity, Nasal Cavity, Esophagus, Rectum, Bronchus, Ear	✓ Eye Ball, Oral Cavity, Nasal Cavity, Esophagus, Stomach, Vagina, Rectum, Lung, Ribs, Bronchus, Ear	✓ Eye Ball, Oral Cavity, Nasal Cavity, Esophagus, Stomach, Rectum, Bronchus, Ear
Training Skills				
Basic Skills	Basic positioning and care	✓ Body positioning, Movable joints, Change of clothes, Bed bathing, Partial bathing, Hair care	✓ Body positioning, Movable joints, Change of clothes, Bed bathing, Partial bathing, Hair care	✓ Body positioning, Movable joints, Change of clothes, Bed bathing, Partial bathing
Feeding	Tube feeding: Catheter insertion	✓	✓	✓
	Tube feeding: Nutritional supplement administration	x	✓	✓
	Stomach pumping	x	✓	✓
	Gastrostomy care (PEG)	L	x	H
	Tracheotomy care	✓	✓	✓
Oral care	Oral care	✓ Using the oral cover for suctioning	✓	✓
	Denture care	✓	✓	✓
Breathing	Oxygen inhalation	✓	✓	✓
	Airway suction	✓ Using the oral cover for suctioning	✓	✓
Airway management	Airway management	x	✓	x
	Laryngeal Mask	x	✓	x
	Intubation assistance	x	H Able to confirm the ventilation with both lungs	x
Emergency	CPR	x	✓	x
Excretion help	Urinary catheterization	✓ No water use in training	✓ Male genitalia: Optional	✓ No water use in training
	Other cares	✓ Bedpan Practice, Stoma care, Perineal care	✓ Bedpan Practice, Stoma care, Bowel irrigation, Stool extraction, Perineal care	✓ Bedpan Practice, Stoma care, Bowel irrigation
	Pressure sore care	H Shoulder blade / Greater trochanter / Sacrum / Heel	✓ Sacrum	H Shoulder blade / Greater trochanter / Sacrum / Heel
	Wound care	x	x	✓ Wound pad for abdominal area
Injection and infusion	Intravenous injection: Dorsum of hand	x	✓	x
	Collecting blood	x	✓	L
	Subcutaneous injection	x	✓ Using the shoulder injection pad	✓ Using the shoulder injection pad
	Intramuscular injection	x	✓ Using the shoulder injection pad	✓ Using the shoulder injection pad
	Infusion	x	✓	x
	TPN care	x	✓	✓
	Understanding of the CV port	✓	x	x
	Suppository	✓	✓	✓
Assessment	Observation of the whole body	✓	✓	✓
	Procedure of vital signs taking	✓	✓	✓
	Assessment of chest and abdomen	x	✓	x
Postmortem care	Postmortem care	✓	✓	✓

MW25



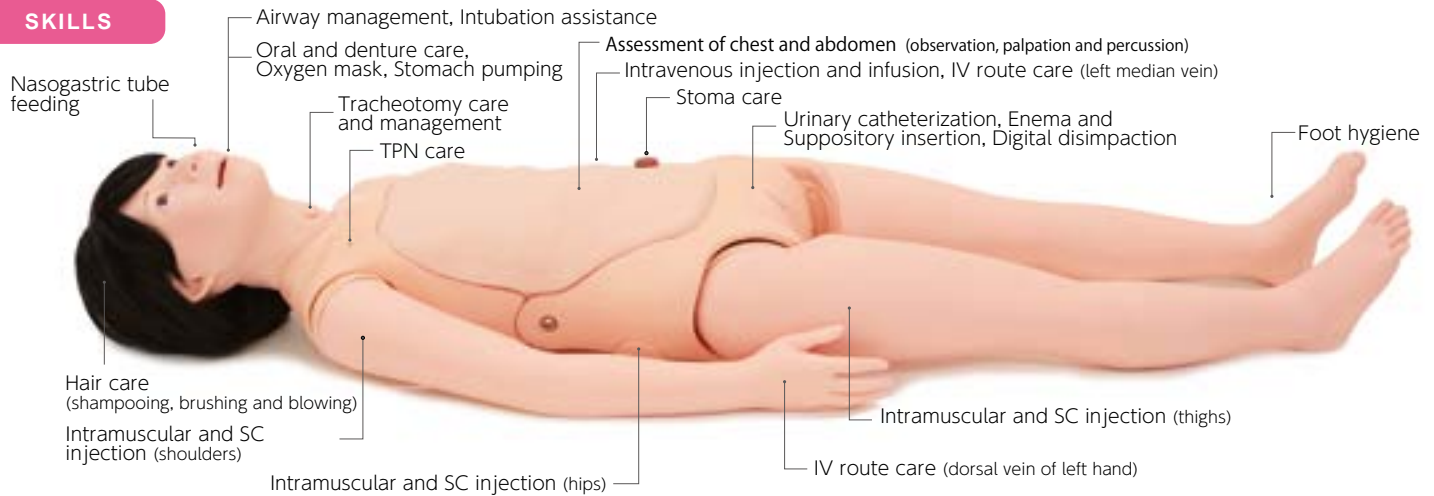
Patient Care Simulator "Yaye"

Patient simulator for uninterrupted care in community and hospital setting

Featuring more than 40 training skills, Yaye can be used in simulations for all health care workers, including students and experienced staff



SKILLS



Feeding

- | Tube feeding (oral/nasal)

Elimination

- | Urinary catheterization
- | Stoma care
- | Bedpan practice

Exercise

- | Positioning
- | Patient transfer

Pain Management

- | Heat and cold compression

Hygiene

- | Oral care
- | Bed bathing
- | Change of clothes
- | Perineal care
- | Hair care
- | Grooming and appearance

Respiratory Care

- | Oxygen management
- | Airway suction
- | Postural drainage
- | Tracheotomy care

Wound Care

- | Pressure sore care
- | Dressing management

Drug Administration

- | Central line care
- | Subcutaneous injection
- | Intramuscular injection
- | Intravenous injection and infusion
- | Enema and suppositories
- | Per vaginal medication

Critical Care

- | Intubation assistance
- | Chest compression
- | Airway management

Assessment

- | Assessment of chest and abdomen

Others

- | Gastric aspiration
- | Postmortem care

KEY FEATURES

Assessment of chest and abdomen

Soft and elastic abdomen allows deep palpation



- | Thoracoabdominal inspection, palpation and percussion
- | Anatomical landmarks and soft tissue offer realistic training

Observation

Palpation

Percussion

Patient varieties

Variable age, sex and personality



Variations in face masks, wigs and external genitals offer wide possibilities of simulation settings and realistic training.



Easy Transformation

* The elderly face mask and the elderly wig with gray hair are optional parts.

Infusion care and management

IV route training



- | Left median vein:
IV injection, infusion, securing cannula with tapes
- | Left hand dorsal vein:
Securing cannula with tapes, care during infusion



Intubation assistance

Airway management and CPR



Critical care such as perioperative situations and in ICU settings can be simulated.

- | Preparation of equipment
- | Oral intubation (laryngoscope and video laryngoscope)
- | Confirmation of successful ventilation by:
 - Observation of thoracic movement (lung expansion)
 - Auscultation of the chest
- | Securing the tube in place with tape
- | Chest compression

DESCRIPTIONS

SPECIFICATIONS

Size: 152cm / 59.8in. Weight: 17kg / 37.5lbs

SET INCLUDES

- 1 manikin
- 1 denture
- 1 wig (black)
- 1 face mask (young)
- 1 injection pad (median vein)
- 2 shoulder injection pads
- 2 thigh injection pads
- 2 hip IM pads
- 1 female genitalia (catheterization)
- 1 female genitalia (suppository insertion/digital disimpaction)

MATERIALS

Soft resin
Latex free

- 1 set of simulated suppositories
- 1 set of simulated feces
- 1 lubricant (for airway suction etc.)
- 1 lubricant (for catheterization etc.)
- 1 irrigation bag
- 1 drainage pump (urinary bladder)
- 1 drainage pump (rectum)
- 1 drainage hose
- 1 set of pajamas
- 1 instruction manual

REPLACEMENT PARTS

- | | | | |
|-----------|--------------------------------------|-----------|--|
| 11404-080 | 6 valves for urinary catheterization | 11404-020 | face mask (young) |
| 11251-350 | rectal valve | 11404-040 | wig (young) |
| 11251-330 | simulated feces set | 11404-060 | female genitalia (catheterization, enema) |
| 11251-320 | simulated suppository set | 11251-310 | female genitalia (suppository insertion, digital disimpaction) |
| 11251-040 | 2 thigh IM pads | 11229-050 | lubricant (for airway suction etc.) |
| 11251-030 | 2 shoulder IM pads | 11381-800 | lubricant (for catheterization) |
| 11251-050 | 2 hip IM pads | | |
| 11404-050 | 4 injection pads (median vein) | | |
| 11404-070 | male genitalia | | |
| 11404-010 | face mask (elderly) | | |
| 11404-030 | wig (elderly) | | |

* Medical instruments are not included.

MW26

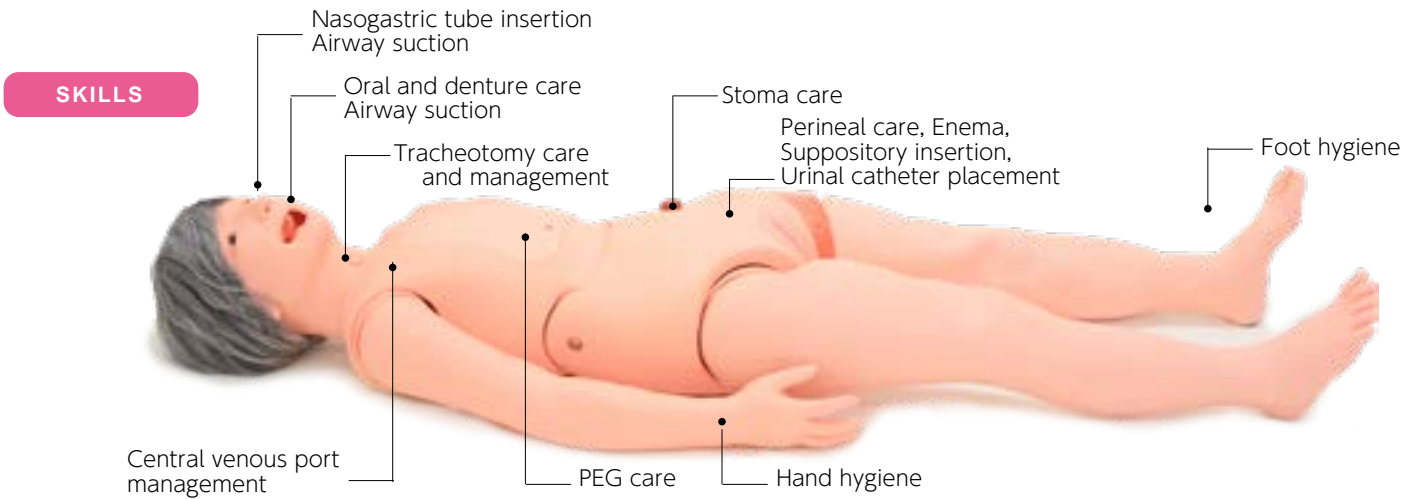


Basic Patient Care Simulator "Keiko"

Meet Keiko :

Patient simulator of geriatric care for trainees including home-care nurses and caregivers

Keiko simulates patients under long-term cares in a variety of health care settings



Feeding

- | Tube feeding (oral/nasal)

Exercise

- | Body positioning
- | Patient transfer

Wound Care

- | Pressure sore care

Pain Management

- | Hot and Cold Compressions

Elimination

- | Enema
- | Urinary catheterization
- | Stoma care
- | Bedpan practice

Hygiene

- | Oral care
- | Bed bathing
- | Change of clothes
- | Perineal care
- | Hair care*
- | Grooming and appearance

Respiratory Care

- | Oxygen inhalation
- | Airway suction
- | Postural drainage
- | Tracheotomy care

Others

- | Postmortem care

Drug Administration

- | Suppository

* Optional

KEY FEATURES

Basic Patient Care

Oral Care

- Oral care on the bed and wheel chair
- Special care for patients with feeding tubes



- | Oral assessment
- | Teeth brushing
- | Denture care

Pressure sores care

- Learn stages of pressure sores
- Pressure sore care



- | Stage 2: Scapula
- | Stage 3: Great trochanter
- | Stage 4: Sacrum bone
- | Unstageable: Heel

Perineal care

- Anatomically correct genitals for detailed care



Body positioning and transfer

- Communication
- Correct manual handling techniques
- Patient safety



- | Changing body positions
- | Supporting patient transfer

Medical Understanding

Airway Suction

- Understanding the procedure



- | Airway suction: oral, nasal and tracheotomy (*tube insertion only)
- | Tube feeding: oral, nasal and PEG (*tube insertion only)

Daily care with medical understandings



- | Stoma care
- | Bed bathing for the patients with central venous port
- | Perineal care for the patients with urinal catheters



Photo: Kyoto College of Nursing

* A wheelchair is not included.

DESCRIPTIONS

SPECIFICATIONS

Size: 149 cm / 58.7 inch Weight: 15kg / 33lbs

MATERIALS

Latex free
Soft resin

REPLACEMENT PARTS

- 11405-010 female genitalia
- 11405-020 male genitalia
- 11401-080 dentures
- 11229-060 oral cover for suctioning
- 11229-050 lubricant for training models
- 11381-800 lubricant for catheterization

OPTIONAL PARTS

- 12746-020 tracheotomy tube II
- 11251-320 simulated suppository set
- 11251-330 simulated feces set
- 11405-030 pajamas
- 11404-030 washable wig (elderly)
- 11229-070 sputum

SET INCLUDES

- | | |
|-----------------------------|---------------------------------|
| 1 manikin | 1 under pants |
| 1 denture | 1 wrench |
| 1 wig | 1 instruction manual |
| 1 oral cover for suctioning | 1 lubricant for training models |
| 1 female genitalia | 1 lubricant for catheterization |
| 1 male genitalia | |

RECOMMENDED DEVICES

- Nasogastric tube feeding:**
- Nasal catheter 12fr -14fr
 - Gastrostomy catheter for replacements 20fr
- Indwelling Urinary Catheter:**
- 16fr (male) / 14fr (female)

MW22

Patient Care Simulator "Cherry"

Basic patient care manikin for introductory nursing

A basic full-body, nursing manikin that offers trainings of patient care for health care professionals



FEATURES

- 1 | Able to sit in upright position
- 2 | Seamless limbs up to fingers and toes
- 3 | TPN and IV routes to simulate patients with catheter lines
- 4 | True-to-life articulation for patient handling

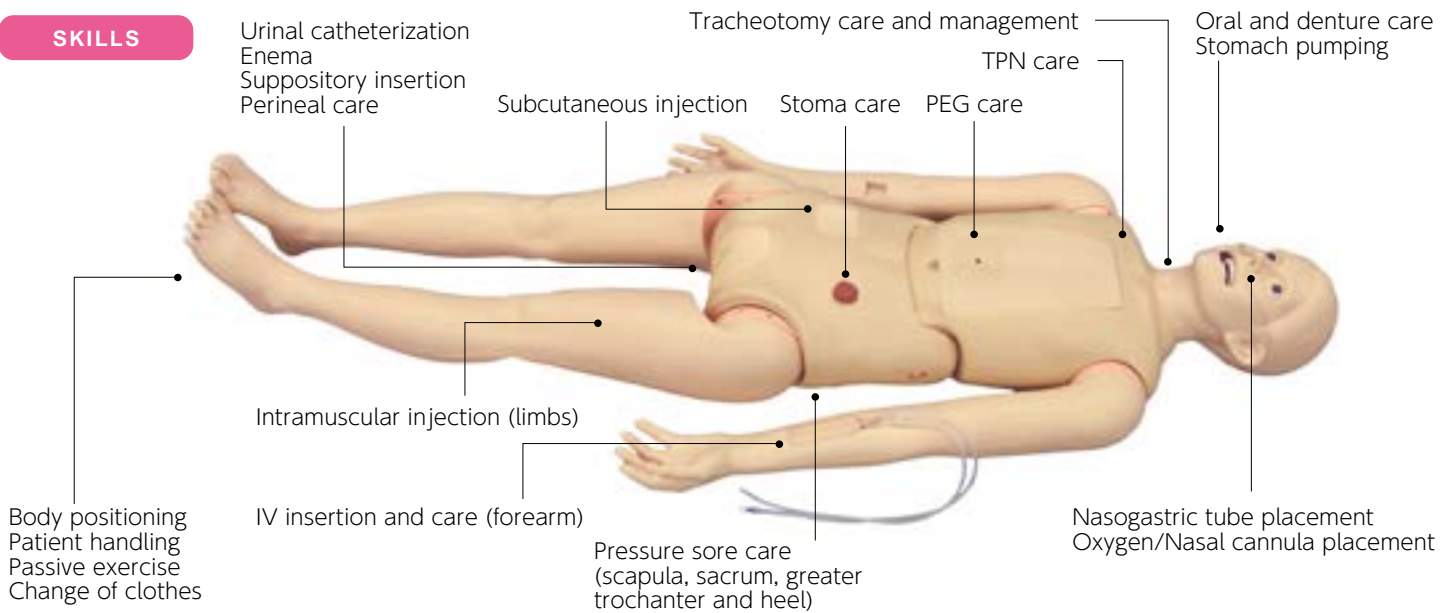


Subcutaneous injection



Wound care

SKILLS



DESCRIPTIONS

SPECIFICATIONS

Size: 163 cm / 64 inch

SET INCLUDES

1	manikin
1	denture
1	set of injection pads (subcutaneous / gluteal / femoral IM / upper arm IM)

MATERIALS

Soft resin
Latex free

1	female genitalia
1	male genitalia
1	wound care pad
1	bottle
1	syringe

REPLACEMENT PARTS

11401-010	insulin injection pad for MW22 (a set of 6)
11401-020	gluteal IM pads for MW22 (a set of 4)
11401-030	female genitalia unit for MW22
11401-040	male genitalia unit for MW22
11401-050	shoulder IM pads for MW 22 (a pair)
11401-060	thigh IM pads for MW22
11401-070	wound care pad for MW22 (a pair)
11401-080	dentures (a set of upper & lower) for MW22, MW26
11401-090	stomach for MW22
11388-200	2 median antebrachial pad

M72

Bathing and In-patient Care Simulator (Male)

Elderly whole-body manikin for basic patient care

This manikin facilitates training for various procedures essential for elderly patient care, such as bathing, hair care, positioning and oral care.



FEATURES

- 1 | Flexible and seamless joints
- 2 | Waterproof body
- 3 | Allows practice of shampooing, brushing and drying patient's hair
- 4 | Skill training for such patient handling as positioning, carrying or transferring on and off of bed



SKILLS

Positioning
Patient handling
Range of joint-motion training
Hair care
Oral care
Diaper changing, clothing
Bathing



DESCRIPTIONS

SPECIFICATIONS

Size: 168 cm / 66 in Weight: 14 kg / 30 lbs

SET INCLUDES

- 1 manikin
- 1 denture
- 1 wig
- 1 underpants

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11274-020 wig for M72

M85



Airway Suction Trainer

Airway suction and tracheostomy management simulator

Life-like anatomical and tactile features to further understanding temporary airway suctioning



Nasal suction



Oral suction

FEATURES

- 1 | Facilitate understanding of the way to insert catheter.
- 2 | Transparent cross-sectional window to monitor the catheter
- 3 | Realistically viscous simulated sputum is included
- 4 | Can be easily dismantled for cleaning
- 5 | Able to open the mouth by hand

SKILLS

- | Oral suctioning
- | Nasal suctioning
- | Endotracheal suctioning

LANDMARKS

- | oral cavity
- | tongue
- | oral and nasal pharynx
- | epiglottis
- | trachea
- | esophagus

OPTIONAL PARTS

11229-060 Oral Cover for training using liquid

Oral cover to store simulated sputum can be purchased as optional parts. This oral cover is to maintain the sputum inside the oral cavity.



DESCRIPTIONS

SPECIFICATIONS

Size: 45 x 23 x 15 cm / 17.7 x 9 x 5.9 inch

Weight: 2kg/4.4lbs

MATERIALS

Soft resin
Latex free

SET INCLUDES

- | | |
|---|----------------------|
| 1 head & neck model with airway anatomy | 1 syringe |
| 2 catheters | 1 storage case |
| 1 set of simulated sputum | 1 lubricant |
| 1 metal tray | 1 instruction manual |

REPLACEMENT PARTS

- | | |
|-----------|---------------------------------|
| 11229-020 | 1 replacement skin with trachea |
| 11229-070 | 1 simulated sputum |
| 11229-040 | 2 sample catheters |
| 11229-050 | 1 lubricant |

OPTIONAL PARTS

- | | |
|-----------|--|
| 11229-060 | oral cover for suctioning ¹ |
| 12746-020 | tracheostomy tube II |

MW8



Tube Feeding Simulator (NG, OG and PEG)

Gastric tube management simulator to learn theories and skills

Can be used as an effective educational tool for caregivers and health care professionals
Featuring three routes and compatible with real liquid for training



The manikin can be set in Fowler's position.

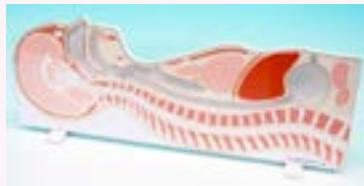
FEATURES

- 1 | Feeding tube insertion and confirmation of the tube placement (NG/OG)
- 2 | Transparent structure which allows direct observation of progress
- 3 | and tube placement
Cross-section panel and chest anatomy map for theoretical
- 4 | understandings
Flexible neck to learn appropriate neck/head positioning

SKILLS

- | Nasogastric/ oral gastric insertion, management and tube placement confirmation
- | PEG tube management
- | Physiological understanding
- | Gastric aspiration

KEY FEATURES



To facilitate anatomical understanding, the feeding routes panel for demonstration and the chest anatomy to overlay the manikin come with the set. The panel is sold separately as MW5.



Feeding Tube Insertion

Nasogastric and oral tube insertion



Administration through three Routes

Actual liquid can be administered through mouth, nose and PEG tube. Medication administration techniques can also be simulated (using water).

DESCRIPTIONS

For product codes of the alternate skin tone versions of this model, please refer to www.kyotokagaku.com.

SPECIFICATIONS

Size: 60 x 37 x 23 cm / 25.6 x 14.6 x 9 inch Weight: 4.4kg/9.7lbs

SET INCLUDES

1 male torso	1 tube feeding routes panel
1 support base	1 chest sheet
1 drain tube	1 instruction manual
1 funnel	1 lubricant
1 plastic cup	

REPLACEMENT PARTS

11384-030	1 face mask light tone
11384-030-D	1 face mask dark tone
11386-000-01	drain hose
11386-000-02	tube feeding chest sheet
11392-070	band of face skin
11229-050	1 lubricant

RECOMMENDED DEVICES

Nasal catheter: 14fr

SET VARIATIONS

11384-000	MW8 light skin tone
11384-000-D	MW8 dark skin tone



US-20

NEW

Ultrasound Guided Tube Feeding Phantom

Anatomically correct neck model for Ultrasound Guided Tube Feeding Training

Product Supervision

Hirosaki University Hospital,
General Medical Department.
Dr. Kobayashi Tadashi

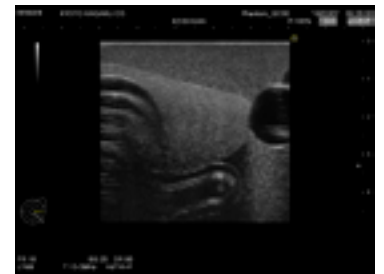


FEATURES

- 1 | Anatomically correct neck model
Thyroid Gland
Trachea
Esophagus
Sternum
Collarbone
Carotid Artery
Jugular Vein
- 2 | Realistic neck ultrasound images
- 3 | Usable with real ultrasound diagnostic devices
- 4 | Allows the confirmation of the proper Nasogastric Tube Placement with ultrasound
- 5 | Inner switch for tube insertion direction: trachea/esophagus for tube location image recognition tests (recognition by ultrasound of proper esophagus insertion or wrong tracheal insertion)

SKILLS

- | Proper handling and manipulation of probe on neck ultrasound
- | Feeding tube insertion
- | Confirmation of tube placement by ultrasound
- | Neck scan to evaluate the tube position.



Ultrasound image

DESCRIPTIONS

SPECIFICATIONS

Size: W29 × H17 × D18 cm
W11.4 × H6.7 × D7.1 inch

Weight: 2.8kg

SET INCLUDES

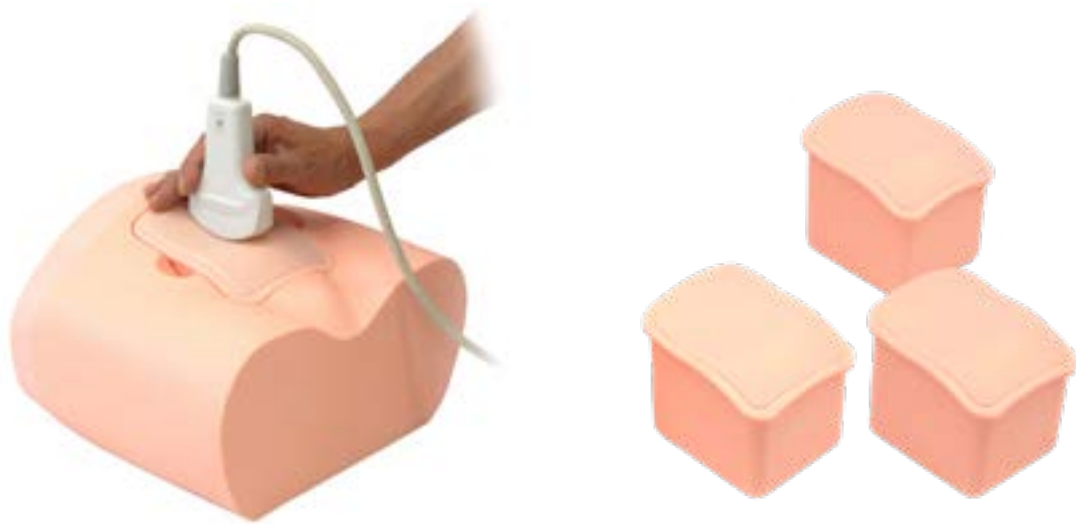
- 1 main body
- 1 ultrasound neck block
- 1 nasogastric tube
- 1 syringe
- 1 talcum powder
- 1 storage case

US-16

NEW

Intravesical Urine Volume Measurement Phantom

Pocket-sized ultrasound is gaining popularity and starting to be utilized more in daily care for examination. This method is preferred as catheterization may cause urinary infection.



FEATURES

- 1 | 4 variations of interchangeable inserts feature different patient scenarios.

SKILLS

- | Handling and manipulation of transducers on bladder ultrasound
- | Scanning the bladder to measure urine volume and findings.

KEY FEATURES



Urine volume 50mL



Urine volume 150mL



Urine volume 300mL



Urinary retention + balloon catheter

DESCRIPTIONS

SPECIFICATIONS

Size: 30 x 26 x 18 cm
12 x 10 x 7 inch

Phantom: 1.5kg / 3.3lbs
Body: 3.2kg / 7.1lbs

SET INCLUDES

- 1 lower torso manikin
- 4 ultrasound blocks
- 1 storage case
- 1 talcum powder
- 1 instruction manual

MATERIALS

Latex free

RECOMMENDED DEVICES

-

REPLACEMENT PARTS

-

MW58

Male Suprapubic Catheter Care Simulator

NEW

MW59

Female Suprapubic Catheter Care Simulator

NEW

A comprehensive trainer for suprapubic catheter changing.



FEATURES

- 1 | Changing suprapubic catheters
Successful insertion confirmation by fluid outflow
Training includes check points in the skills such as catheter mobility and confirmation of urine discharge.
- 2 | Suprapubic catheter care (securing catheter in place)
Facilitates training of securing catheter with gauze and surgical tape.
Confirmation of catheter placement
- 3 | Observation of the catheter through transparent bladder wall.

SKILLS

- | Changing suprapubic catheters
- | Suprapubic catheter care (securing catheter in place)
- | Placement of transurethral balloon catheters
- | Enema at lateral positions

MW59



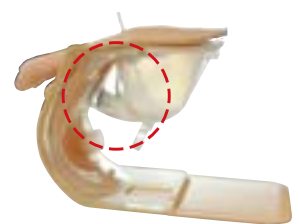
MW58



Confirmation of discharge of urine.



Catheter insertion



DESCRIPTIONS

SET INCLUDES

- 1 lower torso manikin
- 1 genital organ unit
- 4 valves (2 are incorporated in the assembled unit)
- 1 irrigation bottle
- 3 irrigation drainage tubes
- 1 instruction manual

REPLACEMENT PARTS

- 11440-010 SPC male skin
- 11441-010 SPC female skin
- 11441-020 cap for suprapubic opening
- 11441-030 SPC urinary bladder reservoir

MW2A



Male Catheterization/Enema Simulator

MW52



Female Catheterization/Enema Simulator II



MW2A



MW52

High quality simulators for urethral catheterization, perineal care and enema practice

Achieve better training results with our soft and realistic catheterization simulator that can also be used on SP or full body manikins.

FEATURES

- 1 | Soft and flexible genitalia allow proper cleaning and procedural preparation
- 2 | Successful insertion confirmation by fluid outflow
- 3 | Enema insertion in lateral position
- 4 | Detachable external genitalia

SKILLS

- | | |
|---------------------------------|----------------------------------|
| Intermittent catheterization | Cleansing and aseptic technique |
| Indwelling catheterization | Catheter insertion and placement |
| Perineal care | Catheter Removal |
| Enema | Manual bladder compression |
| Localization of urethral meatus | |

Compact sets consist of a genitalia unit and accessories, for hybrid training and table top demonstration.

MW2C 11381-199-B
11381-199-BD

Male Genital Unit only

MW2D 11433-299-B
11433-299-BD

Female Genital Unit only



Enema Training



Pass of catheter can be observed through transparent bladder reservoir

**DESCRIPTIONS****SPECIFICATIONS**

Size: 34 x 33 x 24cm / 13.5 x 13 x 9.5 inch
Weight: 3.5kg / 7.7lbs(M) 3.4kg / 7.5lbs(F)

SET INCLUDES

- 1 lower torso manikin (MW2A, MW52)
- 1 genital organ unit
- 3 valves (one is incorporated in the assembled unit)
- 1 irrigation bottle
- 1 rectum tube
- 3 irrigation drainage tubes
- 1 lubricant

MATERIALS

Soft resin
Latex free

- 1 storage case
- 1 instruction manual

SET VARIATIONS

- | | |
|--------------|----------------------|
| 11381-100 | MW2A light skin tone |
| 11381-100-D | MW2A dark skin tone |
| 11433-000 | MW52 light skin tone |
| 11433-000-D | MW52 dark skin tone |
| 11381-100-04 | rectum unit |

REPLACEMENT PARTS

- | | |
|--------------|---|
| 11381-100-01 | clip (small) for urethral tube for MW2A |
| 11381-100-02 | clip (large) for MW2A/MW2B/MW2C |
| 11433-000-01 | clip (large) for MW52 |
| 11381-100-03 | urinary bladder reservoir |
| 11381-100-04 | rectum unit |

- | | |
|-----------|-----------------------------|
| 11381-300 | 6 replacement valves |
| 11433-010 | 1 replacement female skin |
| 11433-020 | 2 replacement female meatus |
| 11381-800 | lubricant |
| 11381-410 | 1 replacement male skin |
| 11381-510 | 2 replacement male meatus |

RECOMMENDED DEVICES

* Catheters are not included.

MW54/MW53/MW55

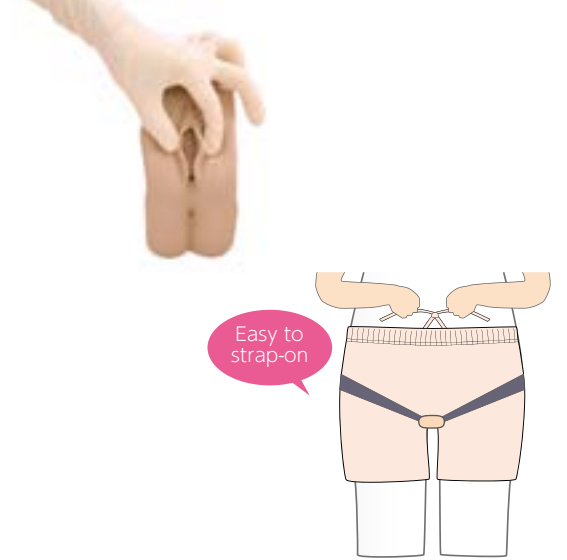
Strap-on Catheterization / Enema Simulator

Reality in skills training combined with scenarios for communication.



True-to-life softness

Labia can be kept open through the catheterization procedures with the non-dominant hand.



FEATURES

- 1 | Soft female genitalia permits holding the labia in open position throughout the procedure from sterilization to the placement of the catheter.
- 2 | Anatomically correct structure facilitates acquisition of body sense along with the procedure.
- 3 | Compatible with balloon catheters.
Water (simulated urine) flows out when appropriate length of a catheter is inserted.

SKILLS

- | Cleansing and aseptic technique
- | Catheter insertion and placement
- | Confirmation of urine discharge
- | Catheter removal
- | Enema



The catheter can be inserted when the penis is held at the right angle.



Injection of enema fluid



Realistic resistance to the catheter

DESCRIPTIONS

SPECIFICATIONS

Life-sized genitalia model: W8 x D21 x H18cm, 0.5kg (male)
W8 x D21 x H9cm, 0.4kg (female)

SET VARIATIONS

female: 11434-000
male: 11435-000
value set: 11436-000

REPLACEMENT PARTS

11381-800 lubricant

SET INCLUDES

1 genitalia model	1 lubricant
1 reservoir bag	1 catheter for maintenance
1 drainage tube	1 instruction manual
1 strap band	
1 shorts	

MW23

Adult Diaper Changing Trainer

Promotes clear visual understanding in adjusting a diaper in order to ensure patient's comfort and prevent leakage.

Appropriate use of a diaper improves patient's Activities of Daily Living (ADL) while preventing bedsores and their aggravation



FEATURES

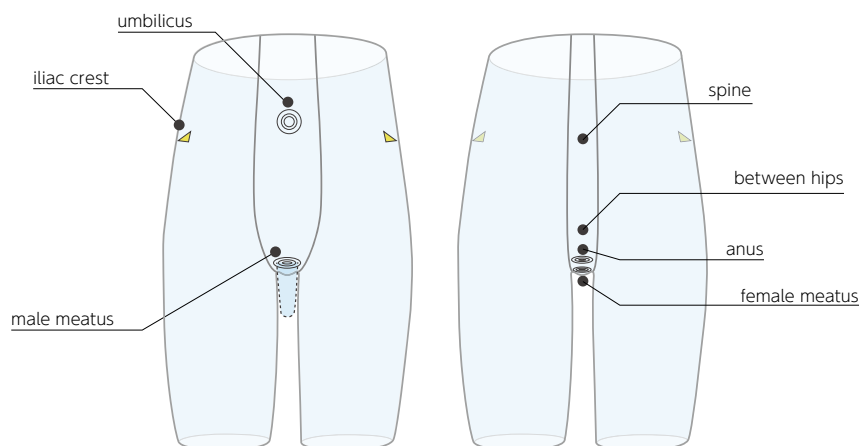
- 1 | Landmarks for a diaper adjustment.
- 2 | Simulated urine or watery feces can be used.
- 3 | Transparent lower torso allows for direct observation of internal view of the diaper.
- 4 | Both male and female patients can be simulated.
- 5 | Lightweight and easy-to handle.

SKILLS

- | Elimination assistance (Diaper-Changing)



male genitalia



DESCRIPTIONS

SPECIFICATIONS

Life-sized lower torso: W31 x D50 x H21cm, 0.5kg

SET INCLUDES

1 lower torso manikin	1 simulated watery feces
1 male genitalia	1 bottle
1 irrigation bag	1 manual pump
1 connection tube	1 set of simulated urine
1 syringe	(10 swab set)
1 beaker	

REPLACEMENT PARTS

11381-800	simulated urine (10 swab set)
11229-070	simulated watery feces (set of 3 packs)
11402-010	10 cotton swab blue

M66

Medical Foot Care Simulator

Simulate basic podiatric care

The maintenance of healthy feet makes a significant impact on the patient's quality of life. Training for simple trimming of nails and callosities as well as general education on basic foot care

Product Supervision

Takako Egawa
Dean, Professor, Kansai University of
Nursing and Health Sciences
Professor Emeritus, Kyoto University



Trimming and removal of the callosities



Trimming and removal of the corns

FEATURES

- 1 | Realistic sensation and anatomically accurate
- 2 | Replaceable nails, corn and callosities

SKILLS

- | Trimming and clipping of toe nails (thickened ingrown nail and thickened nail with ringworm)
- | Trimming and removal of callosities
- | Trimming and removal of corns
- | Foot assessment (demonstration)
- | Foot massage (demonstration)

DESCRIPTIONS

SPECIFICATIONS

Size: W21 x D21 x H28 cm / 8.3 x 8.3 x 11 inch Weight: 1.2g/2.9lbs

SET INCLUDES

1	foot model with swivel stand	10	callosities
20	toe nails A (thickened ingrown nail)	10	corns
20	toe nails B (thickened nail with ringworm)	1	instruction manual

REPLACEMENT PARTS

11273-020	1 replacement parts set for M66	11273-030 Replacement toe nail A 20 pcs
	-toe nail A 20 pcs	11273-040 Replacement toe nail B 20 pcs
	-toe nail B 20 pcs	11273-050 Replacement callosity 10 pcs
	-callosity 10 pcs	11273-060 Replacement corn 10 pcs
	-corn 10 pcs	

* Instruments are not included.

MW1



Pitting Edema Simulator

Five variations of pitting edema simulator

Grades of the edemas are based on "Mosby's Guide to Physical Examination (7th ed.)"

Product Supervision

Junji Otaki
Professor of Tokyo Medical University



Normal

1+ Light Pitting

2+ Moderate Pitting

3+ Deep Pitting

4+ Very Deep Pitting

2mm

4mm

6mm

8mm

SKILLS

- | Differentiation of the pitting edema: four different levels of edemas and a normal case
- | Assessment of edemas on the lower legs

FEATURES

- 1 | Grades of the edemas are based on "Mosby's Guide to Physical Examination (7th ed.)"
- 2 | The models can be attached to the lower leg of a simulated patients or a training manikin.
- 3 | 4 levels of pitting edema according to pressures and the depth of indentations.
- 4 | Repeatable and accurate, as if palpating actual skin surface to the fibula.
- 5 | Good combination with our nursing dolls

DESCRIPTIONS

SPECIFICATIONS

Size: W10 x D20 cm / W3.9 x D7.9 inch Weight: 0.15g/0.33lbs

SET INCLUDES

5	variations of strap-on pitting edema model
1	instruction manual

MATERIALS

Soft resin
Latex free

MW63/MW63B



NEW

Pressure Sores Simulator

Depth, Exudate, Size, Inflammation, Granulation can be trained using a combination of different pads and simulated liquid.

Product Supervision:

MD, PhD, Professor Hiroto Terashi, Plastic and Reconstructive Surgery, Kobe University School of Medicine
Masaharu Sugimoto, Part-time Lecturer, Toyama University of Rehabilitation Medicine and Welfare Madoka
Noguchi, Nursing Department, Kobe University Hospital



Debridement of necrotic tissue

**VARIATIONS**

- | Sacral pressure sore with different stages (4 types)
 - Partial-thickness loss of dermis
 - Full-thickness skin loss
 - Full-thickness skin loss with granulation
 - Full thickness tissue loss with exposed bone
- | Greater trochanter pressure sore
 - Full-thickness skin loss
- | Sciatic pressure sore
 - Full thickness tissue loss with exposed bone

FEATURES

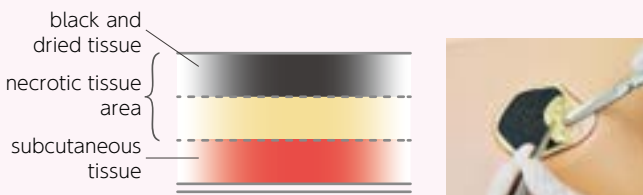
- 1 | In accordance with the DESIGN-R 2020, all seven features can be taught using a combination of different pads and simulated liquid
- 2 | Ultrasound assessment of deep tissue injury
Two types are included: normal and edema
- 3 | Cleansing, applying dressings or topical medications and procedures of Negative Pressure Wound Therapy (NPWT)
- 4 | Simulated exudate, and necrotic tissue set are included
Excellent quality in appearance and texture

SKILLS

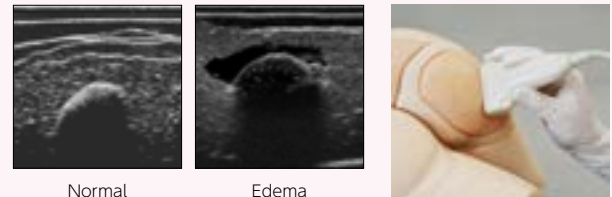
- | Pressure Sore Assessment
- | Palpation of the wound
- | Ultrasound assessment of deep tissue injury (edema in the sciatic area)
- | Wound cleansing care
- | Applying dressings
- | Applying topical medications
- | Negative Pressure Wound Therapy
- | Debridement of necrotic tissue
- | Pressure Sore Prevention

KEY FEATURES

- Necrotic Tissue Removal set
"Three-layer structure"



- Sciatic pressure sore:
Ultrasound assessment of deep tissue injury
Two types are included: normal and edema

**DESCRIPTIONS****SPECIFICATIONS**

Size: W44×D40×H38 cm / W17.3×D15.7×H15 inch Weight: 3.8 kg/8.4 lbs

SET INCLUDES

1 lower body torso	1 necrotic tissue removal set*
1 four types of sacral pressure sore pads	1 storage case
1 sciatic pressure sore pad stage IV	1 instruction manual
1 two types of echo pads*	
1 consumables set	marked* are for full set only

SET VARIATIONS

Full set (MW63) : 11446-000
Basic set (MW63B) : 11446-100

REPLACEMENT PARTS

11446-010	1 consumables set
11446-020	1 simulated pus
11446-030	1 simulated exudate
11446-040	1 simulated blood
11446-050	1 simulated necrotic tissue

MATERIALS

Soft resin
Latex free

11446-200	1 necrotic tissue removal set
11446-220	1 base for necrotic tissue removal
11446-210	1 pad for necrotic tissue removal
11446-070	1 set of two types of echo pads

MW7B

Blood Pressure Measurement Trainer II

Become familiar with the physiology of hypertension through blood pressure observations
With 9 preset cases, the simulator allows student-led practice in accordance with the obtained blood pressure data



Manual Inflation



Korotkoff Sounds



Palpation

FEATURES

- 1 | Nine preset cases
- 2 | Blood pressure values can be digitally controlled at three points - Phases I, IV and V
- 3 | Realistic auscultation of Korotkoff sounds phase I to V
- 4 | Radial artery pulses synchronized with sound and cuff pressure
- 5 | Deflation rate can be numerically monitored
- 6 | Excessive cuff pressure is warned by beeping
- 7 | Random play mode for self-learning

SKILLS

- | Cuff placement
- | Manual cuff inflation
- | Auscultation of Korotkoff sounds
- | Palpation of radial pulses
- | BP reading
- | Cuff deflation

👍 Nine Preset Cases

- 1 | hypotensive
- 2 | normal
- 3 | prehypertension
- 4 | mild hypertension
- 5 | moderate hypertension
- 6 | severe hypertension
- 7 | isolated systolic hypertension
- 8 | auscultatory gap
- 9 | absence of Phase V Korotkoff sounds

DESCRIPTIONS

SPECIFICATIONS

Size: 70x19x17cm/27.7x7.5x6.7 inch Weight: 2.65kg/5.84lbs
Power: AC100V-240V 50/60Hz
Power Consumption: 10W

MATERIALS

Soft resin, Latex free

SET INCLUDES

1 arm model	1 aneroid sphygmomanometer unit
1 controller	1 instruction manual
1 AC adapter	1 carrying bag
1 power cable	1 quick start guide
1 connection cable	

MW29



Oral Care Simulator Advanced

Oral care simulator which can mimic various patient conditions

Realistic oral cavity and denture sets
Actual water can be used to clean oral cavity



Brushing



Oral care swab



Suctioning

FEATURES

- 1 | Viewable and accessible trachea and esophagus
- 2 | Interchangeable denture with tooth diseases
- 3 | Simple set-up and head positioning
- 4 | Includes washable plaque and oral thrush
- 5 | Suction training with water

SKILLS

- | Oral cavity assessment
- | Care of the oral mucous membrane
- | Brushing and cleaning of oral cavity
- | Identifying oral thrush
- | Care for humidity retention
- | Replacement and maintenance of denture
- | Understanding of airway suction
- | Massage of oral cavity

KEY FEATURES

Oral anatomy of denture with problems

- | spaced arch
- | food residue
- | anodontia
- | stomatitis
- | isolated tooth
- | oral thrush
- | crowding
- | gingival recession
- | root fracture
- | stump of a tooth



Patient conditions

- | Complete denture
- | Dental problems
- | Toothless
- | Intratracheal intubation
- | Tracheostomy
- | Tube feeding

Patient positions

- | Sitting position
- | Half sitting position
- | Lateral position

DESCRIPTIONS

SPECIFICATIONS

Size: W21 x D37 x H26 cm / W8.3 x D14.6 x H10.2 inch Weight: 2.6 kg / 5.7 lbs

SET INCLUDES

1 head/neck manikin	1 simulated residue	1 storage case
1 base	1 mirror	1 instruction manual
1 normal denture	2 sponge-tipped swabs	
1 denture with tooth disease	1 toothbrush	
1 denture case	1 denture brush	

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11408-020	normal denture
11408-030	denture with tooth disease
11408-010	simulated residue

* Instruments are not included.

MW43



"AbdoAbby" Abdominal Examination Simulator

Realistic tactile representation of abdominal organs to cultivate the sense of touch and serve as a benchmark during palpation

Product Supervision

Takahiro Amano, M.D.,
Senior Advisor for Academic Affairs and Professor
International University of Health and Welfare,
Honorary Director Sanno Medical Center, Japan

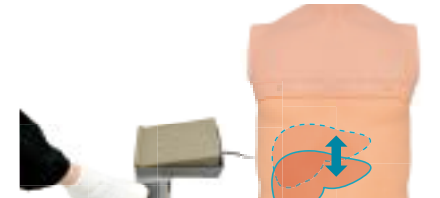
Kyoko Arai
RN, PHN, PhD, Professor,
School of Nursing, University of Shizuoka, Japan



Interchangeable organs



Supple, resilient and delicate texture



Respiratory motion

FEATURES

- 1 | Supple, resilient, and delicate textures which allow both shallow and deep palpation
- 2 | Interchangeable organs
- 3 | Respiratory motion
- 4 | Abdominal auscultation

SKILLS

- | Visual Inspection
- | Auscultation
 - renal artery, abdominal aorta, iliac artery and bowel sounds
- | Palpation
 - liver, spleen, kidney, uterus and lymphoma
- | Percussion
 - liver, spleen and rib

KEY FEATURES

Bony landmarks

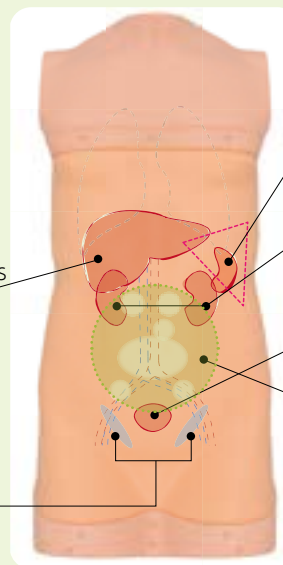
- | Pelvis
- | Ribs
- | Lower rib cage
- | Costal margin
- | Xiphisternum
- | Pubic crest
- | Anterior superior iliac spines

Liver

- | Normal
- | Chronic hepatitis
- | Precirrhosis
- | Cirrhosis

Inguinal area

- | Normal
- | Lymphoma



Spleen

- | Normal
- | Enlarged
- | Slightly enlarged

Kidney

- | Normal
- | Hydronephrosis
- | Polycystic kidney

Uterus

- | Normal
- | Myoma

Bruits and sounds

- | Renal artery
- | Abdominal aorta
- | Iliac artery
- | Bowel sounds

DESCRIPTIONS

For product codes of the alternate skin tone versions of this model, please refer to www.kyotokagaku.com.

SPECIFICATIONS

Size: 40 x 80 x 20 cm / 15.7 x 31.5 x 7.9 inch
Weight: 14kg / 30.9lbs

MATERIALS

Soft resin, Latex free

SET VARIATIONS

11423-999A MW43 light skin tone
11423-999A-D MW43 dark skin tone
11423-999 MW43 without stethoscope, light skin tone
11423-999-D MW43 without stethoscope, dark skin tone

SET INCLUDES

- | | |
|---|---|
| 1 torso unit | 2 inguinal lymph nodes (normal, lymphoma) |
| 1 talcum powder | 2 uterus (normal, fibroid) |
| 1 set of the respiratory motion control unit | 1 simulated stethoscope |
| 2 kidneys (hydronephrosis, cysts) | 1 controller |
| 2 spleens (slightly enlarged, enlarged) | 1 AC adapter |
| 4 livers (precirrhosis, cirrhosis, chronic hepatitis, normal) | 3 storage cases |
| | 1 instruction manual |

MW30

Head and Neck Palpation Trainer

New, innovative and ultra-realistic touch, designed to standardize palpation experiences

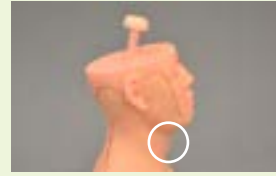
With realistic tactile material, this head and neck palpation trainer provides a sensation similar to human skin

Product Supervision

Junji Otaki,
professor and acting chief of the center,
Center for Medical Education,
Hokkaido University



KEY FEATURES



Swallowing

Swallowing motion to identify and assess the thyroid gland



Sites

Various deviations



Close-to-real-life sensation

Supple, resilient and delicate texture.

FEATURES

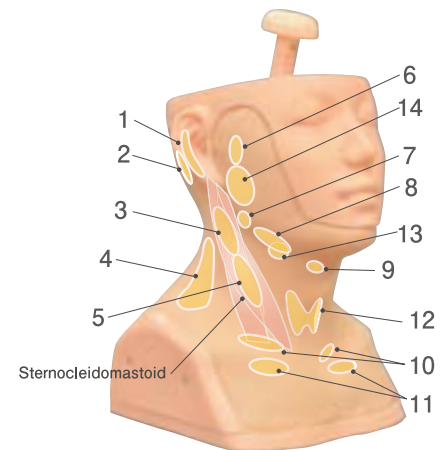
- 1 | Provides opportunities for hands-on training.
- 2 | Abnormal findings to complement training with healthy simulated patients
- 3 | Ensures that trainees share the same tactile sensation to specify the findings
- 4 | Maintain objective approaches for skills examination

SKILLS

- Palpation of head and neck for lymph nodes, thyroid and salivary glands
- Palpation skills to support clinical reasoning

CASES

	Sites	Findings
1	Posterior auricular nodes	Edema/Hard
2	Occipital nodes	N/A
3	Superficial cervical nodes	Edema/Palpable
4	Posterior cervical nodes	Edema/Palpable
5	Deep cervical nodes	Edema/Palpable
6	Pre-auricular nodes	Edema/Hard
7	Tonsillar nodes	Edema/Palpable
8	Submandibular nodes	Edema/Palpable
9	Submental nodes	Edema/Palpable
10	Supraclavicular nodes	Edema/Hard/Immovable
11	Subclavicular (infraclavicular) nodes	Edema/Hard/Immovable
12	Thyroid gland	Graves' disease
13	Submandibular gland	As hard as an enlarged lymph node
14	Parotid gland	As hard as an enlarged lymph node



MW31 Head and Neck Palpation Trainer for OSCE

The palpable nodes and glands in the standard type are distributed between two identical manikins for use in situations like student exams or skill checking.

Internal findings

- A** left side: 6/1/3/10 right side: 4/5/13/12
- B** left side: 3/13/ 9/5 right side: 4/11/5

DESCRIPTIONS

SPECIFICATIONS

Size: 29x29x47cm / 11.4x11.4x18.5 inch Weight: 6.5kg / 14.3lbs

SET INCLUDES

- 1 head and neck manikin with storage case
- 1 instruction manual

MATERIALS

Soft resin
Latex free



Physical Assessment Simulator "Physiko"

Physiko is more than just a simulated patient

Physiko is designed to simulate physical assessment situations for health care trainees. Twelve preset cases simulate typical chief complaints of patients to provide practical experience in abnormal findings.

Product Supervision

Toyoaki Yamauchi, MD, ND, PhD
Professor
Department of Nursing Graduate School of
Medicine Nagoya University



CASES

Assessment item	Condition		
Pupillary reflex	Normal	Pupillary constriction	
	Pupillary dilation	Bilateral asymmetry	
Blood pressure	Arbitrary-setup		
Auscultation of lung sounds	Normal	Bronchial breathing	Wheezes
	Weak in the left lung	Coarse crackles	Rhonchi
	Absent in the right lung	Fine crackles	
Auscultation of heart sounds	S2 split (-)	Aortic stenosis	Atrial fibrillation
	S2 split (+)	Mitral regurgitation	Arterial flutter
	S3 gallop	Mitral stenosis	Premature ventricular contraction (single)
	S4 gallop	Aortic regurgitation	Ventricular flutter
	S3 and S4 gallop	Sinus tachycardia	Ventricular fibrillation
	Innocent murmur	Sinus bradycardia	Sound volume adjuster
Auscultation of bowel sounds	Normal	Decrease	Ileus
	Increase	Subileus (Obstruction)	
ECG simulation	Normal	Ventricular flutter	
	Atrial fibrillation	Ventricular fibrillation	
	Atrial flutter	Myocardial infarction (acute stage)	
	Premature ventricular contraction	Myocardial infarction (subacute stage)	
	Ventricular tachycardia	Myocardial infarction (chronic stage)	

Pupillary reflex



Auscultation of lung sounds



Physical Assessment Mode 1

Patient Cases

Physiko's twelve preset patient scenarios cover typical complaints such as thoracic pain and breathing difficulty.

Top menu



Choose a patient



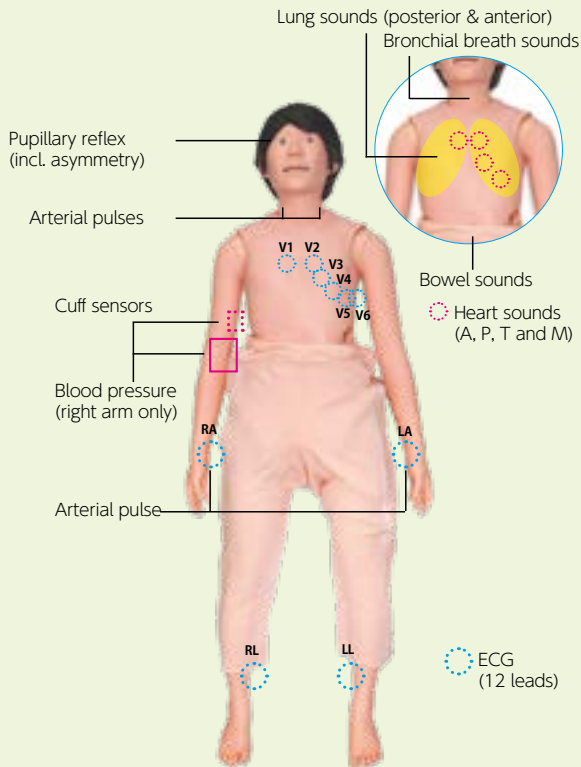
Start a session



Cases Comprehensive examination of 12 typical patients

Case	Age, Sex	Condition
Thoracic Pain	58, Male	Myocardial Infarction
	55, Male	Dissecting Aortic Aneurysm
	76, Female	Lung Infarction
	28, Male	Intercostal Muscle Ache
Abdominal Pain	26, Female	Ileus
	19, Male	Diarrhea

Case	Age, Sex	Condition
Unconscious	36, Female	Brain Hypertension
	84, Female	Pneumonia
Stuffy Feeling	66, Male	Chronic Obstructive Lung Disease (COPD)
	70, Male	Pulmonic Fibrosis
	73, Male	Heart Failure
	21, Female	Anemia



Physical Assessment Mode 2

Patient Cases Editor

Users can create new simulated patients by selecting from the built-in options.



Physical Assessment Skills Training

Individual Examination Skills Training

Physiko allows individual assessment skills training



- Pupillary reflex
- Blood pressure
- Auscultation of lung sounds
- Auscultation of heart sounds
- Auscultation of bowel sounds
- ECG simulation

DESCRIPTIONS

SPECIFICATIONS

Size: 155cm/61 inch Weight: 24kg/53lbs
 Power: AC100V-240V 50/60Hz
 Power Consumption: 70W

SET INCLUDES

- 1 manikin
- 1 terminal box
- 1 ECG electrodes unit
- 1 laptop PC
- 1 sphygmomanometer unit
- 1 set of clothes
- 1 microphone

MATERIALS

Soft resin, hard resin
 Latex free

Physical Assessment Simulator "Physiko" Plus

*only M55C has the CE certificate

Learning-to-Listen features open wider possibilities for training

"Learning-to-Listen" training: teaching medical students to anticipate, describe and identify physical examination findings.

The goal of "Learning-to-Listen" is to provide learners with deliberate practice in the recognition and interpretation of clinical findings obtained during the auscultation of the heart sound.

Product Supervision

Toyoaki Yamauchi, MD, ND, PhD
Professor
Department of Nursing Graduate School of
Medicine Nagoya University



KEY FEATURES

Learning-to-Listen

Nine modules with contrasting scenarios to facilitate learning for all medical and nursing students.

- In each module, preset patients are prepared for individual physical assessment.
- After the physical assessment, trainees can take programmed heart sound test.

Select a module



Select a patient



Physical assessment



Heart sound test



Physical Assessment Mode 1

Patient Cases

Physiko's twelve preset patient scenarios cover typical complaints such as thoracic pain and breathing difficulty.

Top menu



Choose a patient



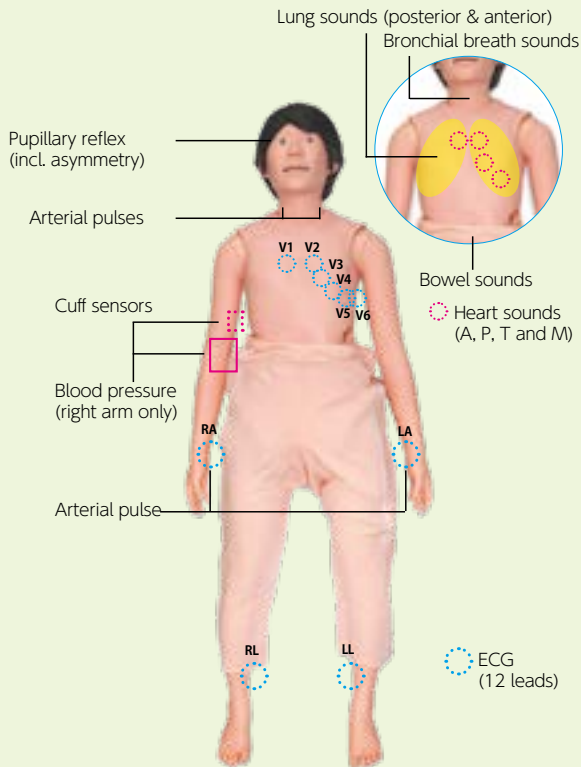
Start a session



Cases Comprehensive examination of 12 typical patients

Case	Age, Sex	Condition
Thoracic Pain	58, Male	Myocardial Infarction
	55, Male	Dissecting Aortic Aneurysm
	76, Female	Lung Infarction
	28, Male	Intercostal Muscle Ache
Abdominal Pain	26, Female	Ileus
	19, Male	Diarrhea

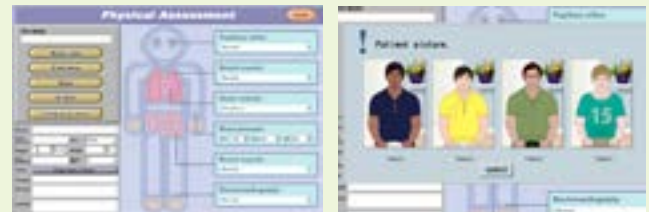
Case	Age, Sex	Condition
Unconscious	36, Female	Brain Hypertension
	84, Female	Pneumonia
	66, Male	Chronic Obstructive Lung Disease (COPD)
Stuffy Feeling	70, Male	Pulmonic Fibrosis
	73, Male	Heart Failure
	21, Female	Anemia



Physical Assessment Mode 2

Patient Cases Editor

Users can create new simulated patients by selecting from the built-in options.



Physical Assessment Skills Training

Individual Examination Skills Training

Physiko allows individual assessment skills training



- Pupillary reflex
- Blood pressure
- Auscultation of lung sounds
- Auscultation of heart sounds
- Auscultation of bowel sounds
- ECG simulation

DESCRIPTIONS

SPECIFICATIONS

Size: 155cm/61 inch Weight: 24kg/53lbs
 Power: AC100V-240V 50/60Hz
 Power Consumption: 70W

SET INCLUDES

- 1 manikin
- 1 terminal box
- 1 ECG electrodes unit*
- 1 laptop PC
- 1 sphygmomanometer unit
- 1 set of clothes
- 1 microphone

*ECG electrodes unit is not included in M55C

MATERIALS

Soft resin, hard resin
 Latex free

MW10



Cardiology Patient Simulator "K" II

Hone your senses and skills for bedside cardiology

See, listen, and feel.

The cardiology patient simulator K II provides comprehensive hands-on training in cardiology and its complications.

Product Supervision:

Japanese Educational Clinical Cardiology Society,
Toshio Amano, Masaya Kino, Takaharu Saito, Tsunekazu Takashina



CASES

(MODE 1) Comprehensive patient simulation with sounds, pulses, apex beats and ECG

No.	Normal heart simulation (12 cases)	No.	Heart disease simulation (14 cases)	No.	Arrhythmia (10 cases)
A-01	S2 split (-) HR: 60	B-01	aortic stenosis	C-01	sinus arrhythmia
A-02	S1 split (+)	B-02	mitral regurgitation	C-02	sinus tachycardia
A-03	S2 split (+)	B-03	mitral stenosis	C-03	sinus bradycardia
A-04	S2 wide split	B-04	aortic regurgitation	C-04	ventricular premature contraction (1)
A-05	S3 gallop	B-05	hypertrophic cardiomyopathy	C-05	ventricular premature contraction (2)
A-06	S4 gallop	B-06	mitral steno-regurgitation	C-06	ventricular premature contraction (3)
A-07	pulmonic ejection sound	B-07	pulmonic valvular stenosis	C-07	sino-atrial block
A-08	S3 and S4 gallop	B-08	atrial septal defect	C-08	atrio-ventricular block
A-09	innocent murmur	B-09	ventricular septal defect	C-09	atrial fibrillation
A-10	midsystolic click sound	B-10	tricuspid regurgitation	C-10	atrial flutter
A-11	S2 split (-) HR: 72	B-11	acute mitral regurgitation		
A-12	S2 split (-) HR: 84	B-12	patent ductus arteriosus		
		B-13	mitral valvular prolapse		
		B-14	dilated cardiomyopathy		

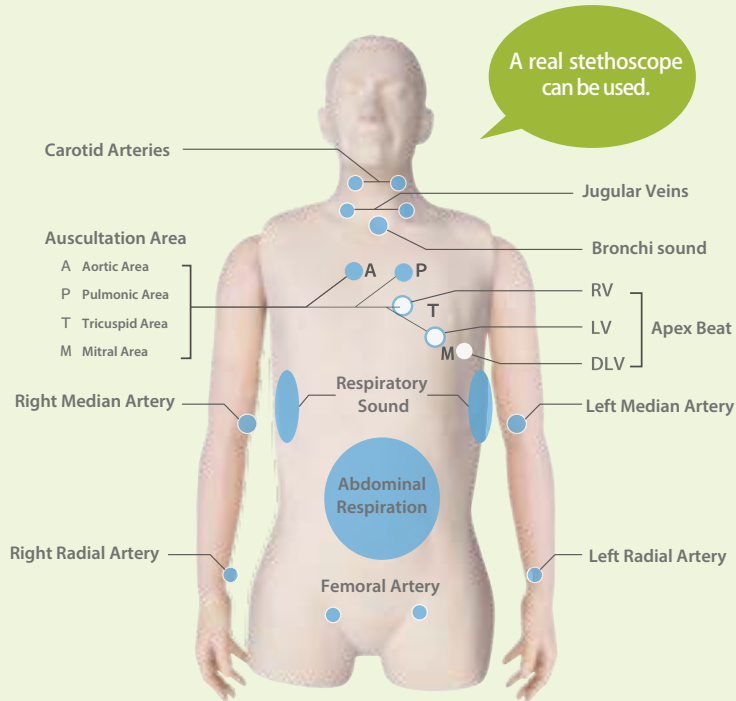
(MODE 2) Arrhythmia simulation, auscultation training with ECG

A		B		C		D	
A-01	normal sinus R	B-01	atrial flutter	C-01	VVI pacemaker	D-01	vpc (quadrigeminy)
A-02	sinus tachycardia	B-02	av block	C-02	atrial pacemaker	D-02	vpc (trigeminy)
A-03	sinus arrhythmia	B-03	av block & crbbb	C-03	vent pacemaker	D-03	vpc (bigeminy)
A-04	apc solitary	B-04	av block (digial)	C-04	av seq pacemaker	D-04	vpc (couplet)
A-05	apc bigeminy	B-05	av block (mobitz)	C-05	icrbbb	D-05	pvc (repetitive)
A-06	ectopic pacemaker	B-06	av block (mobitz)	C-06	crbbb	D-06	pvc (R-on-T type)
A-07	wondering pacemaker	B-07	av block (3:1&4:1)	C-07	clbbb	D-07	non-sustained VT
A-08	coronary sinus R	B-08	av & crbbb	C-08	clbbb	D-08	vent tachycardia
A-09	sinus bradycardia	B-09	paroxy atr tachy	C-09	clbbb (by ami)	D-09	vent flutter
A-10	ss syndrome	B-10	av junc R(svst)	C-10	wpw syndrome	D-10	vent fibrillation
A-11	atrial fibrillation	B-11	av junc R (pat)	C-11	wpw syndrome	D-11	vent R (sinus cond)
A-12	atrial flutter	B-12	av junc R	C-12	wpw syndrome	D-12	accel vent rhythm
A-13	atrial flutter fib	B-13	ac junc contraction	C-13	vpc (solitary)	D-13	agonal rhythm

Basic Skill Training

Physical findings of Simulator "K" II

Comprehensive Clinical Examination Training



Heart Sounds and Murmurs

Auscultation synchronized with electrocardiograms and findings.

- differentiation of S1, S2, S3 and S4
- distinction between systolic and diastolic murmurs

Pulse examination

Slight variations of the arterial pulse waves under different cardiac conditions or arrhythmias can be detected by pulse examination.

Observation of Jugular Veins

The strength and timing of "α" and "V" waves vary with cases.

Palpation of Apex Beat

Simulated RV, LV and DLV can be palpated

Monitoring Screen

Real time dynamic charts on the screen:

- phonocardiogram
- sphygmogram (CAP/JVP/AC)
- electrocardiogram (ECG)

Respiratory Sounds and Abdominal Movement

Respiratory cycles are represented to understand respiratory conditions.

For Effective Training Sessions

Up to 5 Simulators at One Time

OSCE, group session, and scenario-based simulation



Up to five cardiology simulated cases can be controlled by one wireless tablet. Different conditions can be set in each simulator.

The system allows for:

- scenario-based training involving more than one patient.
- skills assessment sessions with different cardiovascular stations.

Playlist System

Simulator "K" is not just for individual task training.

The incorporated "Play List Maker" facilitates creation of scenario-based training sessions with conditions that vary over time.

Playlist Maker facilitates:

- sessions with temporal change in physical findings.
- standardization of training contents among different instructors.
- saving time for preparation.

Ready-to-use

Simple connection and all-in-one unit structure.

Error Indicator

The error indicator performs check-up of the system to keep Simulator K in its best condition.

DESCRIPTIONS

SPECIFICATIONS

Size: 145 x 75 x 170 cm/57 x 30 x 70 inch

Weight: 145kg/320lbs

Power: AC100V-240V 50/60Hz

Power Consumption: 400W

MATERIALS

Soft resin, hard resin
Latex free

SET INCLUDES

1	main unit with the model body	1	tablet
1	external speaker (built-in)	1	rib sheet
1	PC / keyboard / mouse (built-in)	1	storage cover
1	air compressor unit (built-in)	4	textbooks
1	main monitor	2	instruction manuals
			-built-in help file of software operation
			-instruction manual

* A stethoscope is not included.

MW28



Lung Sound Auscultation Trainer "LSAT" II

Used by 96% of medical faculties in Japan.

Improve lung assessment skills by combining theory and practice with real lung sound recordings and case information.

Product Supervision

Chiharu Yoshii, M.D., Ph.D.,
Assistant Professor
Masamitsu Kido, M.D., Ph.D., Professor
Division of Respiratory Disease, University
of Occupational and Environmental Health,
Japan



* A stethoscope is not included.

CASES

Background heart sounds are available in 5 volume levels.

Normal	
A01	standard
A03	mildly strong sounds
A05	mildly rapid
A07	loud heart sounds

Coarse crackles	
C01	right lower area
C03	both lower area
C05	right upper and middle area
C07	left lower area
C09	both upper area
C11	whole area

Wheezes	
E01	upper area 600-700Hz
E03	upper area 350-450Hz
E05	upper area 200-1000Hz

Miscellaneous continuous sounds	
G01	stridors
G03	squawks

Abnormal	
B01	weak: left lower area
B02	weak: left whole area (adhesion)
B05	weak: left whole area(pneumothorax)
B07	absent: right middle and lower areas
B09	weak: right whole area
B11	absent: right whole area
B13	weak: whole area
B15	bronchial breathing

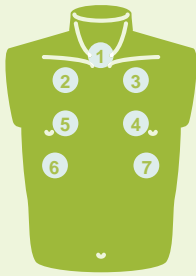
Fine crackles	
D01	both lower area
D03	both middle lower area
D05	whole area (IPF)
D07	whole area (NSIP)

Rhonchi	
F01	trachea and upper area 150-250Hz
F03	trachea and upper area 150-450Hz (polyphonic)
F05	trachea and upper area 80-120Hz
F07	whole area 80-200Hz

Miscellaneous	
H01	pleural friction rubs: right lower and middle area
H03	pleural friction rubs: left lower area
H07	Hamman's sign
H09	Vocal fremitus

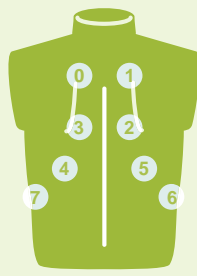
KEY FEATURES

Basic Features



Anterior

- 1. trachea
- 2. upper right lung field
- 3. upper left lung field
- 4. middle left lung field
- 5. middle right lung field
- 6. lower right lung field
- 7. lower left lung field

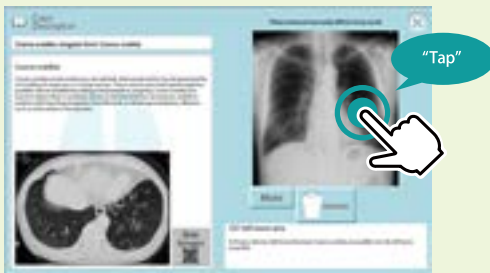


Posterior

- 0. upper left lung field
- 1. upper right lung field
- 2. middle right lung field
- 3. middle left lung field
- 4. lower left lung field
- 5. lower right lung field
- 6. right costophrenic angle
- 7. left costophrenic angle

Case Information

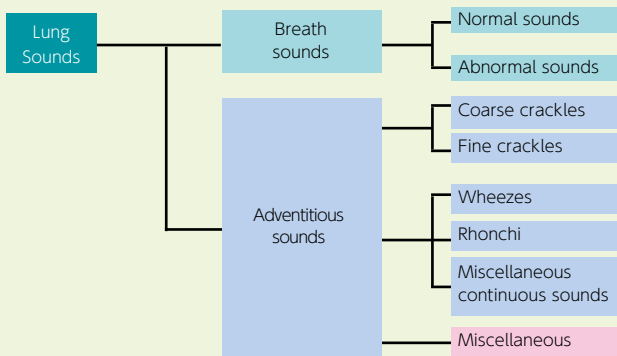
Images of plain X-ray, CT and bronchoscopy are included.



Lung sound of each area can be played by tapping the plain X-ray image

Classification of Lung Sounds

Based on acoustic analysis of recorded lung sounds, each one is classified according to the American Thoracic Society's standards. With this approach, lung sounds are categorized as continuous (wheezes, rhonchi, or stridor) or discontinuous (crackles). Crackles are further identified as fine or coarse.



NEW Features



Wireless multi-unit operation

Up to five "LSAT" can be controlled by one tablet.



- Each simulator can be individually programmed
- Cases can be switched at any time with a simple touch



Simultaneous anterior and posterior auscultation

Two or more trainees can work together at the same time



LED light panel to indicate inspiration and expiration

Attention to respiration rate while auscultating during examination



Create a custom playlist

Playlist mode with 36 different cases enables optimization of training sessions.

DESCRIPTIONS

SPECIFICATIONS

Size: W39 x D49 x H127 cm /
W15.3 x D19.3 x H50 inch
Power: AC100V-240V 50/60Hz
Power Consumption: 180W

MATERIALS

Soft resin
Latex free

SET INCLUDES

- 1 LSAT II main unit
- 1 external speaker incl.
- 1 tablet
- 1 LSAT T-shirt
- 1 instruction manual

MW12



EAR Examination Simulator II

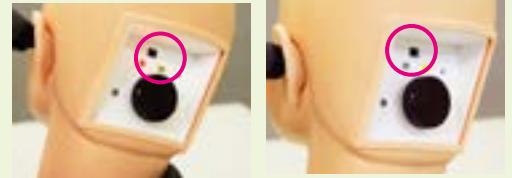
Practice patient-focused care during an otoscopy

EAR II is an otoscopy simulator that focuses on patient safety.

With a sensitive alarm system, patient discomfort can be alerted when the otoscope is excessively inserted.



KEY FEATURES



Alarm indicating painful insertion



Quick switching between cases

FEATURES

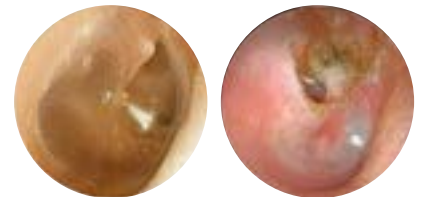
- Alarm indicating painful insertion:
 - beep (self-learning mode)
 - silent, red light/yellow light (instructor mode)
- 9 preset cases
- Quick switching between cases
- Ear canals come in 2 sizes - normal and stenosis
- Includes simulated foreign bodies and ear wax
- Anatomically accurate and soft ears with auricles that can be pulled to straighten the auditory canal
- Work with an actual otoscope
- The manikin neck can be tilted
- Training is possible with both left and right ears

SKILLS

- Ear examination with a real otoscope
- Ear wax and foreign body removal

CASES

- normal
- serious otitis media (SOM)
- mucoid otitis media (MOM)
- chronic otitis media with perforation
- acute suppurative otitis media (AOM)
- cholesteatoma
- tympanosclerosis
- traumatic perforations
- cerumen block



normal

cholesteatoma

DESCRIPTIONS

For product codes of the alternate skin tone versions of this model, please refer to www.kyotokagaku.com.

SPECIFICATIONS

Size: 42 x 22 x 39 cm / 16.5 x 8.7 x 15.3 inch Weight: 1.75kg / 3.85lbs

SET INCLUDES

1 manikin head and shoulder	1 types of ear units -1 pair each
1 set of foreign body removal kit	-exam ear (normal)
-simulated ear wax, small objects and a spoon	-exam ear (stenosis)
	-FB ear (normal)
1 instruction manual	-FB ear (stenosis)

REPLACEMENT PARTS

11391-010	ear units and foreign body set
	-4 types of ear units - 1 pair each
	ear exam (normal), ear exam (stenosis), FB ear (normal), FB (stenosis)
	-1 set of foreign body removal kit
	simulated ear wax, small objects and a spoon

SET VARIATIONS

11391-000	MW13 light skin tone
11391-000-D	MW13 dark skin tone

M82



EYE Examination Simulator (3 steps)

M82A

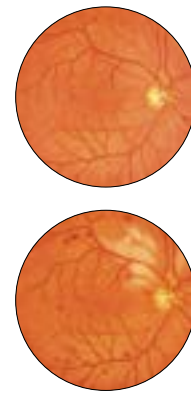
EYE Examination Simulator (2 steps)

Practical fundus examination simulator with 10 clinical images and variations.

An innovative trainer for fundus examination compatible with actual ophthalmoscope
Various cases can be set using a combination of slides, depth variations and pupil diameter

Product Supervision

Japan Society for Medical Education
Working Group with the cooperation of:
Kansai Medical University Department of Ophthalmology



◀ Normal eyeground

◀ Hypertensive retinopathy

FEATURES

- 1 | 10 fundus slide cases of common eye diseases
- 2 | Real clinical images
- 3 | Lens-equipped eyeball units that simulate the visual axis of the human eye
- 4 | Soft and supple material, making the raising of the eyelid realistic
- 5 | Adjustable depth of the fundus slides: hyperopic, normal, and myopic views.
- 6 | Red reflex can be detected
- 7 | Different sizes of pupil can be set at 3 steps in M82, 2 steps in M82A

SKILLS

- Fundus examination with real ophthalmoscope

CASES

- | Normal fundus
- | Hypertensive retinopathy:
 - Grade 3 arteriolar vasoconstriction
 - Grade 1 arteriosclerosis
 - hemorrhages and cotton wool spots
 - simple vein concealment
- | Diabetic retinopathy:
 - microaneurysm, hemorrhages and hard exudates
- | Papilloedema (chronic phase)
- | Papilloedema (acute phase)
- | Glaucomatous optic atrophy:
 - glaucomatous optic disc cupping and nerve fiber defect
- | Retinal vein occlusion (acute phase):
 - flame-shaped hemorrhage and cotton wool spots
- | Retinal vein occlusion (post retinal laser photocoagulation)
- | Toxoplasmosis: retinochoroiditis
- | Age-related macular degeneration:
 - macular exudates and subretinal hemorrhage

※M82A includes two normal fundus slides.

DESCRIPTIONS

For product codes of the alternate skin tone versions of this model, please refer to www.kyotokagaku.com.

SPECIFICATIONS

Size: W42 x D22 x H39 cm / W16.5 x D8.7 x H15.4 inch Weight: 2kg / 4.4lbs

SET INCLUDES

1 manikin head and shoulder	1 set of case slides(10 cases)
- 3 steps (2, 3.5, 5 mm dia.) *M82	1 slide duster
- 2 steps (3.5, 8mm dia.) *M82A	1 storage case
1 - 1 slide holder with 3 steps depth setting	1 instruction manual

MATERIALS

*Latex is included in the blower

REPLACEMENT PARTS

11220-010 1 set of replacement fundus case slides (10 cases)

SET VARIATIONS

11220-000 M82 light skin tone
 11220-000-D M82 dark skin tone
 11220-999A M82A light skin tone
 11220-999A-D M82A dark skin tone

* ophthalmoscope is not included.

MW45



Nasopharyngeal Swab Collection Simulator

For training to healthcare professionals who conduct virus testing for the first time



FEATURES

- 1 | When swab reaches the right position in the nasal cavity, the swab will be pigmented in blue
- 2 | Ways to use tongue depressor with swabs can be practiced.
- 3 | The shape of the left and right nasal cavity is different.
- 4 | The product comes with a cross sectional model.

SKILLS

- | Training to healthcare professionals who conduct virus testing for the first time.

DESCRIPTIONS

SPECIFICATIONS

Size: W42 x D23 x H38 cm/W16.8 x D9.2 x H15.2 in Weight: 2.15 kg / 4.73 lbs

MATERIALS

Soft resin, Hard resin
Latex free

SET INCLUDES

- 1 main model
- 1 cross sectional model
- 1 syringe (10ml)
- 1 disposable cup
- 10 cotton swab blue (set of 10)
- 1 instruction manual
- 1 storage case
- 6 replacement pads

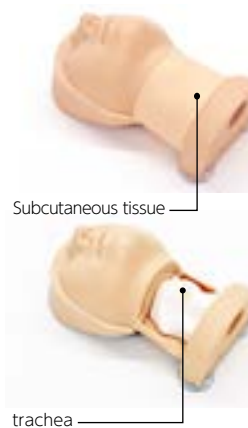
REPLACEMENT PARTS

- 11426-010 replacement pad (set of 5)
- 11402-010 cotton swab blue (set of 10)

MW60

Tracheostomy Simulator

Simulator for percutaneous tracheostomy, puncture and incision of cricothyroid ligament



FEATURES

- 1 | Anatomically correct cricoid cartilage and thyroid cartilage with life-like senses of touch.
- 2 | Multiple use possible by rotation of neck skins.
- 3 | Adhesive discs to hold the manikin head in place during the procedure.

SKILLS

- | Percutaneous tracheostomy
- | Puncture and incision of cricothyroid ligament

DESCRIPTIONS

SPECIFICATIONS

Size: W13.5 x D24 x H12.5cm Weight: 1.7kg
W17.7 x 7.9 x H9.8 inch

SET INCLUDES

- 1 main body
- 1 skin for tracheostomy(set of 3)
- 1 subcutaneous tissue for
- 1 tracheostomy(set of 3)
- 1 cricoid cartilage
- 1 instruction manual

MATERIALS

soft resin, Hard resin
Latex free

REPLACEMENT PARTS

- 11442-010 Skin for tracheostomy (set of 3)
- 11442-020 subcutaneous tissue for tracheostomy (set of 3)

M92



Digital Rectal Examination Simulator

This Digital Rectal Examination Simulator is a unique trainer designed for palpation training to identify rectal tumors and polyps.



FEATURES

- 1 | 4 interchangeable rectum units for identification of lesion types.
- 2 | Normal prostate or endocervix can also be palpated.
- 3 | Life like rectum is palpable up to 7cm deep
- 4 | High-fidelity sphincter resistance and feeling of rectum wall allow for excellent hands-on DRE training before examining actual patients.

SKILLS

- | Digital palpation of the prostate

DESCRIPTIONS

SPECIFICATIONS

Size: W37 x D28 x H30 cm
W14.5 x D11 x H11.8 inch
Weight: 6kg / 13.3lbs

SET INCLUDES

1 lumbar torso (unisex)	1 prostate unit
4 rectum units:	1 endocervix unit
1 normal	1 Vaseline
2 rectal cancers	1 storage case
1 rectum with polyps	1 instruction manual

REPLACEMENT PARTS

11269-210	1 rectum unit #1 (normal)
11269-220	1 rectum unit #2 (cancer A)
11269-230	1 rectum unit #3 (cancer B)
11269-240	1 rectum unit #4 (rectum with polyps)
11269-150	1 prostate unit
11269-160	1 endocervix unit

M53B



Prostate Examination Simulator

Prostate Examination Simulator provides realistic training in prostate palpation skills with its soft life-like anus and rectum material.



FEATURES

- 1 | Ten cases of prostate are set on a rotating table inside the body
- 2 | The cases are easily changeable
- 3 | Three patient positions are possible: supine, prone and lateral position

SKILLS

- | Digital palpation of the prostate

CASES

- | 2 normal, 2 enlargements, 5 carcinomas, 1 prostatitis

DESCRIPTIONS

SPECIFICATIONS

Size: W30 x D36 x H24 cm
W11.8 x D14.2 x H9.4 inch

Weight: 5.1kg/ 10.9lbs

MATERIALS

Soft resin, Hard resin
Latex free

SET INCLUDES

1 male lumbar torso (anus pad incl.)
1 rotating unit
10 prostate cases: 2 normal,
2 enlargements, 5 carcinomas
and 1 prostatitis
1 lubricant gel
1 pair of gloves
1 storage case
1 instruction manual

REPLACEMENT PARTS

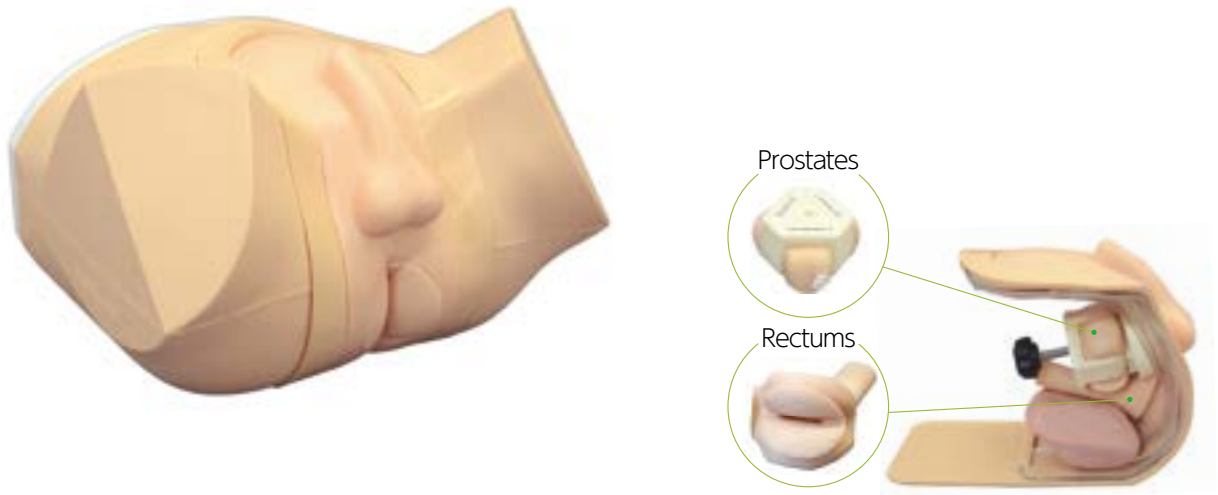
11272-040	1 anus pad
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MW20

Prostate and Rectal Simulator

2-in-1 simulator for prostate and rectal exams

The Prostate and Rectal Simulator includes 9 types of prostates and 4 types of rectums which can easily be changed. The lower torso manikin can be positioned in 3 different ways.



FEATURES

- 1 | Nine types of prostates
- 2 | Four rectum units
- 3 | Concurrent training with multiple prostates and rectal cases is time-efficient
- 4 | Lateral, supine and prone positioning
- 5 | The different units can easily be changed

SKILLS

- | Digital-examination of the prostate and rectum
- | Insertion and the use of the anal-scope and the proctoscope

KEY FEATURES

Cases: Nine types of Prostates



- | | | |
|------------------|----------------|----------------|
| #1 normal | #4 prostatitis | #7 carcinoma 3 |
| #2 enlargement 1 | #5 carcinoma 1 | #8 carcinoma 4 |
| #3 enlargement 2 | #6 carcinoma 2 | #9 carcinoma 5 |

Cases: Four Rectum Units



- | | |
|--------------------|--|
| #1 normal | #3 large carcinoma |
| #2 small carcinoma | #4 polyp combined with small carcinoma |

DESCRIPTIONS

SPECIFICATIONS

Size: 34 x 33 x 24 cm/13.4 x 13 x 9.4 inch

SET INCLUDES

1	lower torso manikin	4	rectum units
3	prostate units	1	Vaseline
	(include a total of 9 types of prostates)	1	storage case

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11399-010	prostate unit A (normal, enlargement 1&2)
11399-020	prostate unit B (prostatitis, carcinoma 1&2)
11399-030	prostate unit C (carcinoma 3,4&5)
11399-040	rectum (normal)
11399-050	rectum (small carcinoma)
11399-060	rectum (large carcinoma)
11399-070	rectum (polyp with small carcinoma)
11399-080	skin

US-11

Scrotal Ultrasound Phantom

Master techniques for a safe and painless examination

Hands-on training to accurately diagnose scrotum abnormalities

Product Supervision

Charlotte Henningsen, MS, RT(R), RDMS, RVT,
FSDMS, FAIUM
Chair & Professor - Sonography Department
Adventist University of Health Sciences

FEATURES

- 1 | Two types of interchangeable scrotums: normal and with pathologies
- 2 | Excellent ultrasound image quality

SKILLS

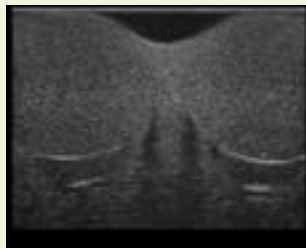
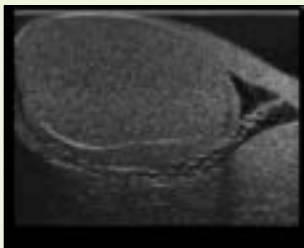
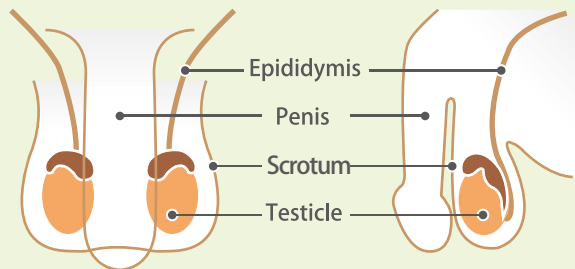
- | Patient positioning and preparation for examination
- | Scrotal ultrasound screening
- | Visualization of testicular cancer



KEY FEATURES

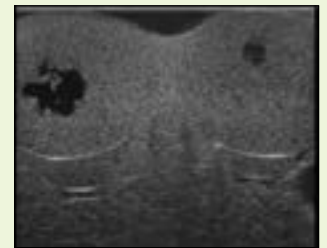
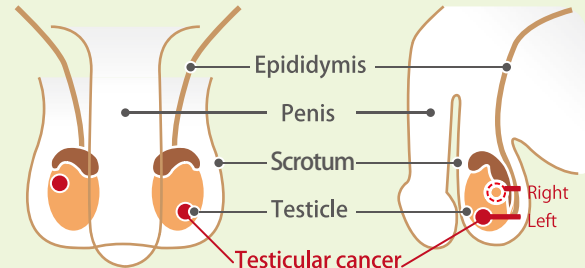
Normal phantom

- scrotum, testicle, epididymis and penis



Pathological phantom

-scrotum, testicle, epididymis and penis
-testicular cancer (each one in left and right testis, 10mm dia.)



DESCRIPTIONS

SPECIFICATIONS

Size: 34 x 33 x 24 cm/13.4 x 13 x 9.4 inch

Weight: 3.6kg / 7.9lbs

SET INCLUDES

- 1 pelvic body
- 1 normal scrotum
- 1 pathological scrotum
- 1 storage case
- 1 instruction manual
- 1 talcum powder

REPLACEMENT PARTS

- 41911-010 1 normal scrotum unit
- 41911-020 1 pathological scrotum unit

* Ultrasound scanner is not included.

MW24

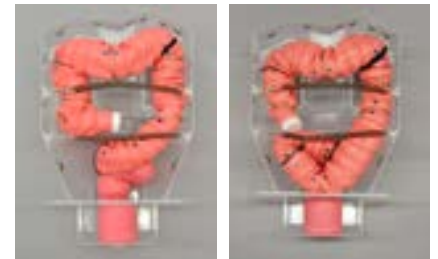
3D Colonoscope Training Simulator NKS

Three-dimensional representation of colon, based on analytical study of CT Colonoscopy (CTC) data

The three-dimensional structure of the colon provides hands-on training for a variety of skills such as prevention of loop forming, reduction of loops including a loop at LCF as well as insertion technique which forms a loop intentionally.

Product Supervision

Katuhisa Noda, MD, Noda-Genki Clinic
Takatoshi Kitada, MD, Kitada Clinic
Yasumoto Suzuki, MD, Matsushima Clinic



Short alpha loop

Long alpha loop



N loop

FEATURES

- 1 | Transparent skeleton body allows direct observation of the position of the tip of the scope as well as form of the colon.
- 2 | Stable rectal anatomy: the simulator is designed to acquire colonoscopy skills that use the three valves of Houston as landmarks, which appear at the same position every time.
- 3 | The sigmoid colon can be pre-set to take up any one of the three most common morphologies, which are derived from analysis of CTC. The patterns can be changed quickly by sliding attachments and moving the colon tube.
- 4 | The simulator is entirely water-resistant and can be cleaned easily by water.
- 5 | Light weight and compact, facilitating handling and transportation.

SKILLS

- | Colonoscopy insertion in three fundamental patterns:
 - Short alpha loop (pull back technique)
 - Long alpha loop (push forward technique)
 - N loop (pull back/push forward technique)
- | Colonoscopy insertion in three patient positions:
 - Left lateral
 - Right lateral
 - Supine
- | Manual abdominal compression

DESCRIPTIONS

SPECIFICATIONS

Size: 43 x 28 x 16 cm/17 x 11 x 6.3 inch
Weight: 6kg / 13.2lbs

MATERIALS

Soft resin, hard resin
Latex free

SET INCLUDES

1 skeleton body	1 slip resistant mat
1 abdominal membrane	1 plastic jar
1 body base	15 lubricant
1 colon-rectum tube (with a cap and a plug)	15 colonoscope gel
	1 storage case
	1 instruction manual

REPLACEMENT PARTS

11403-010
colon-rectum tube with a cap and a plug for MW24
11403-020
lubricant packs blue (15x50ml)
11403-030
endoscope gel (15x20ml)

* Colonoscope is not included.

M40

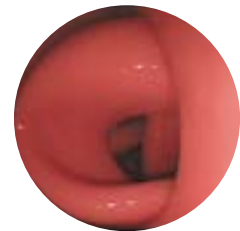
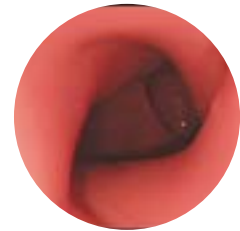


Colonoscope Training Simulator

Training for safe and effective colonoscopy

Soft and flexible colon tube provides a life like colonoscopy simulation

With focus on patient safety, skills like loop prevention can be practiced for safe advancement to the cecum



FEATURES

- 1 | Offers a variety of difficulty levels. From simple to complex cases
- 2 | The colon tube can be made airtight, allowing for air insufflation and suction
- 3 | The anal sphincter opening can be manipulated with a hand pump

SKILLS

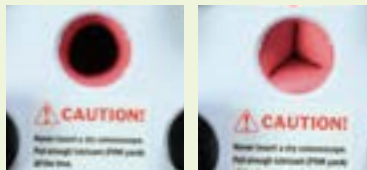
| Colonoscopy

KEY FEATURES

Select training difficulty level



Adjustable opening of the anus



Positioning of the body



DESCRIPTIONS

SPECIFICATIONS

Size: 48 x 22 x 30 cm/18.9 x 8.7 x 11.9 inch

Weight: 6.5kg / 14.3lbs

SET INCLUDES

1 abdomen model	30	endoscope lubricants (20 ml each)
1 colon rectum tube	1	plastic bottle
1 anus unit	1	stand
1 air bulb	1	rubber sheet
1 abdomen skin cover	1	anus plug
1 set colon fixture	1	training guide
5 colon layout guides (6 cases total)	1	storage case
30 lubricants for colon-rectum tube (50 ml each)	1	instruction manual

MATERIALS

Soft resin, hard resin
Latex free

REPLACEMENT PARTS

11361-010	1	colon-rectum tube
11361-020	1	anus unit
11361-030	1	colon fixture set
11361-120	1	set of colon layout guide
11361-040	30	lubricant for colon-rectum tube (blue packs) 30 pcs x 50 ml each
11361-050	30	endoscope lubricant (pink packs) 30 pcs x 20 ml each
11361-090	1	anus plug for MW40
11361-100	1	plastic bottle for MW40
11361-110	1	stand for MW40

* Colonoscope is not included.

US-1B



Ultrasound Examination Training Phantom "ABDFAN"

Abdominal ultrasound phantom with pathologies

Unique high-fidelity abdominal ultrasound phantom that facilitates effective training compatible with your own clinical devices.

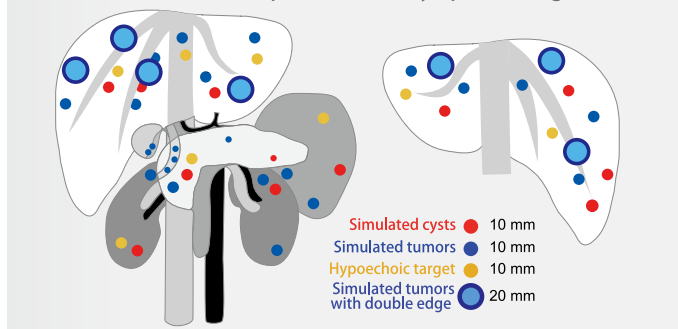
Product Supervision

Junji Machi, MD, PhD
University of Hawaii at Manoa and Kuakini Medical Center



Full set includes anatomical model "ECHO-ZOU"

Simulated lesions in liver, pancreas, kidney, spleen and gallbladder



FEATURES

- 1 | Detailed hepatobiliary, pancreatic and other abdominal anatomy
- 2 | Couinaud's eight hepatic segments can be localized.
- 3 | ABDFAN has various simulated lesions to provide wider training variety.

SKILLS

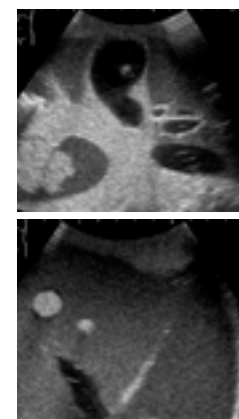
- | Basics of abdominal sonography:
 - Cross sections and sonographic anatomy
 - Sonographic demonstration of each individual organ
 - Localization of Couinaud's hepatic segments

Anatomy

- | Liver (segmental anatomy, portal and hepatic venous systems, ligamentum teres and ligamentum venosum)
- | Biliary tract (gallbladder, cystic duct, intrahepatic and extrahepatic bile ducts)
- | Pancreas (pancreatic duct)
- | Spleen / kidneys
- | Detailed vascular structures (aorta, vena cava, celiac artery and its branches, portal vein and its branches, superior mesenteric vessels, renal vessels, and more)

Pathologies

- | Hepatic lesions (cystic and solid)
- | Gallbladder and bile duct stones
- | Pancreatic tumors (one invading the portal vein)
- | Splenic lesions
- | Lesions in both kidneys
- | Left adrenal tumor



DESCRIPTIONS

SPECIFICATIONS

Size: 29x19x31cm / 11.4x7x12.2 inch Weight: 12kg / 26.5lbs

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

US-1B (41900-030) "ABDFAN"	US-1B (41900-100) "ABDFAN" full set
1 ultrasound phantom "ABDFAN"	1 ultrasound phantom "ABDFAN"
1 positioning pillow	1 anatomical model "ECHO-ZOU"
1 talcum powder	1 positioning pillow
1 tutorial manual (DVD)	1 talcum powder
1 storage case	1 tutorial manual (DVD)
1 instruction manual	2 storage cases
	1 instruction manual

US-1



Ultrasound Examination Training Phantom "ECHOZY"

Abdominal ultrasound phantom without pathologies

Unique high-fidelity abdominal ultrasound phantom that facilitates effective training compatible with your own clinical devices.

Product Supervision

Dr. Hitoshi Asai, Director
Osaka Kyoiku University, Health Administration Center
Dr. Shigeru Nakamura
Nagayoshi General Hospital, Clinical Examination Department



Full set includes anatomical model "ECHO-ZOU"

FEATURES

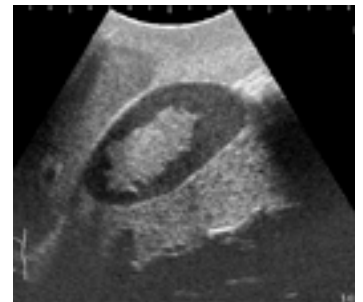
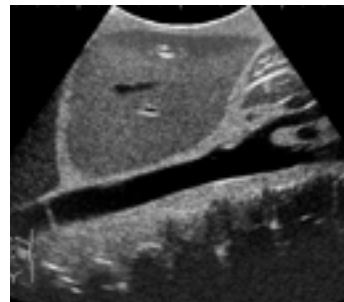
- 1 | Detailed hepatobiliary, pancreatic and other abdominal anatomy
- 2 | Eight Couinaud's hepatic segments can be localized.

SKILLS

- | Basics of abdominal sonography:
 - Cross sections and sonographic anatomy
 - Sonographic demonstration of each individual organ
 - Localization of Couinaud's hepatic segments

Anatomy

- | Liver (segmental anatomy, portal and hepatic venous systems, ligamentum teres and ligamentum venosum)
- | Biliary tract (gallbladder, cystic duct, intrahepatic and extrahepatic bile ducts)
- | Pancreas (pancreatic duct)
- | Spleen / kidneys
- | Detailed vascular structures (aorta, vena cava, celiac artery and its branches, portal vein and its branches, superior mesenteric vessels, renal vessels, and more)



DESCRIPTIONS

SPECIFICATIONS

Size: 29 x 19 x 31 cm/11.4 x 7 x 12.2 inch Weight: 12kg / 26.5lbs

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

US-1 (41900-010) "ECHOZY"	US-1 (41900-000) "ECHOZY" full set
1 ultrasound phantom "ECHOZY"	1 ultrasound phantom "ECHOZY"
1 set positioning pillow	1 anatomical model "ECHO-ZOU"
1 talcum powder	1 positioning pillow
1 storage case	1 tutorial manual (DVD)
	1 talcum powder
	2 storage cases

US-22

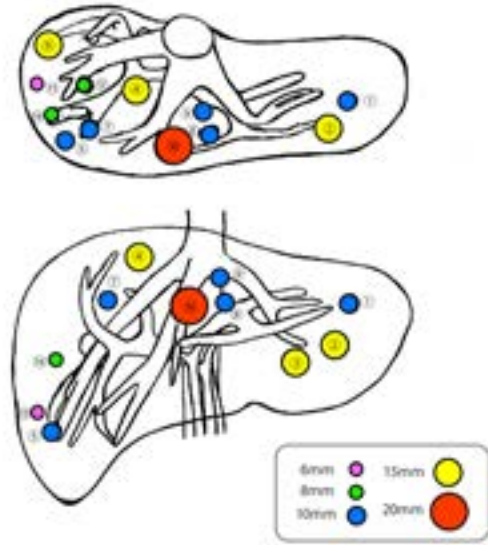
NEW

Dual Modality Human Abdomen Phantom (CT, Ultrasound)

This Multi-Modality Phantom is a suitable item to conduct studies and training of fusion imaging for a wide range of clinical applications (CT & Ultrasound).

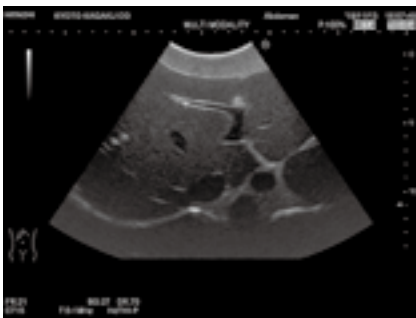


Embedded Targets (Liver)

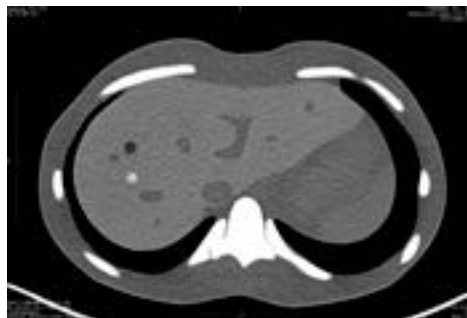


FEATURES/SKILLS

- 1 | Fusion image generation training
- 2 | Mapping for biopsy (invasive procedures are not possible with this phantom)
- 3 | Surgical planning
- 4 | Radiation therapy planning
- 5 | Training for scanning skills in Ultrasound and CT



Ultrasound Images (Liver)



CT image (Liver)

DESCRIPTIONS

SPECIFICATIONS

Size: W29 x D19 x H31 cm/
W11.4 x 7.5 x 12.2 inch

Weight: 12 kg/26.5 lbs



Abdominal Intraoperative & Laparoscopic Ultrasound Phantom "IOUSFAN"

Effective training tool for abdominal intraoperative ultrasound examination

Phantom of abdominal organs to simulate ultrasound examinations during open and laparoscopic surgery

Product Supervision

Junji Machi, MD, PhD
University of Hawaii at Manoa and Kuakini Medical Center



Intraoperative ultrasound



Laparoscopic ultrasound

ANATOMY and PATHOLOGIES

Liver

- | segmental anatomy
- | portal and hepatic venous system
- | ligamentum teres and ligamentum venosum

Biliary Tract

- | gall bladder
- | cystic duct
- | intrahepatic and extrahepatic bile ducts

Pancreas

- | pancreatic duct

Spleen

Kidneys

Detailed vascular structures

- | aorta
- | vena cava
- | celiac artery and branches
- | portal vein and branches
- | superior mesenteric vessels
- | renal vessels

Biliary Stones and Cysts

Solid Tumors in liver, pancreas, spleen and kidneys

- | hypoechoic
- | hyperechoic



Pancreatic head



Bileduct stones



Gallstones

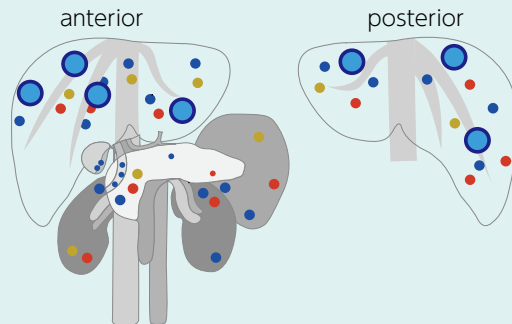
FEATURES

- 1 | Soft phantom materials allow realistic probe manipulation.
- 2 | Various simulated lesions.
- 3 | Detachable stomach and duodenum for various scanning of the bile duct and pancreas.

SKILLS

- | Abdominal intraoperative ultrasound examination
- | Laparoscopic ultrasound examination

Pathologies Sites



- **Simulated cysts**
1 cm / 0.4 in
- **Hypoechoic**
1 cm / 0.4 in
- **Simulated tumors**
1 cm / 0.4 in
- **Simulated tumors with double edge**
2 cm / 0.8 in

DESCRIPTIONS

SPECIFICATIONS

Size: W30 x D38 x H17.5 cm Weight: 5.8kg / 12.8lbs
W11.8 x D15 x H6.9 inch

SET INCLUDES

- 1 | upper abdomen ultrasound phantom
- 1 | stomach ultrasound phantom
- 1 | phantom container
- 1 | tutorial manual (DVD)
- 1 | instruction manual

MATERIALS

Polyurethane elastomer
Latex free

RECOMMENDED DEVICES

-

*Ultrasound scanner is not included.

M99



Arterial Puncture Training Wrist

An essential simulator to increase confidence and competence

Arterial blood sampling and cannulation is a common yet delicate procedure.

With the innovative design of the arterial puncture simulator, a true-to-life experience can be simulated to ensure correct techniques and boost proficiency.

Product Supervision

Dr. Hiroshi Koyama,
Medical Director, General Internal Medicine
National Hospital Organization Kyoto Medical
Center



FEATURES

- 1 | Palpable arterial pulse
- 2 | Realistic needle resistance against tissue and artery wall
- 3 | Natural counter-flow
- 4 | Radial arterial line placement can be simulated
- 5 | No puncture trace remains on the injection site
- 6 | Leak-free connections

SKILLS

- | Radial arterial puncture
- | Artery blood sampling
- | Radial line placement



Radial Arterial Puncture



Radial Arterial Line Placement



IABP Measurement
(Arterial pressure values are not simulated)

DESCRIPTIONS

For product codes of the alternate skin tone versions of this model, please refer to www.kyotokagaku.com.

SPECIFICATIONS

Size: W11 x D30 x H17 cm / W4.3 x D11.8 x H6.7 inch (manikin size)
W20 x D16 x H13 cm / W7.9 x D6.3 x H5.1 inch (pump size)

Weight: 1.5kg/3.3lbs
Power: AC100-240V, 50/60 Hz

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

AGB Kit 22-25G

REPLACEMENT PARTS

11351-010 1 replacement skin set
11351-030 4 replacement silicon tape
11351-040 4 replacement artery tube
11388-400 10 cotton swabs red

SET INCLUDES

1 wrist and hand model	10 cotton swabs red	1 syringe
1 circulation pump	1 spoon	1 storage case
2 sets of puncture skins (inner and outer skin)	2 plastic jars	1 instruction manual
4 artery tubes	2 connection tubes	
1 silicon tape	1 vinyl sheet	

SET VARIATIONS

11351-000 M99 light skin tone
11351-000-D M99 dark skin tone

MW18



Ultrasound-Guided PICC Training Simulator

New, innovative, human-like material for perfect visualization

A uncomplicated design with replaceable puncture site and anatomically accurate features including the rib cage, sternum, bifurcation, plus visible tip placement in the superior vena cava.

Product Supervision

Joho Tokumine, M.D., Ph.D.,
Department of Anesthesiology,
Kyorin University School of Medicine



FEATURES

- 1 | Excellent image quality and visualization of the needle tip for ultrasound guided venous access
- 2 | Movable shoulder to demonstrate positioning
- 3 | Realistic flashback in needle provides confirmation for successful venous access
- 4 | Ribs and right clavicle provide anatomical understanding of correct PICC placement
- 5 | Anatomically correct bifurcation of the vein
- 6 | Simulation of cannula malposition

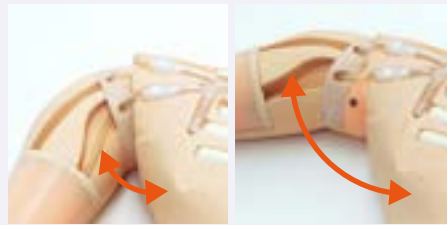
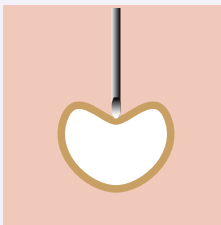
SKILLS

- | Ensure patient comfort and position
- | Hand hygiene and prepare sterile field
- | Identify puncture site
- | Ultrasound-guided insertion
- | Insertion of dilator and guide wire
- | Insertion of sheath
- | Insertion of catheter

KEY FEATURES



Ultrasound guided puncture



Movable shoulder



Malpositioning

DESCRIPTIONS

SPECIFICATIONS

Size: W79 x D38 x H18 cm Weight: 4.5kg/10lbs
W31 x D14.9 x H7 inch

SET INCLUDES

- | | |
|---------------------------------------|----------------------|
| 1 male upper torso with the right arm | 1 instruction manual |
| 2 PICC puncture pads | 1 storage case |
| 10 cotton swabs red | |
| 1 jar | |
| 1 syringe | |

MATERIALS

Soft resin, hard resin
Latex free

REPLACEMENT PARTS

- | | |
|-----------|----------------------|
| 11398-010 | 2 PICC puncture pads |
| 11388-400 | 10 cotton swabs red |

RECOMMENDED DEVICES

PIC catheter 4Fr., 50-60cm

Ultrasound scanner and PICC instruments are not included.

M93UB



CVC Insertion Simulator II

Conduct a variety of CVC insertion and management simulations with the assistance of 3 interchangeable pads



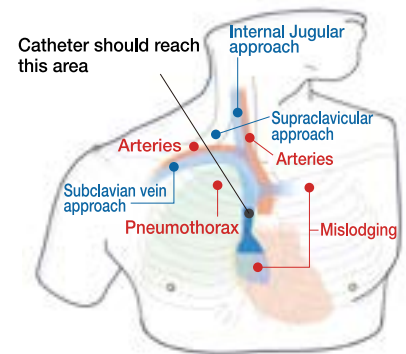
Product Supervision

Masahiro Tanabe, M.D., Ph.D., Professor Director General Medical Education Center Chiba University School of Medicine

Kinya Sando, M.D., Ph.D., Professor Director Department of Human Dietetics Graduate School of Human Science Osaka Shoin Women's University

Masanori Hoki, M.D., Ph.D., Professor Department of Human Dietetics Graduate School of Human Science Osaka Shoin Women's University

Joho Tokumine, M.D.Ph.D., Department of Anesthesia, Kawatetsu Chiba Hospital



FEATURES

- 1 | Realistic ultrasound-guided CVC
- 2 | Landmark puncture pad with anatomically correct vein bifurcations simulates mechanical complications including pneumothorax, mislodging and artery puncture
- 3 | Transparent anatomical block for anatomical understanding and guide wire manipulation
- 4 | Introductory ultrasound training block to acquire basics of ultrasound guided venous access
- 5 | Both internal jugular and subclavian (axillary) veins are accessible

SKILLS

- | Ultrasound-guided CVC
- | Landmark guided CVC
- | Ultrasound-guided venous access
- | Prevention of mechanical complications

KEY FEATURES



Transparent anatomical block



Ultrasound training block



Ultrasound puncture pad

DESCRIPTIONS

SPECIFICATIONS

Size: W40 x D20 x H 34 cm
W15.8 x D7.9 x H 13.4 inch

Weight: 2.3kg/5lbs

SET INCLUDES

1 male upper torso manikin	1 introductory ultrasound training block
1 landmark puncture pad	10 cotton swab red
1 ultrasound puncture pad	10 cotton swab blue
1 skin for cannulation training	1 air bulb
1 transparent anatomical block	2 plastic jars

MATERIALS

Soft resin
Latex free

1 irrigation bottle
2 syringes (2.5ml, 50ml)
1 sample needle

REPLACEMENT PARTS

11347-119	2 landmark puncture pads
11347-170	2 ultrasound puncture pads
11347-210	2 introductory ultrasound training blocks
11347-320	irrigation bottle
11388-400	10 cotton swab red
11402-010	10 cotton swab blue

Ultrasound scanner and needles are not included.

M93C

CVC Insertion Simulator III

CVC III facilitates a sequence of uninterrupted simulation experience for specialist training

From aseptic field preparation to final catheter placement



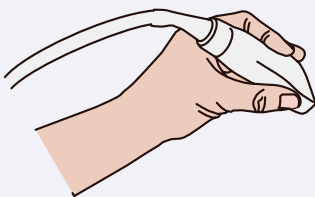
FEATURES

- 1 | Insertion practice is repeatable to obtain the best technique for patient safety.
- 2 | Both landmark guided insertion and ultrasound guided techniques can be practiced.
- 3 | The frictionless tissue-like simulation pad to facilitate a realistic sensation of the CVC placement.

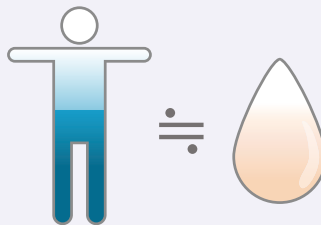
SKILLS

- Take complete steps to a successful CVC insertion
- | Perform hand hygiene practices and prepare aseptic field
 - | Decide on insertion site via ultrasound guidance or observation and palpation of landmarks
 - | Insertion under ultrasound guidance or via landmark technique
 - | Confirm flashback
 - | Advance guidewire and sheath
 - | Insert catheter

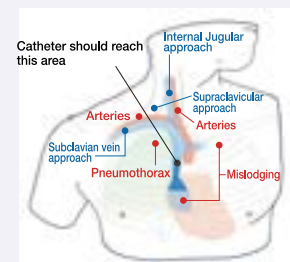
KEY FEATURES



Ultrasound compatible



Pad material simulates features of human tissue



Anatomically accurate features including 3 insertion sites and rib cage

DESCRIPTIONS

SPECIFICATIONS

Size: W40 x D20 x H 34 cm
W15.7 x D8 x H13.5 inch

SET INCLUDES

1 male upper torso manikin	2 vein tubes (blue): 2 type
2 CVC placement pads	2 vein pipes
1 skin for cannulation training	1 pulsation unit (for landmark technique)
1 transparent anatomical block	1 irrigation bottle (for UG technique)
2 artery tube (transparent): 2 type	1 plastic jar

MATERIALS

Soft resin, hydrogel, hard resin
Latex free

1 sample needle
2 syringes (2.5ml, 50ml)
1 introductory ultrasound training block
REAL VESSELS

REPLACEMENT PARTS

11347-210	2 introductory ultrasound training blocks	REAL VESSEL
11347-240	2 CVC placement pads	
11347-260	1 pulsation unit	
11347-320	1 irrigation bottle	

Ultrasound scanner and needles are not included.



MW4

Ultrasound-Guided Thoracentesis Simulator

MW4A

Ultrasound-Guided Thoracentesis Simulator - Strap-on set -

MW15

Ultrasound-Guided Pericardiocentesis Simulator

MW17

Ultrasound-Guided Thoracentesis/ Pericardiocentesis Simulator

Product Supervision

Takahiro Amano, M.D.
Vice President
Senior Vice-Dean, Postgraduate School
Professor and Director, Center of Postgraduate Medical Education
International University of Health and Welfare
Honorary Director, Sanno Medical Center



SKILLS

Thoracentesis

- | Patient positioning
- | Recognition of anatomical landmarks by ultrasound
- | Assessment of level and volume of pleural effusion
- | Determination of insertion site
- | Needle insertion and collection of fluid

SKILLS

Pericardiocentesis

- | Patient positioning
- | Visualization of pericardial fluid under ultrasound scanning
- | Landmark palpation
- | Needle insertion to the pericardial space
- | Aspiration of pericardial effusion

DESCRIPTIONS

SET INCLUDES

	MW4	MW4A	MW15	MW17
1 adult chest model	✓		✓	✓
1 mid-axially line unit	✓	✓		✓
1 mid-scapular line unit	✓	✓		✓
1 pericardiocentesis unit			✓	✓
1 pillow for positioning	✓		✓	✓
1 explanation model for thoracentesis	✓		✓	✓
1 instruction manual	✓	✓	✓	✓

Accessories

	MW4	MW4A	MW15	MW17
1 irrigator	✓			✓
1 funnel	✓	✓		✓
1 syringe (50ml)	✓	✓	✓	✓x2
1 joint hose			✓	✓
1 tube with three-way stopcock	✓	✓		✓
1 plastic jar	✓	✓		✓

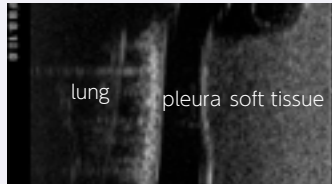
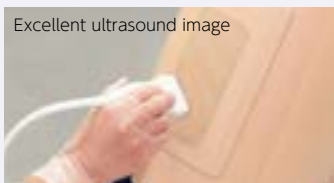
Thoracentesis

Simulate thoracentesis on both a torso and SP

This Ultrasound-Guided Thoracentesis Simulator features two types of puncture units: mid-scapular line access and mid-axillary line access. Strap-on (wearable) puncture units facilitate hybrid training sessions with simulated patients.

FEATURES

- 1 | Palpable ribs
- 2 | Realistic needle-tip insertion and resistance
- 3 | Strap-on units to practice patient positioning and communication
- 4 | Two sites for access: right mid-scapular line and left mid-axillary line
- 5 | Volume of pleural effusion can be controlled to set different levels of difficulty.
- 6 | Body torso for independent training. (Only for MW4)



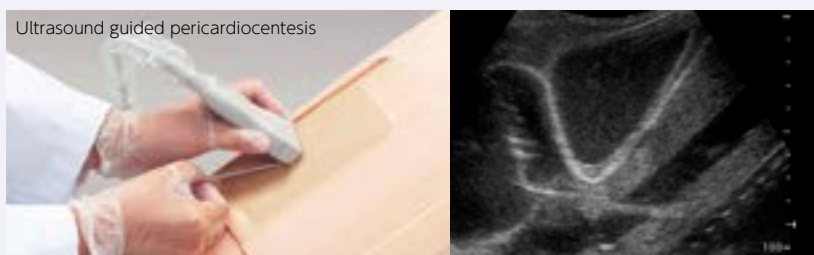
Pericardiocentesis

Practice patient safety during pericardiocentesis with ultrasound guidance

This simulator allows trainees to insert the needle under ultrasound guidance, pierce the "pericardial sac" and aspirate pericardial fluid.

FEATURES

- 1 | Durable and replaceable puncture pad
- 2 | Practice both the subxiphoid approach and parasternal approach through palpable and ultrasonic landmarks.
- 3 | Realistic needle tip sensation during puncture of the "pericardial sac"



Identification of "Larrey's space" (left xiphisternal junction) for needle insertion.

Inserting needle to the pericardial space with ultrasound guidance. Ventricles, ribs, pericardium, liver and main artery can be visualized.

DESCRIPTIONS

SPECIFICATIONS

Torso size: W40 x D25 x H50 cm / 15.7 x 9.9 x 19.7 inch
 Thoracentesis pad size: W16 x D7 x H21 cm / 6.3 x 2.76 x 8.3 inch
 Pericardiocentesis pad size: W16 x D14 x H21 cm / 6.3 x 5.6 x 8.3 inch
 Weight: 9.65kg / 21.27lbs

MATERIALS

Soft resin, hard resin
 Latex free

RECOMMENDED DEVICES

Thoracentesis: 22 G/ 23 G needle
 Pericardiocentesis: 18 G needle

REPLACEMENT PARTS

11383-010 2 mid-axillary line puncture pads
 11383-020 2 mid-scapular line unit puncture pads
 11383-030 2 replacement lungs
 11394-010 2 pericardiocentesis pads for MW15/MW17

} for MW4, MW17, MW4A

M74



Gluteus Maximus Injection Simulator

IM training for the three ways of injection

This simulator is designed to practice for the three ways of injection into the hip and the buttocks. The incorporated indicator shows the accuracy of needle placement and its depth.

Product Supervision

Dr. Hiroshi Koyama,
Medical Director, General Internal Medicine
National Hospital Organization Kyoto Medical
Center



FEATURES

- 1 | The life-sized lower torso manikin consist of three layers: skin, muscular and skeleton.
- 2 | Greater trochanter, anterior superior iliac spine and scrum can be palpated to identify the injection sites
- 3 | Three methods for intramuscular injection: Quarter-Trichotomy, Hochstetter Method and Clark Method.
- 4 | The indicator shows the accuracy of the needle placement and its depth.
- 5 | Correct needle placement can be confirmed by being able to inject liquid.
- 6 | No needle trace remains.

SKILLS

- | Intramuscular injection



Hochstetter Method



Clark / Sachtleben Method



DESCRIPTIONS

SPECIFICATIONS

Size: W32 x D35 x H20 cm Weight: 3.2kg / 7.05lbs
W20 x D16 x H13 cm

SET INCLUDES

- | | |
|---|------------------------------|
| 1 | lower torso manikin |
| 1 | stand for Hochstetter method |
| 1 | indicator |
| 1 | set of sensor pads |
| 1 | instruction manual |

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- | | |
|-----------|-------------------------------|
| 11213-010 | skin |
| 11213-020 | sensor for puncture pad |
| 11213-030 | sensor for Hochstetter's site |
| 11213-040 | sensor for Clark's site |

RECOMMENDED DEVICES

IM needle 21-23G

M67C

Strap-on Intramuscular Injection Trainer

For practice between students, simulated patients and mannikin, facilitating their understanding of the intramuscular injection process and communication.



FEATURES

- 1 | The water tank is located inside this trainer.
- 2 | Realistic tactile feeling of skin and acromion allows palpating the anatomical landmark.
- 3 | Easy to drain.

SKILLS

- | Intramuscular Injection training
- | COVID-19 vaccination training

DESCRIPTIONS

SPECIFICATIONS

Size: W10.5 x D26 x H5.5 cm
W4.2 x D10.3 x H2.2 in.

SET INCLUDES

- 1 main unit
(frame, skin, soft tissue, muscle,
acromion, drainage reservoir, belts)
- 1 instruction manual

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

IM needle 23G

REPLACEMENT PARTS

- 11297-220 replacement skin
- 11297-230 replacement soft tissue part
- 11297-240 replacement muscular part

MW64

Vaccination Training Set

NEW

MW64 Vaccination Training Set will undeniably help in training thousands of healthcare workers who are involved in COVID-19 vaccination. It's simple, easy to use and low-maintenance.



FEATURES

- 1 | The landmark acromion process is palpable, allowing for realistic practice of IM injection.
- 2 | The injection pad has a highly absorbent sponge built in, so that you can actually inject the liquid repeatedly.
- 3 | This vaccination training set can be used together with Kyoto Kagaku patient care manikins, SPs and trainees.

SKILLS

- | Deltoid intramuscular injection
- *The pad's depth is 1 1/2" (38.1mm)

DESCRIPTIONS

SPECIFICATIONS

Size: W12 x D14 x H5.5 cm
W4.7 x D5.5 x H2.2 in.

SET INCLUDES

- 5 vaccination training pads
- 5 pad holders
- 5 strap-on belts
- 1 instruction manual

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

IM needle 23G

REPLACEMENT PARTS

- 11454-010 Pad for Vaccination Training Set (Set of 5)
- 11454-020 Pad for Vaccination Training Set

M43B/M43B-B



Lumbar Puncture Simulator IIA

World's best training simulator for lumbar puncture and epidural anesthesia

Five types of puncture blocks enhance training with different types of challenges

Product Supervision

Takahiro Amano, M.D.
 Vice President
 Senior Vice-Dean, Postgraduate School
 Professor and Director, Center of Postgraduate
 Medical Education
 International University of Health and Welfare
 Honorary Director, Sanno Medical Center



FEATURES

- Anatomically accurate
- Realistic skin and tissue resistance during insertion
- Measure CSF fluid pressure, collect CSF fluid and practice epidural anesthesia procedures
- Simulates administration of epidural nerve block with realistic needle-tip sensation
- Simulates loss of resistance technique
- Model stand for either individual or group practice

SKILLS

- Palpation of landmarks
- Lumbar puncture
- CSF collection
- CSF pressure measurement
- Epidural anesthesia
- Anatomical understanding

KEY FEATURES

- 5 types of puncture blocks
 - normal
 - obese
 - senior
 - senior obese
 - epidural



DESCRIPTIONS

For product codes of the alternate skin tone versions of this model, please refer to www.kyotokagaku.com.

SPECIFICATIONS

Size: W33 x D22 x H30 cm Weight: 3.15kg / 6.9lbs
 W13 x D8.7 x H11.8 inch

MATERIALS

Soft resin
 Latex free

RECOMMENDED DEVICES

-

SET INCLUDES

	lumbar puncture blocks	M43B	M43B-B
1 lumbar region model	2 normal CSF	✓	✓
1 lumbar region skin cover	1 obesity CSF	✓	✓
1 two way support base	1 senior CSF	✓	
1 base for team teaching	1 senior obesity CSF	✓	
	1 epidural	✓	✓
	1 lumbar spine model	✓	

1 irrigation bag
1 syringe
1 stand for irrigation bag
1 instruction manual
1 storage case

REPLACEMENT PARTS

11348-090	1 LP block (normal CSF)
11348-110	1 LP block (obesity CSF)
11348-120	1 LP block (senior CSF)
11348-130	1 LP block (senior obesity CSF)
11348-140	1 epidural block
11348-150	1 lumbar region skin cover
11348-160	1 supporting stand

M43E

Ultrasound Compatible Lumbar Puncture/ Epidural Simulator

Lumbar puncture training with ultrasound guidance

Anatomically correct puncture block offers excellent ultrasound images



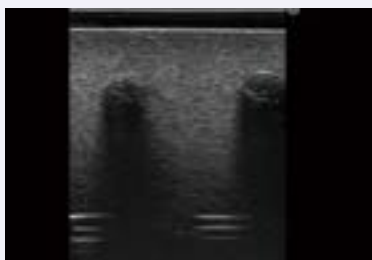
FEATURES

- 1 | Durable and replaceable parts for repetitive practice
- 2 | Adjustable to an upright or lateral position.
- 3 | Translucent block makes the needle trace visible.
- 4 | Interchangeable parts for other landmark and fluoroscopic procedure training

SKILLS

- | Ultrasound-guided lumbar puncture
- | Ultrasound-guided epidural anesthesia
- | CSF collection and CSF pressure measurement

IMAGES



DESCRIPTIONS

SPECIFICATIONS

Size: W33 x D21 x H30 cm
W13 x D8.3 x H11.8 inch

SET INCLUDES

- | | |
|---|----------------------|
| 1 lumbar region model | 1 irrigation bag |
| 1 ultrasound lumbar puncture/epidural block | 1 syringe |
| 1 ultrasound lumbar region skin cover | 1 instruction manual |
| 1 two way support base | |

MATERIALS

Soft resin, polyurethane elastomer
Latex free

REPLACEMENT PARTS

- | | |
|-----------|--|
| 11348-190 | 1 ultrasound lumbar puncture /epidural block |
| 11348-230 | 1 ultrasound lumbar region skin cover for M43E |
| 11348-160 | 1 supporting stand |

RECOMMENDED DEVICES

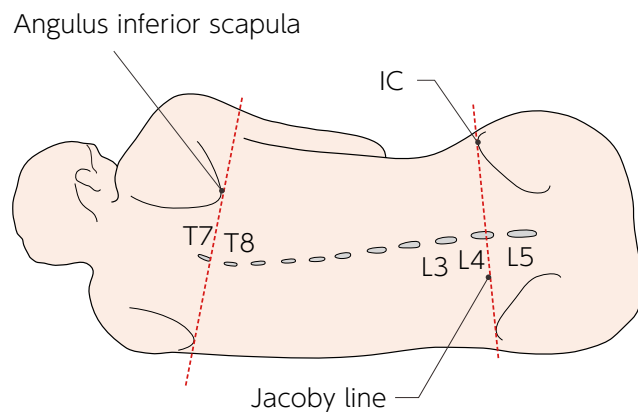
Ultrasound machine and needles are not included.

MW3

Epidural Anesthesia Simulator

Practice and perform epidural anesthesia with confidence

Epidural Anesthesia Simulator offers multiple training methods on both thoracic and lumbar areas, including lumbar punctures.



FEATURES

- 1 | True-to-life resistance with the "pop" sensation
- 2 | Left and right lateral positions
- 3 | Simulates loss of resistance to saline or water
- 4 | The broad puncture pad allows paramedian access as well as median approach.

SKILLS

- | Epidural anesthesia procedures at lumbar and thoracic area
- | Lumbar puncture



Landmark palpation



Epidural anesthesia



Lumbar puncture

DESCRIPTIONS

SPECIFICATIONS

Size: W48 x D23 x H29 cm
W18.9 x D9 x H11.4 inch

Weight: 5kg / 11lbs

SET INCLUDES

- 1 | life size unisex torso
- 5 | puncture pads
- 1 | supporting stand
- 1 | 50ml syringe
- 1 | drain pouch
- 1 | instruction manual

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11382-010 2 replacement puncture pads

RECOMMENDED DEVICES

Epidural needle: 18G
Spinal needle: 21G

MW49

Simulator Intravenous ARM III

M50B-B has been renovated to meet a wider range of training requirements.



FEATURES

- 1 | Two types of injection pads for venous line placement (forearm/ back of hand)
- 2 | Two types of injection pads for cubital fossa (regular and durable)
- 3 | Arm vessels anatomy sleevelets for visual understanding

SKILLS

- | Anatomy of the arm
- | Vacuum tube blood collection
- | Palpation /Intravenous injection
- | IV cannula placement and drip infusion
- | Blood collection with a syringe/Flash- back confirmation

Two types of injection pads for cubital fossa
- works with circulation pump



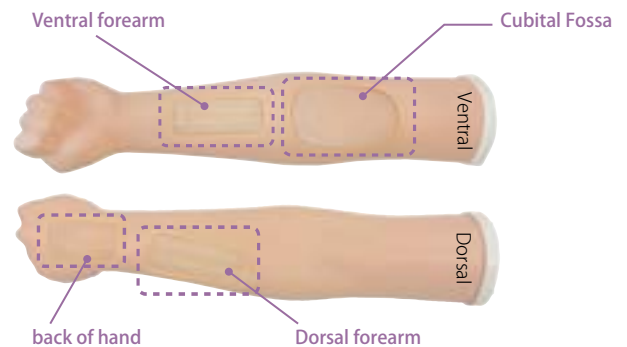
Pad for back of hand



Pad for ventral / dorsal of forearm



Four areas of puncture sites



Two types of injection pads for venous line placement
- works with bottles/stands



Regular pad

Realistic sensation.
Texture, sensation and resistance to the needle.
Three accessible venous lines represent basilic vein, median vein, and cephalic vein.

Durable pad

Durable training pad to maximize training opportunities. Long-life tissue materials.
Both faces of the pad enclose two venous lines for training.

DESCRIPTIONS

SPECIFICATIONS

Size : W25 x D11x H3 cm each Power : AC100-240V 50/60Hz
Power Consumption : 5W

SET INCLUDES

2 arm model	1 circulation pump with a plastic jar
2 supporting stand	2 bottle with stand (for sim blood)
2 injection pad (R pad)	10 cotton swabs red
2 injection pad (D pad)	2 arm vessels anatomy sleevelets
4 injection pad (forearm/antebrachial)	1 storage case
2 injection pad (back of hand)	1 instruction manual

REPLACEMENT PARTS

11267-300-03 R pad (set of 2)
11430-020 D pad (set of 2)
11388-200 pad for forearm/antebrachial (set of 2)
11388-300 pad for back of hand (set of 2)
11267-300-02 supporting stand
11267-300-05 circulation pump
11388-400 10 cotton swabs red
11430-010 arm vessels anatomy sleevelet

RECOMMENDED DEVICES

- IV cannula 23G
- syringe needle 23G
- butterfly needle 23G

MW50

Strap-on Venipuncture Simulator

Cost-effective training unit for venipuncture

Strap-on Venipuncture Simulator is a simple, economical training kit for intravenous injection. This trainer is to be strapped onto the upper arm of an SP (Standardized Patient) or a life-size training manikin.



FEATURES

- 1 | Realistic tissue and vein wall resistance
- 2 | Vein tube can be filled and refilled easily using a soft plastic bottle that works as a manual pump.
- 3 | Two vein tubes are embedded.

SKILLS

- | Blood collection and intravenous injection

DESCRIPTIONS

SPECIFICATIONS

Size: W12 x D14 x H2.5 cm / W4.7 x D5.5 x H0.98 inch
W6.5 x D11 x H2.0 cm / W2.6 x D4.3 x H0.79 inch (Pad)

SET INCLUDES

- 5 puncture pads (vein tube embedded)
- 5 supporting frames
- 5 belts
- 5 injection bottles
- 1 instruction manual
- 1 storage case
- 5 syringes

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11431-010 5 replacement puncture pads

OPTIONAL PARTS

11430-010 Arm Vessels Anatomy Sleevelet
11388-400 10 cotton swab red

RECOMMENDED DEVICES

-

M94

Intradermal Injection Training Simulator

Wheal can be shown by correct injection

This simulator provides training for intradermal injection to the inner forearm. Swelling of the skin will form when proper injection procedures are followed.



FEATURES

- 1 | Life like touch and resistance of the injection site resembles the human arm
- 2 | Injection pads are easily changeable.
- 3 | No needle trace remains.

SKILLS

- | Intradermal Injection

DESCRIPTIONS

SPECIFICATIONS

Size: W9 x D20 x H8 cm Weight: 0.3 kg/ 0.7 lbs
W3.5 x D7.9 x H3.1 inch

SET INCLUDES

- 5 injection pads
- 1 forearm model
- 1 supporter stand
- 4 injection pad cases
- 1 instruction manual

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11346-010 1 replacement puncture pad

RECOMMENDED DEVICES

Needle 29G

MW9

Peripheral Venous Catheter Placement Simulator

Holistic simulation of peripheral intravenous access management in just one arm



FEATURES

- 1 | IVC insertion and management from start to finish
- 2 | Two puncture sites: median antebrachial vein and dorsal veins
- 3 | Durable puncture pad

SKILLS

- | Infection control
- | Use of tourniquet
- | Identifying puncture site
- | Sterilization of puncture site
- | Puncture with IV cannula
- | Confirmation of flashback
- | Application of pressure on vein
- | Preparing and administering IV medications (simulated)
- | Dressing and securing cannula



Confirmation of flash back



Fixation



Application of pressure to vein

DESCRIPTIONS

SPECIFICATIONS

Size: W52 x D10 x H10 cm
W20.5 x D3.9 x H3.9 inch

Weight: 0.9kg / 21lbs

SET INCLUDES

1 arm model	1 stand for bottle of simulated blood
2 injection pads for dorsal veins of hand	1 infusion set
2 injection pads for median antebrachial vein	1 infusion bag
1 bottle for simulated blood	1 syringe (50ml)
	1 plastic beaker

MATERIALS

Soft resin
Latex free

10 cotton swabs (red)
1 carrying bag
1 instruction manual

RECOMMENDED DEVICES

IV catheter needle 22G,
butterfly needle 23G

REPLACEMENT PARTS

11388-200	2 injection pads for median antebrachial vein
11388-300	2 injection pads for dorsal veins of hand
11388-400	10 cotton swabs red

MW16



Laparoscopic Suture Simulator -Assessment System-

Real and objective assessment to develop first class surgeons

Laparoscopic Suture Simulator evaluates skills in laparoscopic intestinal suture, as well as simple skin suture and forceps training. Simulate true-to-life scenarios by using real clinical devices, lifelike softness and anatomy of the intestinal wall and dermis.

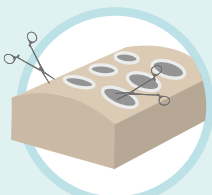


FEATURES

- 1 | Innovative assessment criteria provide quantitative and objective feedback
- 2 | Individual assessment data can be saved for reviewing and analysis
- 3 | True-to-life simulated tissue that provides convincing hands-on experiences.
- 4 | Actual clinical instruments can be used.
- 5 | A variety of training options
- 6 | Convenient all-in-one unit

SKILLS

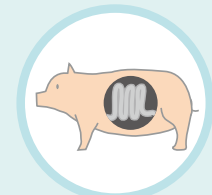
- | Laparoscopic intestinal suture
- | Skin suture under direct vision
- | Handling of laparoscopic instruments



Box trainer only

Disadvantage Limited to simple tasks

Advantage Easy to use



Wet-lab

Disadvantage Hard to set & clean up, concerns in ethical issues

Advantage Realistic



Virtual reality simulators

Disadvantage Lack of realistic feel

Advantage Objective skills assessment

Integrating Advantages of Different Training Methods

- 1 | Easy to use
- 2 | Realistic tissue response
- 3 | Objective feedback

Laparoscopic Intestinal Tract Suture

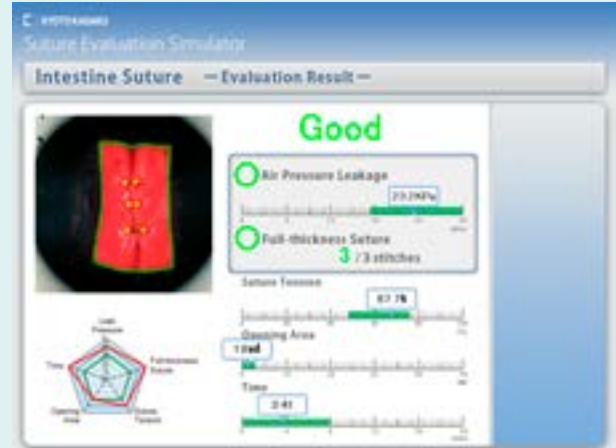
1 | Quantitative Feedback combined with Realistic Hands-on Experience

Judging success or failure

- 1 Is the wound sutured without a leak?
- 2 Is suture completed through muscular layer to mucosal layer?
- 3 Is ligature appropriate for suture?
- 4 How much open area is there in the mucosal layer?
- 5 How long does the suturing procedure take?

The system utilizes five criteria to evaluate laparoscopic suturing skills.

Each criteria has an "acceptable" range based on expert surgeons to help improve performance.



Air leak from the sutured area can be checked by applying air pressure on the intestinal tract sheet.

* Uemura M et al. Surg Endosc. 2014. PMID: 25005015 / DOI: 10.1007/s00464-014-3681-9

2 | Lifelike Intestinal Tract

Intestinal tract has four layers with respective characteristics. When holding with forceps and suturing, these four layers react like real tissue.



Evaluate simple interrupted skin suturing via quantitative assessment criteria. The objective evaluation encourages honing of skills.

Laparoscopic Forceps Training

Forceps Training mode enables dry box training to handle laparoscopic instruments.



DESCRIPTIONS

SPECIFICATIONS

Size: W50 x D110 x H160 cm Weight: 93 kg/205lbs Power: AC100-240V, 50/60 Hz
W19.7 x D43.3 x H63 inch Power Consumption: 180 VA

SET INCLUDES

1 monitor	1 video camera for procedure recording
1 touch-monitor	1 torso body
1 video camera for assessment (intestinal tract suture)	1 unit base
1 video camera for assessment (skin suture)	1 printer
	1 key board

MATERIALS

Soft resin	1 set of trocar
Latex free	1 container
	1 instruction manual
	30 suturing sheets (intestinal tract)
	40 sheets of simulated skin

RECOMMENDED DEVICES

-
Forceps are not included.

REPLACEMENT PARTS

11395-010	30 suturing sheets (intestinal tract)
11230-010	40 sheets of simulated skin



Laparoscopic Suture Training System -Laparo Cube

Quantitative Feedback combined with Realistic Hands-on Experience



FEATURES

- 1 | Innovative assessment criteria and quantitative measurement provide objective feedback to trainers.
- 2 | Trainees' personal skills assessment data can be saved for reviewing and analysis.
- 3 | Actual clinical instruments can be used.
- 4 | Realistic and lifelike suturing sheet.
- 5 | Able to create your own passing standard or adjust criteria threshold to trainees' level.

SKILLS

- | Laparoscopic suturing (simple interrupted suture)

KEY FEATURES

Judging success or failure

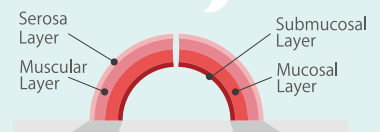
- 1 | Is the wound sutured without a leak?
- 2 | Is suture completed through muscular layer to mucosal layer?
- 3 | Is ligature appropriate for suture?
- 4 | How much open area is there in mucosal layer?
- 5 | How long does it take for suturing procedure?



Life-like Intestinal Tract

Intestinal tract has four layers with respective characteristics. When holding with forceps and suturing, these four layers react like real tissue.

Easy to set up!



DESCRIPTIONS

SPECIFICATIONS

Size: W15 x D20 x H13 cm /
W5.9 x D7.9 x H5.1 inch

Weight: 1.5kg / 3.3lbs
(Assessment unit)

Power: AC100V-240V 50/60Hz
Power Consumption:
26VA : Assessment unit
40VA : PC

MATERIALS

Soft resin
Latex free

SET INCLUDES

1 laparoscopic suturing assessment unit	1 PC
1 power cable for assessment unit	1 power cable for PC
1 set of skin sheet holder	30 pieces of suturing sheet (intestinal tract)
1 cable	1 container
1 USB Cable	1 instruction manual

REPLACEMENT PARTS

11395-010 30 pieces of suturing sheet
*1 set consist of inner layer& outer layer

RECOMMENDED DEVICES

-

Box trainer, display monitor, and forceps and camera are not included in set

M57B



Suture Evaluation Simulator

Score your suturing

Evaluate simple interrupted skin suturing techniques by quantitative assessment criteria. Objective evaluation score and record of learning curve would encourage and motivate trainees to improve skills



FEATURES

- 1 | Three modes for different training purposes.
 - Evaluation: objective evaluation for self-learning
 - Learning: reference of examples and recorded data
 - Examination: skills assessment by the instructor
- 2 | Six evaluation criteria to guide skill improvement

SKILLS

- | Suture: Simple interrupted suture
- | Ligature: Instrument tying

DESCRIPTIONS

SPECIFICATIONS

Power: AC100V-240V, 50/60 Hz

SET INCLUDES

1 unit base	1 movie demonstration (CD)
1 skin suturing unit	1 storage case
40 sheets of simulated skin	1 instruction manual
1 USB unit	
1 PC with software	

MATERIALS

-

RECOMMENDED DEVICES

-

REPLACEMENT PARTS

11230-010 40 pieces suturing sheet (skin)

* Instruments are not included.

M93B

Introductory Ultrasound Training Block "REAL VESSEL"

Provides training in hands-eye coordination and basic skills in ultrasound-guided venous access.



FEATURES

- 1 | 2 simulated vessel lines: straight and curving.
- 2 | Lines have slope represent vessels with different depth.
- 3 | Vessel wall yields under pressure of a needle tip.

SKILLS

- | Visualization and localization of the vessels.
- | Probe manipulation.
- | Basics for ultrasound-guided vessel access.

DESCRIPTIONS

SPECIFICATIONS

Size: W10.5 x D26 x H5.5 cm
W4.2 x D10.3 x H2.2 in.

SET INCLUDES

5 vaccination training pads
5 pad holders
5 strap-on belts
1 instruction manual

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

IM needle 23G

REPLACEMENT PARTS

11454-010 MW64 Pad for Vaccination Training Set (Set of 5)
11454-020 MW64 Pad for Vaccination Training Set

M83

Suture Practice Trainers -Full set-

Various types of skins to improve the basic of suturing skills



FEATURES

- 1 | The artificial skin can be cut easily at any site to prepare a novel wound.
- 2 | The soft skins are made of durable materials.
- 3 | Simple and durable supporters keep the soft skins arched or maintain tension in the tubular models.
- 4 | All instruments for the practice session are included in the package.

SKILLS

- 4 skills for suture: abdominal skin suture, blood vessel suture, intestinal suture, limbs skin suture

KEY FEATURES



Abdomen



Blood vessel



Intestine



Limbs

DESCRIPTIONS

SPECIFICATIONS

SET INCLUDES

- | | |
|--|-----------------------------------|
| 1 set of simulated skins, ducts and supporters | 1 set of instruments |
| - abdomen set: 2 abdominal skins, 1 supporter | - needle-holders - suture needles |
| - blood vessels: 5 narrow tubes | - scissors - suture threads |
| - intestine set: 5 wide tubes, 1 supporter | - tweezers |
| - limbs set: 2 narrow skins, 1 supporter | 1 storage case |

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- | | |
|-----------|---------------------|
| 11219-030 | 1 abdominal skin |
| 11219-050 | 5 blood vessels |
| 11219-070 | 5 intestinal tracts |
| 11219-010 | 5 limbs skins |

RECOMMENDED DEVICES

US-5



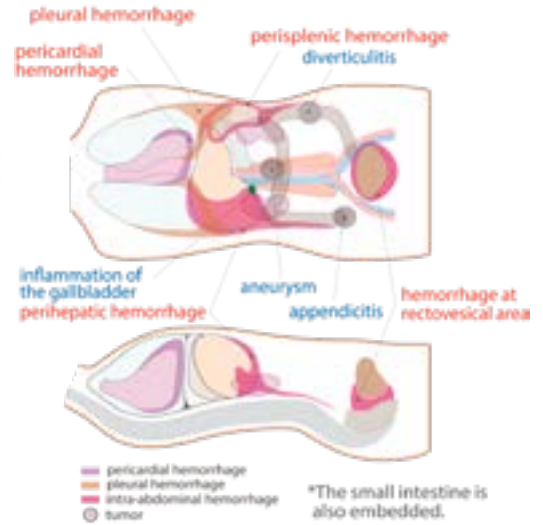
FAST/Acute Abdomen Phantom "FAST/ER FAN"

Conduct "FAST" assessment to save a trauma patient!

Product Supervision

Junji Machi, MD, PhD
University of Hawaii at Manoa and Kuakini Medical Center

FAST/ER FAN provides simulated training in FAST (Focused Assessment with Sonography for Trauma); an ultrasound examination directed at detection of the presence of free fluid in trauma patients.



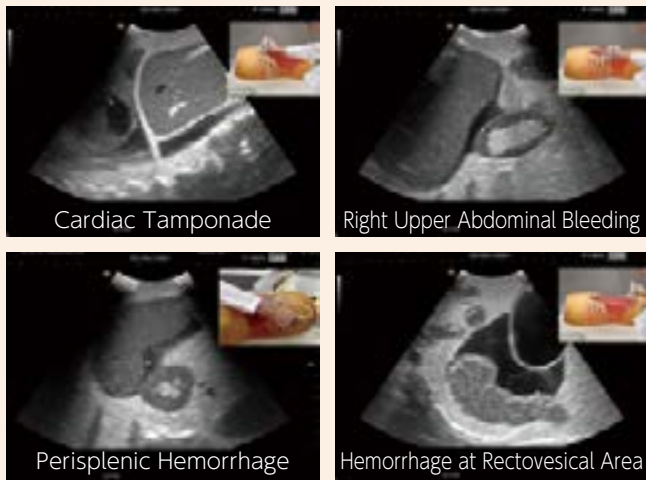
FEATURES

- 1 | An innovative phantom for repetitive training of FAST as an adjunct to the ATLS primary survey
- 2 | Pathologies include cholecystitis, an aortic aneurysm and a lesion on the colon.

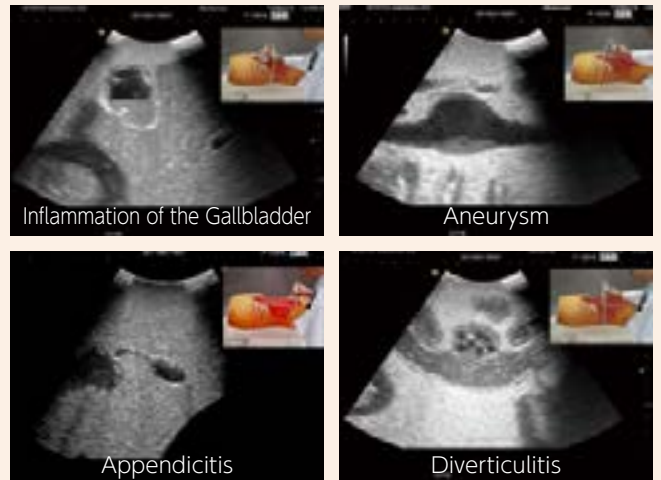
SKILLS

- | Internal hemorrhage at perihepatic, perisplenic, pelvis and pericardium area
- | Sonography for acute patients

FAST



Acute abdomen



DESCRIPTIONS

SPECIFICATIONS

Size: W62 x D30 x H25 cm Weight: 30kg / 66lbs
W24.4 x D11.8 x H9.8 inch

SET INCLUDES

- 1 | ultrasound phantom with carrying base
- 1 | tutorial manual (DVD)
- 1 | talcum powder
- 1 | instruction manual

MATERIALS

Polyurethane elastomer
Latex free

REPLACEMENT PARTS

-

RECOMMENDED DEVICES

-

*Ultrasound scanner is not included.

MW11



Difficult Airway Management Simulator -Assessment System-

Enhance your intubation technique to ensure and maximize patient safety

Product Supervision

This hands-on simulator is the world exclusive system that offers objective feedback on intubation skills. Real time visualization of performance allows evaluation, assessment and identification of areas for improvement.

Atsuo Takanishi, Laboratory of Faculty of Science and Engineering, Waseda University



FEATURES

- Objective feedbacks are given in two ways:
 - Intubation result: assesses life-saving technique
 - Skills assessment: assesses patient experience
- Assessment criteria feedback is quantitatively monitored and displayed.
- Each session can be saved and stored for review and debriefing.
- A variety of difficult airway conditions can be set by touch panel control.
- Convenient all-in-one unit

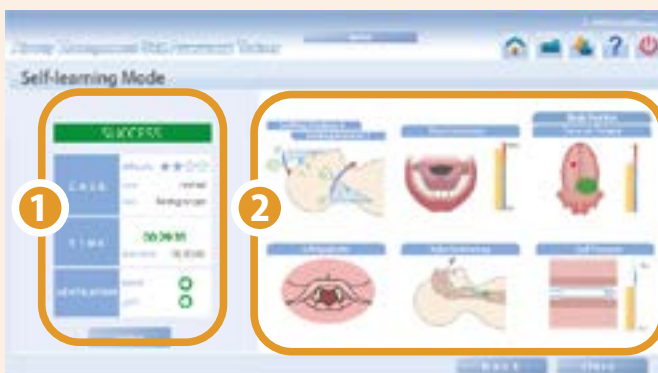
SKILLS

- Tracheal intubation
- Intubation and ventilation on difficult airways

👍 KEY FEATURES

POINT 1

Visual Feedback of Objective Assessment

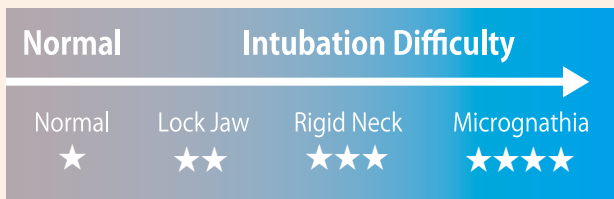


- Intubation Result Display**
Successful intubation is defined as dual-lung ventilation within the time limit.

- Multiple Skill Assessment**
Objective assessment of based upon the data taken by professionals

POINT 2

Normal and 3 Difficulty Levels of Airways



Different levels of difficulty for the intubation procedure can be set with the touch panel. There is one "normal" setting and three additional levels with increasing difficulty.

POINT 3

Records of Personal Training History Support Skills Development

The performance assessment can be saved so that users can review their skills and check their improvement.



5 most recent sessions are visually summarized to analyze each achievement

Sessions are classified by difficulty level, with success rate of the 5 most recent sessions calculated and displayed.



Record of learning history

A list of each users' data is recorded



Movie Recording

Overhead monitoring and laryngoscope point-of-view can be displayed and recorded along with the assessment data.

DESCRIPTIONS

SPECIFICATIONS

Size: W50 x D110 x H160 cm
W19.7 x D43.3 x H63 inch

Weight: 82 kg/181lbs

Power: AC100-240V, 50/60 Hz
Power Consumption: 120 VA

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

(Macintosh laryngoscope) blade size 4
(Endotracheal tube) internal diameter 7.5mm
(Video laryngoscope) AWS-S200

SET INCLUDES

- 1 unit base including 1 video camera,
- 1 monitor, 1 manikin
- 1 printer
- 1 stereo mini plug

- 1 keyboard
- 1 lubricant for manikin
- 1 instruction manual

REPLACEMENT PARTS

- 11392-040 1 chest skin
- 11392-050 5 pairs of lungs
- 11392-060 5 stomachs
- 11392-090 1 face mask
- 11390-010 sensor-installed tongue

- 11229-050 lubricant
- 11390-020 sensor (blade force and position)

* Instruments are not included.

MW13



Difficult Airway Management Simulator -Training Model-

From beginners to experts with a range of difficulty levels

Difficult Airway Management Simulator provides training for users from all levels of experience with availability of 24 different cases. The robust structure and stable base make the model compatible for various training scenarios such as emergency, pre-hospital or clinical settings. A variety of actual clinical devices can be used for training, such as laryngoscope, bag valve mask, and a video laryngoscope.

Variation of DAM Setting



Neck Flexibility
(Life-like jaw movement)



Mouth Opening
- Normal
- Intermediate
- Difficult



Tongue
- Normal
- Swollen



Laryngospasm
- Normal
- Laryngospasm



FEATURES

- 24 variations of patient scenario (including 1 normal case):
3 stages of mouth opening, 2 stages of neck flexibility,
2 tongue sizes and 2 positions of the vocal cords
- Upper incisors are designed to break off when excessive force is applied.

SKILLS

- Airway opening techniques (head tilt, jaw thrust)
- Bag-Valve-Mask ventilation
- Pre-intubation airway assessment
- Recreating the sniffing position
- Pressurization of external larynx to improve the laryngeal view
- Intraoral/Intranasal Intubation
- Use of oropharyngeal airway (OPA)
- Use of nasopharyngeal airway (NPA)
- Use of laryngeal airway mask
- Use of video laryngoscope
- Confirmation of successful ventilation by:
 - observation of thoracic and abdominal movement (lung expanding, stomach inflating) or auscultation of the chest
- Simulates incorrect procedures including intubation in the esophagus and unilateral intubation
- Practice securing tubes after intubation

Variation of DAM Training



Bag-Valve-Mask
Ventilation

Confirmation of
Endotracheal Tube
Placement

A Variety of
Possible Airway Skills

SPECIFICATIONS

Size: W70 x D39 x H25 cm
W27.6 x D15.4 x H9.8 inch

Weight: 7kg / 15.4lbs

SET INCLUDES

- 1 manikin
- 3 upper incisors
- 1 lubricant
- 1 syringe
- 1 carrying bag
- 1 instruction manual

SET VARIATIONS

- 11392-000 MW13 light skin tone
- 11392-000-D MW13 dark skin tone

DESCRIPTIONS

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- 11392-010 10 upper incisors
- 11392-090 1 face mask II
- 11392-040 1 chest cover
- 11392-080 2 replacement tongues II
- 11392-050 5 pair of lungs
- 11392-060 5 stomachs
- 11229-050 lubricant

RECOMMENDED DEVICES

(Macintosh laryngoscope) blade size 3, 4
(Endotracheal tube) internal diameter
7.0mm, 7.5mm
(Laryngeal mask) Air-Q: size 3.5
LMA Supreme: size 4
I-gel: size 4

OPTIONAL PARTS

11384-100 bronchofiberscopy training unit

* Instruments are not included.

MW14



Difficult Airway Management Simulator -Demonstration Model-

Great addition to a demonstration tool for airway management

Compact table-top design, anatomical accurate and a variety of DAM settings.
Ideal for demonstration of skills and devices.



FEATURES

- 1 | Anatomically correct airway
- 2 | The incisors are removable when excessive force is applied.
- 3 | Successful tube tip placement can be confirmed by indicators.

SKILLS

- | Airway opening techniques (head tilt, jaw thrust)
- | Bag-Valve-Mask ventilation
- | Pre-intubation airway assessment
- | "Sniffing position"
- | Pressurization of external larynx to improve the laryngeal view
- | Intraoral/Intranasal Intubation
- | Use of oropharyngeal airway (OPA)
- | Use of nasopharyngeal airway (NPA)
- | Use of laryngeal mask airway
- | Use of video laryngeal scope
- | Confirmation of successful ventilation by indicators.
- | Feedback of incorrect procedures including esophagus intubation and unilateral intubation
- | Securing the tube in place with tape or Thomas™ endotracheal tube holder

DESCRIPTIONS

SPECIFICATIONS

Size: W45 x D20 x H25 cm Weight: 2.7kg/ 5.95lbs
W17.7 x 7.9 x H9.8 inch

SET INCLUDES

1	manikin	1	syringe
3	upper incisors	1	carrying bag
1	lubricant	1	instruction manual

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11393-020	1	face mask
11392-080	2	replacement tongues II
11392-010	10	upper incisors
11229-050		lubricant

RECOMMENDED DEVICES

(Macintosh laryngoscope) blade size 3,4
(Endotracheal tube) internal diameter
7.0mm, 7.5mm
(Laryngeal mask) Air-Q: size 3.5
LMA Supreme: size 4
I-gel: size 4

* Instruments are not included.

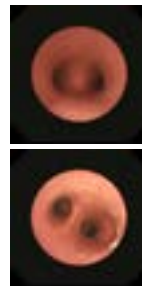
MW19



Difficult Airway Management Simulator for Bronchofiberscopy

Realistic trainings in insertion and management of a fiberscope

Anatomically correct trachea and bronchi provides realistic view through a scope,
allowing recognition of bifurcations.



FEATURES

- 1 | Anatomically correct trachea and bronchi that include trachea bifurcation for segmental bronchi.

SKILLS

- | Insertion and management of a fiberscope
- | Recognition of bifurcations by a fiberscope
- | Airway opening techniques (head tilt, jaw thrust)
- | "Sniffing position"

DESCRIPTIONS

SPECIFICATIONS

Size: W45 x D20 x H25 cm Weight: 2.65kg/ 5.84lbs
W17.7 x 7.9 x H9.8 inch

SET INCLUDES

1	manikin	1	instruction manual
3	upper incisors		
1	lubricant		
1	syringe		
1	carrying bag		

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

11393-020	1	face mask II
11392-080	2	replacement tongues II
11392-010	10	upper incisors
11229-050		lubricant

RECOMMENDED DEVICES

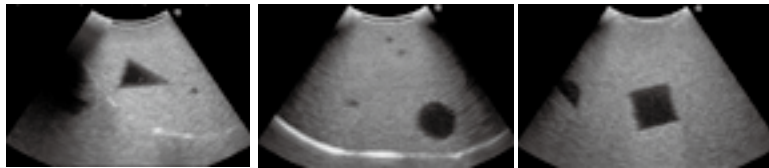
(Macintosh laryngoscope) blade size 3, 4
(Endotracheal tube) internal diameter
7.0mm, 7.5mm
(Laryngeal mask) Air-Q: size 3.5
LMA Supreme: size 4
I-gel: size 4

* Instruments are not included.

US-18

Fundamental Ultrasound Phantom

This oval phantom helps sonographers with basic trainings



FEATURES

- 1 | Phantom for basic manipulation of ultrasound transducer
- 2 | Recognition of shape, echogenicity, distance, and practice of horizontal transducer works

SKILLS

- | Interpret 2-D cross sectional images into the shape of 3-D dimensional objects
- | 10 objects are embedded
- | Adjusting Time-Gain Compensation to obtain suitable density
- | Measuring dimensions and distance
- | Transducer handling to obtain accurate 2-D cross-section image
- | Flat and spheroidal surfaces provide a variety of difficulty

DESCRIPTIONS

SPECIFICATIONS

Size: W24 x D16 x H10 cm/ W9.5 x D6.3 x H3.9 inch Weight: 2kg/ 4.4lbs

MATERIALS

Polyurethane elastomer
Latex free

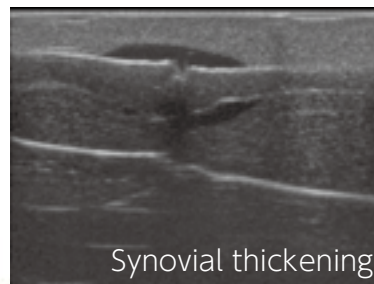
SET INCLUDES

- 1 | phantom
- 1 | targets layout diagram
- 1 | talcum powder
- 1 | storage case

*Ultrasound scanner is not included.

US-17

Rheumatoid Hand Phantom



Ultrasound examination is a key skill for early diagnosis on rheumatoid arthritis.

FEATURES

- 1 | For skills training of ultrasound examination on rheumatoid arthritis
- 2 | Synovial thickening and increased synovial fluid are simulated on middle and ring finger.

SKILLS

- | Ultrasound examination on rheumatoid arthritis

DESCRIPTIONS

SPECIFICATIONS

Size: 17 x 5 x 21 cm
6 x 2 x 8 inch Weight: 0.6kg/ 1.32lbs

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

- 1 | hand manikin
- 1 | instruction manual
- 1 | storage case
- 1 | talcum powder

*Ultrasound scanner is not included.

Human Anatomy Model Mr. A1A

The original A1A anatomical model was produced in 1964. At that time, other models in the market used to be stumpy, bulky and unrealistic. A1A was created to be an innovation with the most realistic, more close-to-human anatomies. As there was no preceding example available back then, one of our employees at that time stood in as its living model. With his physically toned right arm, the athletic pose of A1A was adapted. Thanks to his contribution, A1A had since become our long-standing seller. As of 2018, A1A has been reborn with its new and improved features.



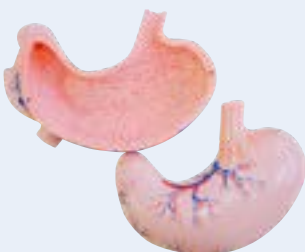
A1A

Human Anatomy Torso (dual sex)

1, Heart, frontal lungs and frontal diaphragm can be taken apart so that cross-sections and connecting organs can be seen.

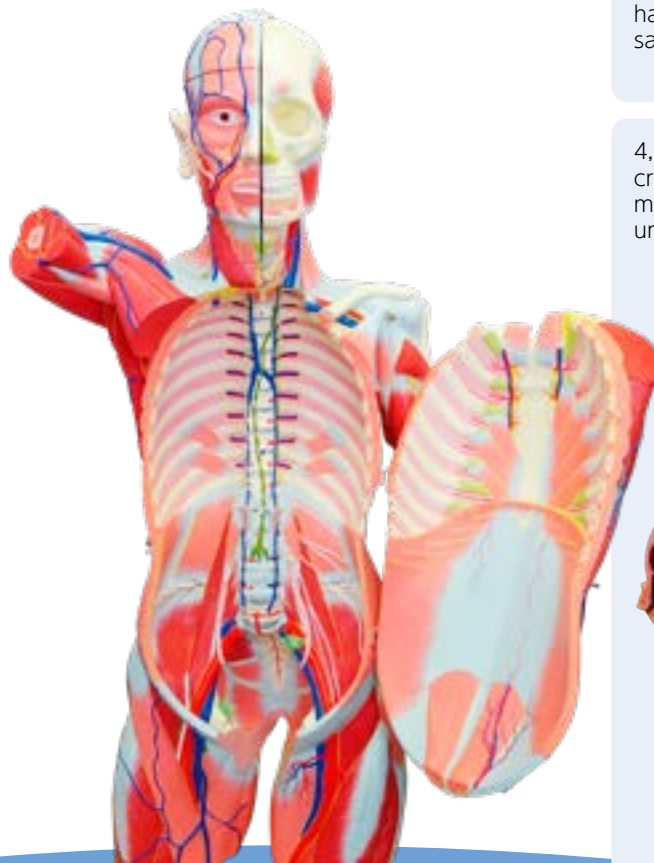


2, The stomach can be opened to see the inner structures.



3, Improvements to the abdominal cover make the handling of the model much safer.

4, Improvements to shape, cross-sections, colors and materials make anatomical understanding much easier.



DESCRIPTIONS

SPECIFICATIONS

Size: W60 x D34 x H110 cm
W23.6 x D13.4 x 43.3 inch

MATERIALS

Soft resin
Latex free

A2D

Dissectible Anatomy of Arm (parts)

90 anatomical anecdotes are included in this model. Made of rigid plastic and is 27.2 inch high. It is mounted on a base with a supporting rod.



A3D

Dissectible Anatomy of Leg (parts)

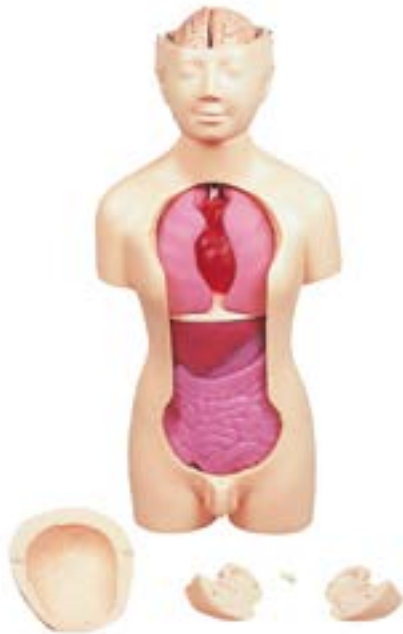
This model made of rigid plastic is 36.2 inch high and can be separated into 27 parts. This model is mounted on a base, and the principal nerves and blood vessel systems are replicated in detail.



TM90-2

Junior Torso -Advanced Model-

This model is a very useful study aid for students and is a great illustration of the digestive system. It is made of flexible plastic, separates into 18 parts and is approximately 33.6 inches tall.



M42

Muscles of Arm

This model is a great tool for visualizing the functions of the joint and muscle of the elbow. The state of the muscle can be observed when the arm is stretched and bent.



A144

Nerves and Vessels of Arm

A full replica of the arm's blood vessels and nerves. A great addition to education regarding intravenous procedures.



Circulatory System Model Life-sized



A61

Circulatory System Model

With arteries on the left and veins on the right, accurate relationship between the circulatory system and organs is displayed on this 47 inch model.



A62

Circulatory System with Skelton Model

This 47 inch, plastic model is mounted on a metal stand and replicates anatomies such as the cochlea, skeleton, blood vessels, brain, heart, liver, kidney and spleen.



A100

Nervous and Circulatory System

A thorough and convenient replica, with the circulatory system on the left and the nervous system on the right. Approximately 54 in. tall.



A25

Nervous System Model

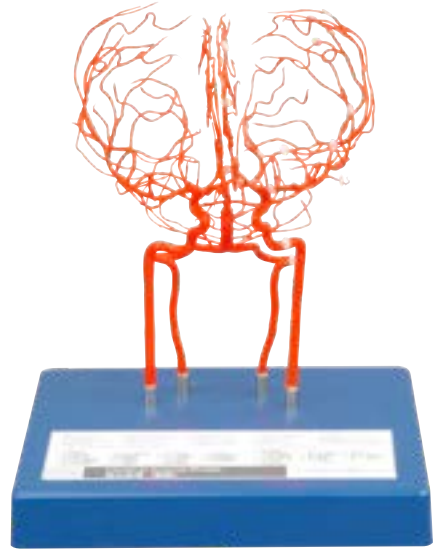
The left half of the skull reveals the brain and the medulla oblongata. The nerves are fully shown, and the model is mounted on a metal stand for a total height of 51.2 in.



A120

Cerebral Arteries

This life-size replica of the brain arteries spreads over and into the cerebrum region. The cerebrum and the spinal bulb are accurately depicted. Model on a metal stand.



A48-1

Bronchus and Pulmonary Vessels Model

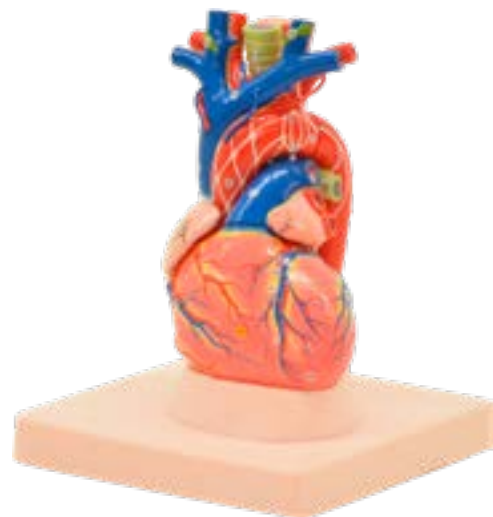
This model shows in detail the relation between the bronchus, the pulmonary arteries, and veins which clearly shows how the arteries and veins are distributed to the right and left lungs.



A59

Heart Anatomy B

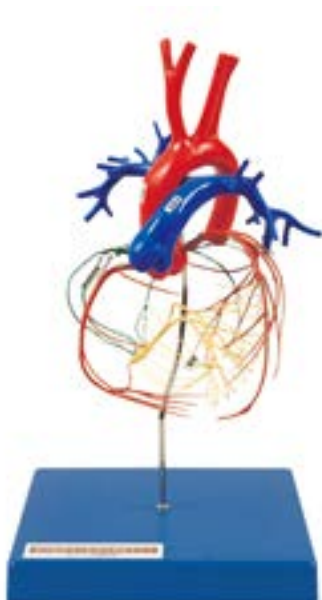
This life-sized heart is dissectible into 6 parts. The esophagus, trachea and aorta descending aorta are removable. Comes with anatomical anecdotes. Approx. 10 inches.



A142

Coronary Artery and Conducting System Model

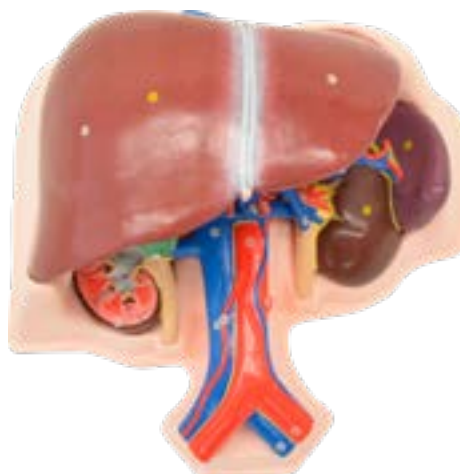
This model replicates the location of the impulse conducting system and coronary arteries in the human heart. It is useful for primary guidance in scientific education.



A69

Liver, Kidneys and Spleen Model

Life-size model, mounted on a base. Three organs are represented in visceral positions showing the principal blood vessels and nerves.



A71

Intestines Model

This model demonstrates a posterior view of the digestive system. The mesenteric vessels are shown in three parts: the cecum, the jejunum and the ileum. The model is composed of plastic.



A136

Coronary Arterial Model

Placed in a transparent case with angular gradations. A knob on the top rotates the model to demonstrate.



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- Ultrasound Phantom
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