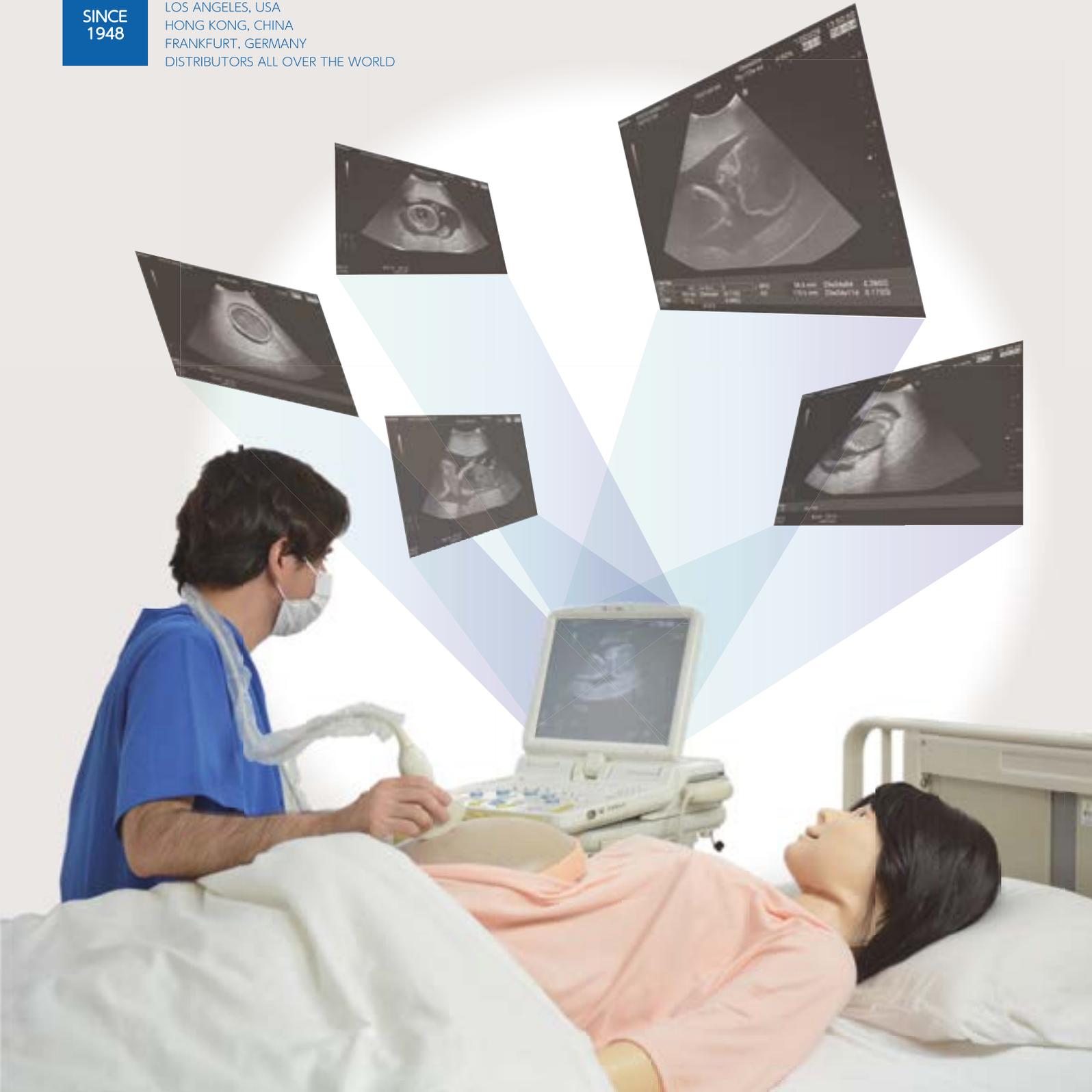


SINCE
1948

KYOTO, TOKYO AND SENDAI, JAPAN
LOS ANGELES, USA
HONG KONG, CHINA
FRANKFURT, GERMANY
DISTRIBUTORS ALL OVER THE WORLD



 KYOTO KAGAKU  KYOTOKAGAKU AMERICA

Ultrasound Phantoms

PRODUCT CATALOG Vol. UP-1

For optimal application of ultrasound in medicine

Kyoto Kagaku started preparing for coming age of medical ultrasound as early as turning of the century. At the beginning, there was two streams to pursuit: development of material for ultrasound phantom that is not only close to human tissue under ultrasound but also stable and long-life, construction of three-dimensional anatomical representation that facilitate improving interpretation skills of trainees. With the passage of time, application of ultrasound in medicine has developed and also the phantoms. Now Kyoto Kagaku phantoms cover the field of QA, training in examination and ultrasound guided procedures, and serving the range of health care specialties.



Photos courtesy of Adventist University of Health Sciences

Our ultrasound phantoms are presented at exhibitions such as RSNA, ECR, AIUM, SDMS and IMSH.

For the latest information please visit:

 **KYOTO KAGAKU co.,LTD**

Corporate Website

www.kyotokagaku.com/en

Facebook

www.facebook.com/KyotoKagaku/

CONTENTS

NEW
 US-19
 Lung Ultrasound
 Training Phantom
 "ECHOLUNG"
 >>> P.03

NEW
 US-20
 Ultrasound Guided
 Tube Feeding
 Phantom
 >>> P.04

US-5
 FAST/ Acute
 Abdomen
 Phantom
 "FAST/ER FAN"
 >>> P.05

US-1B
 Ultrasound
 Examination
 Training Phantom
 "ABDFAN"
 >>> P.06

US-1
 Ultrasound
 Examination
 Training Phantom
 "ECHOZY"
 >>> P.07

US-3
 Abdominal
 Intraoperative &
 Laparoscopic Ultrasound
 Phantom "IOUSFAN"
 >>> P.08

US-7 α
 Fetus Ultrasound
 Examination
 Phantom
 "SPACE FAN-ST"
 >>> P.09

US-6
 Breast Ultrasound
 Examination
 Phantom
 "BREAST FAN"
 >>> P.10

US-10
 Female Pelvic
 Ultrasound
 Phantom
 >>> P.11

US-16
 Intradermal
 Urine Volume
 Measurement
 Phantom
 >>> P.12

US-11
 Scrotal
 Ultrasound
 Phantom
 >>> P.13

M93UB
 CVC Insertion
 Simulator II
 >>> P.14

M93C
 CVC Insertion
 Simulator III
 >>> P.15

MW18
 Ultrasound
 -Guided
 PICC Training
 Simulator
 >>> P.16

MW4/MW4A/MW15/MW17
 Ultrasound-Guided
 Thoracentesis/
 Pericardiocentesis
 Simulators
 >>> P.17-18

M43E
 Ultrasound
 Compatible Lumbar
 Puncture/ Epidural
 Simulator
 >>> P.19

US-9
 Ultrasound
 -Guided
 Breast Biopsy
 Phantom
 >>> P.20

11347-210
 Introductory
 Ultrasound
 Training Block
 "REAL VESSEL"
 >>> P.20

US-8
 Pediatric FAST/Acute
 Abdomen
 Phantom
 >>> P.21

US-14a/US-14b
 Ultrasound Neonatal
 Head Phantom
 (Normal type)
 (Abnormal type)
 >>> P.22

US-13
 Infant Hip Sonography
 Training Phantom
 >>> P.23

US-18
 Fundamental
 Ultrasound
 Phantom
 >>> P.24

US-17
 Rheumatoid
 Hand
 Phantom
 >>> P.24

US-2/US-4
 Breast Ultrasound QA
 Phantom/
 Breast Ultrasound QA
 Phantom
 >>> P.25

Features of
 Ultrasound Phantom
 Materials
 >>> P.26

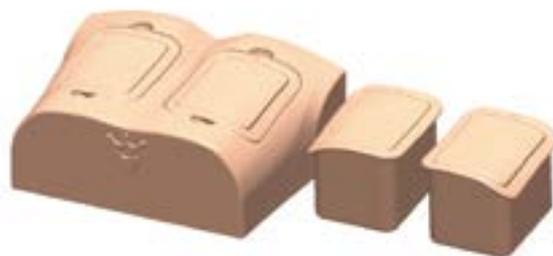
Examples of
 custom made
 phantoms
 >>> P.27-P.29

Lung Ultrasound Training Phantom ECHOLUNG

Simple, durable and effective tool to learn the basics of lung ultrasound.

Product Supervision

Hirosaki University
School of Medicine & Hospital Department
of General Medicine Tadashi Kobayashi



FEATURES

- 1 | Four kinds of units: A-LINE, B-LINE(few), B-LINE (many), pneumonia and pleural effusion to learn the basics of lung ultrasound.
- 2 | Anatomy includes: lung, chest wall, ribs
- 3 | No special storage needed
- 4 | Suitable for training in large groups

SKILLS

- | Handling and manipulation of probe on lung ultrasound.
- | Scanning the lungs to evaluate pneumonia findings.



A-LINE



B-LINE



B-LINE(many)



Pneumonia and pleural effusion

DESCRIPTIONS

SPECIFICATIONS

Size:Body:32×25×12.5cm/13×10×4.9 inch
Module:14.8×11.8×11cm/5.8×4.6×4.3 inch

Weight:Body:1.9kg
A-LINE/B-LINE/B-LINE (many) : 0.9kg
Pneumonia and pleural effusion : 1.4kg

SET INCLUDES

- 1 | Main Body
- 4 | Kinds of lung modules
- 1 | Instruction manual
- 1 | Talcum powder
- 1 | Storage case

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×D18cm
W11.4×H6.7×D7.1inch

Weight : 2.8kg

SET INCLUDES

- 1 | Main Body
- 1 | Ultrasound neck block
- 1 | Nasogastric Tube
- 1 | Syringe
- 1 | Talcum powder
- 1 | Storage case



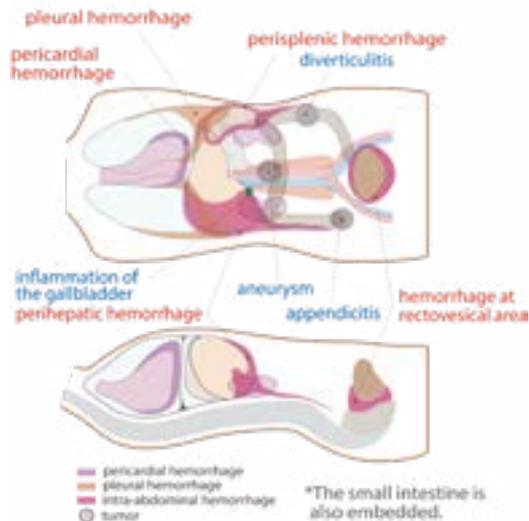
FAST/Acute Abdomen Phantom "FAST/ER FAN"

Conduct "FAST" assessment to save a trauma patient!

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.

Product Supervision

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



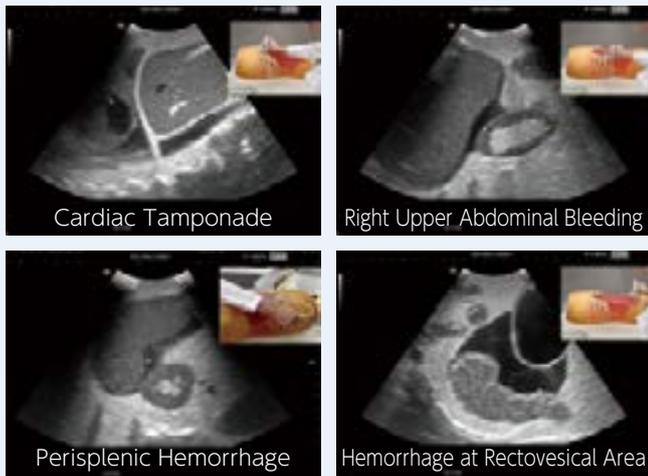
FEATURES

- 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.

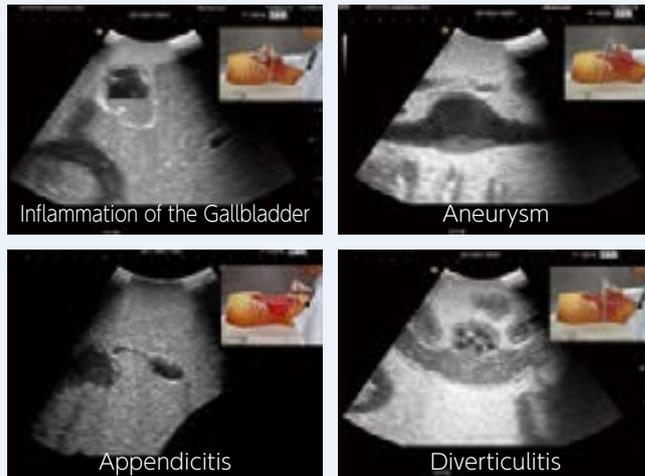
SKILLS

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

FAST



Acute abdomen



DESCRIPTIONS

SPECIFICATIONS

Size: W62 x D30 x H24 cm Weight: 30kg / 66lbs
W24.4 x D11.8 x H9.4 inch

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

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

*Ultrasound scanner is not included.





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.

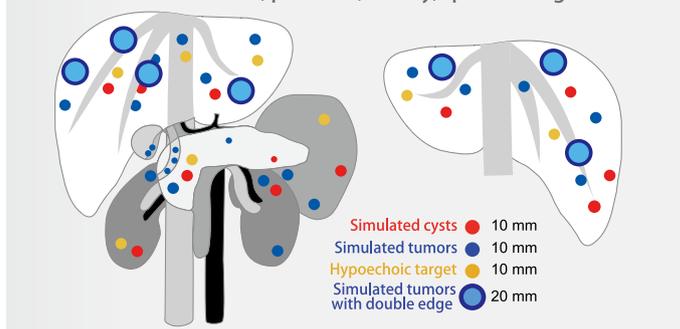
Product Supervision

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 | Eight Couinaud's hepatic segments can be localized.
- 3 | ABDFAN has various simulated lesions to provide wider training variety.

SKILLS

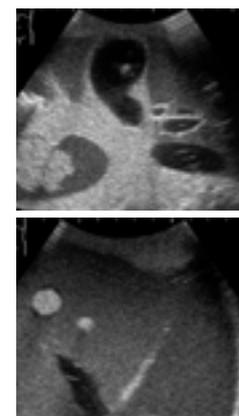
- | Basics of abdominal sonography:
 - Cross sections and sonographic anatomy
 - Sonographic demonstration of each individual organ
 - Localization of hepatic Couinaud's segments

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
- | Both kidney lesions
- | Left adrenal tumor



DESCRIPTIONS

SPECIFICATIONS

Size: 25x18x28cm / 9.8x7x11 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 tutorial manual (DVD)	1 positioning pillow
1 storage case	1 tutorial manual (DVD)
1 instruction manual	1 storage case
	1 instruction manual





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

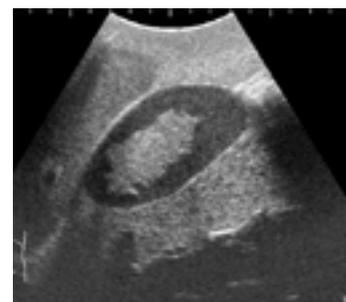
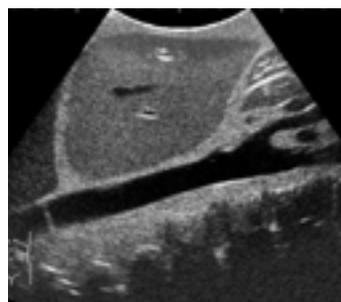
- 1 | Detailed hepatobiliary, pancreatic and other abdominal anatomy
- 2 | Eight Couinaud's hepatic segments can be localized.

SKILLS

- | Basics of abdominal sonography:
 - Cross sections and sonographic anatomy
 - Sonographic demonstration of each individual organ
 - Localization of hepatic Couinaud's 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: 25x18x28cm / 9.8x7x11 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 storage case	1 set positioning pillow
	1 storage case





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

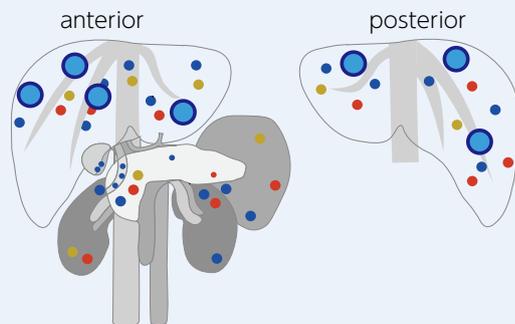
FEATURES

- 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

MATERIALS

Polyurethane elastomer
Latex free

SET INCLUDES

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



US-7 α 

Fetus Ultrasound Examination Phantom "SPACE FAN-ST"

Staple phantom for hands-on practice in second trimester screening

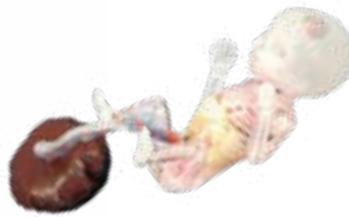
Includes a 23-week fetus with detailed anatomy associated with assessment of gestational age in second trimester

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

Included 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 shape 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

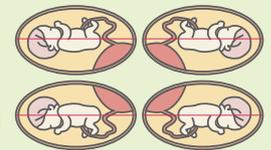
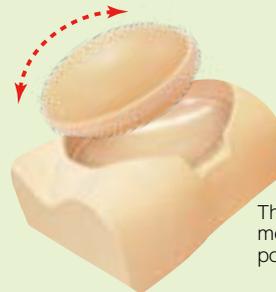
Uterus

- | 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 shape phantom abdomen can be set in four different positions.

DESCRIPTIONS

SPECIFICATIONS

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

Weight: 7.3kg / 13 lbs

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-6



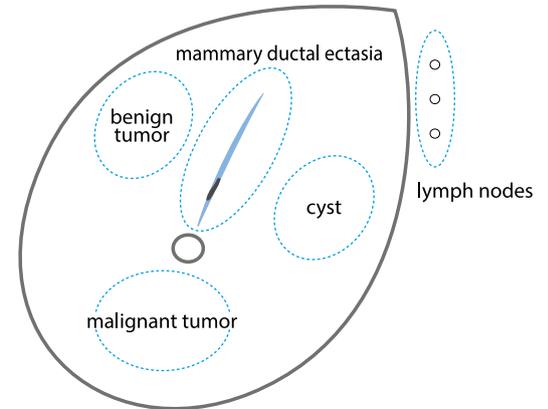
Breast Ultrasound Examination Phantom "BREAST FAN"

Unique phantom for basic breast ultrasound examination

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

Product Supervision

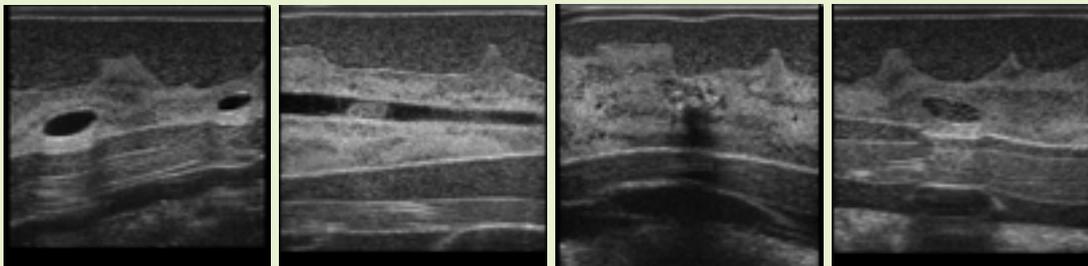
Tokiko Endo, MD, PhD
 Director of Department of Advanced Diagnosis,
 Clinical Research Center,
 National Hospital Organization Nagoya Medical Center
 Director of Department of Radiology,
 National Hospital Organization Nagoya Medical Center

**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: W33 x D45 x H11 cm
 W13.0 x D17.7 x H4.3 inch

Weight: 7kg / 15.4lbs

SET INCLUDES

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

MATERIALS

Polyurethane elastomer
 Latex free

* Ultrasound scanner is not included.



US-10 US-10a US-10b



Female Pelvic Ultrasound Phantom

Practice both transvaginal and transabdominal ultrasound procedures in one

New unit released includes normal, pathological and ectopic pregnancies.

Product Supervision

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



coming soon

IUD Unit

FEATURES

- 1 | Compatible with actual ultrasound probe
- 2 | Three 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

ANATOMY Three variations of training sets. Select the one which best meet your requirements.

US-10A: Full set

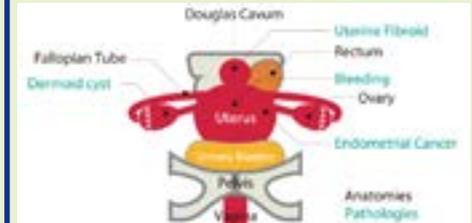
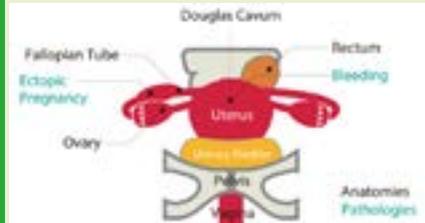
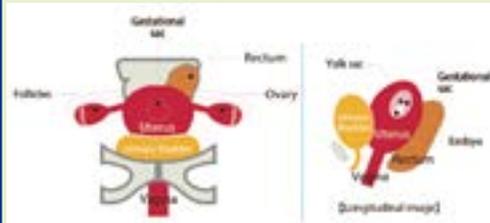
US-10B: for Obstetrics

US-10: for Gynecology

Normal pregnancy unit (7 weeks)

Ectopic pregnancy unit

Pathological unit



DESCRIPTIONS

SPECIFICATIONS

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

weight: 7.2kg / 15.9 lbs

SET INCLUDES

US-10
 Female Pelvic Ultrasound Phantom

- 1 | lower torso manikin
- 1 | ultrasound pathology unit
- 1 | ultrasound ectopic pregnancy unit
- 1 | talcum powder
- 1 | Syringe
- 1 | storage case
- 1 | instruction manual

US-10A
 Female Pelvic Ultrasound Phantom

- 1 | lower torso manikin
- 1 | ultrasound pathology unit
- 1 | ultrasound first trimester pregnancy unit
- 1 | ultrasound ectopic pregnancy unit
- 1 | talcum powder
- 1 | Syringe
- 2 | storage case
- 1 | instruction manual

MATERIALS

Soft resin, Polyurethane elastomer
 Latex free

US-10B
 Obstetrics Pelvic Ultrasound Phantom

- 1 | lower torso manikin
- 1 | ultrasound first trimester pregnancy unit
- 1 | ultrasound ectopic pregnancy unit
- 1 | talcum powder
- 1 | Syringe
- 1 | storage case
- 1 | instruction manual

REPLACEMENT PARTS

- 41909-030 | ultrasound pathology unit
- 41909-040 | ultrasound ectopic pregnancy unit
- 41909-050 | ultrasound first trimester pregnancy unit
- 41909-060 | skin for US-10 / 10A / 10B

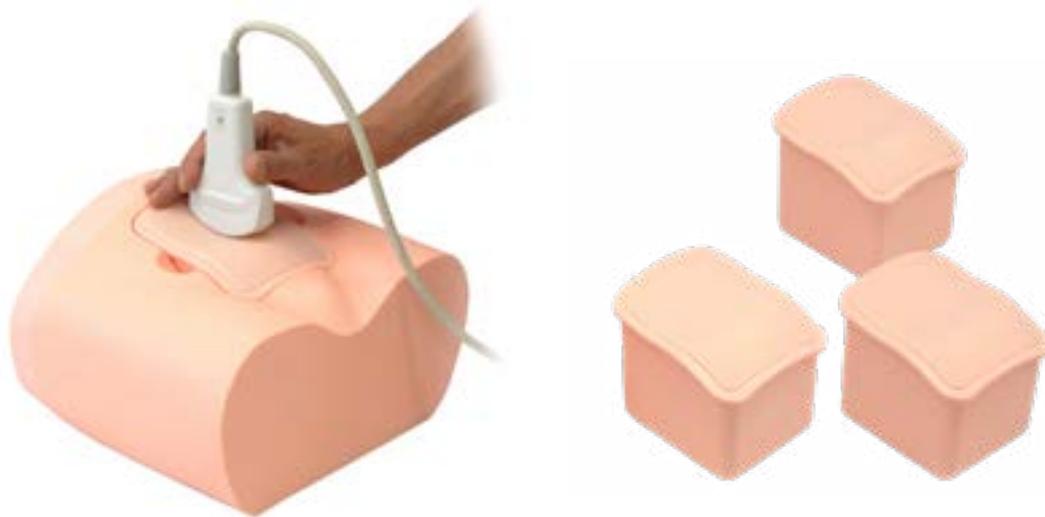
* Ultrasound scanner is not included.

US-16



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



The data is measured by Fujifilm iViz air.

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

MATERIALS

Latex free

SET INCLUDES

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

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 pathology
- 2 | Excellent ultrasound image quality

SKILLS

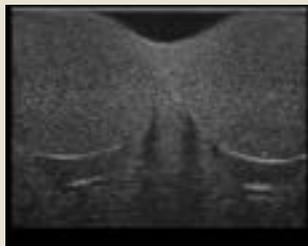
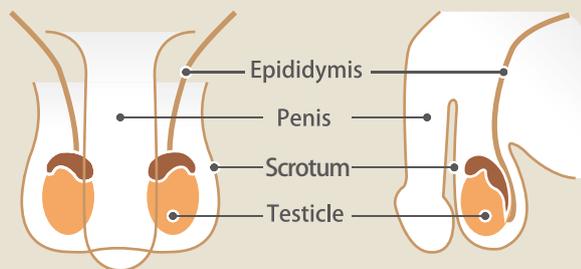
- | Patient positioning and preparation for examination
- | Scrotal ultrasound screening
- | Visualization of testicular cancer



KEY FEATURES

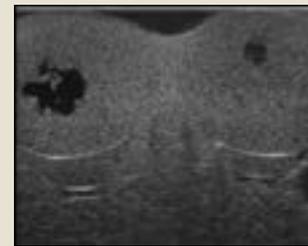
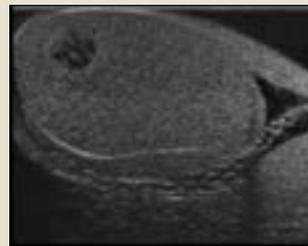
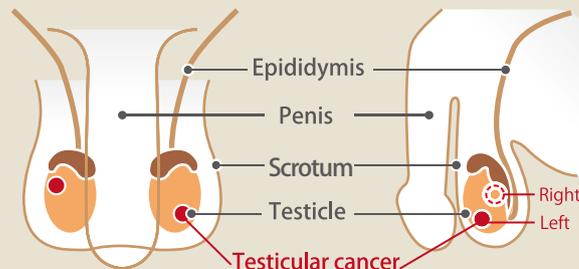
Normal phantom

- 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: 34x33x24cm / 13.4x13x9.4 inch Weight: 3.6kg / 7.9lbs

SET INCLUDES

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

REPLACEMENT PARTS

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

* Ultrasound scanner is not included.



M93UB



CVC Insertion Simulator II

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



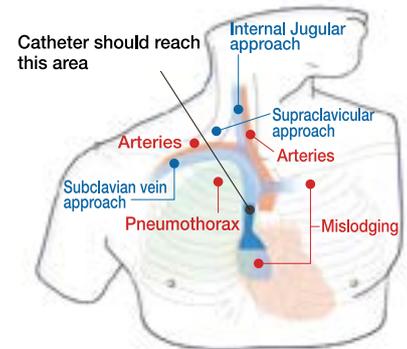
Product Supervision

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 13.4inch

Weight: 2.3kg/5lbs

MATERIALS

Soft resin
Latex free

RECOMMENDED DEVICES

Ultrasound scanner and needles are not included.

SET INCLUDES

1 male upper torso manikin	1 red coloring powder
1 landmark puncture pad	1 blue coloring powder
1 ultrasound puncture pad	1 air bulb
1 transparent anatomical block	2 plastic jars
1 introductory ultrasound training block	1 irrigation bottle

1 syringe
1 sample syringe
1 sample needle

REPLACEMENT PARTS

11347-119	2 landmark puncture pads
11347-170	2 ultrasound puncture pads
11347-210	2 introductory ultrasound training blocks
11347-240	2 CVC placement pads
11347-250	pulsation unit for CVC placement pad
11347-260	1 pulsation unit (for M93UB)
11347-320	irrigation bottle



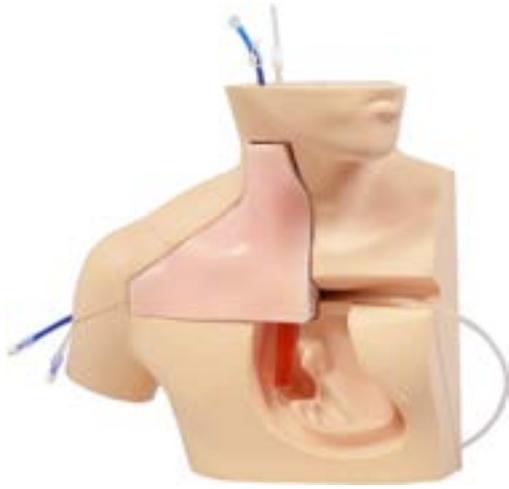
M93C



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 the realistic sensation of CVC placement.

SKILLS

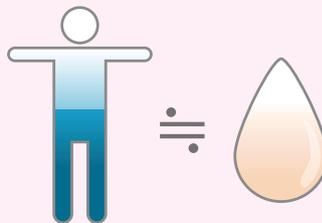
Take complete steps to a successful CVC insertion

- | 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

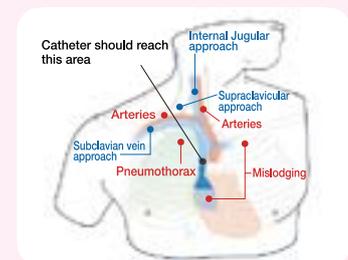
KEY FEATURES



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 tube (blue): 2 type	1 coloring powder (red/blue)
2 CVC placement pad	2 vein pipe	1 sample needle
1 skin for cannulation training	1 pulsation unit (for landmark technique)	1 syringe (2.5ml, 50ml each)
1 transparent anatomical block	1 irrigation bottle (for UG technique)	1 introductory ultrasound training block
2 artery tube (transparent): 2 type	2 plastic jar	REAL VESSELS

MATERIALS

Soft resin, hydrogel, hard resin
Latex free

RECOMMENDED DEVICES

Ultrasound machine and needles are not included.

REPLACEMENT PARTS

11347-210 2 introductory ultrasound training block REAL VESSELS
11347-240 2 CVC placement pads
11347-260 1 pulsation unit (for M93UB)
11347-320 irrigation bottle



MW18



Ultrasound-Guided PICC Training Simulator

New, innovative, human-like material for perfect visualization

A non-complicated 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



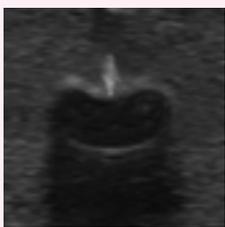
FEATURES

- 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

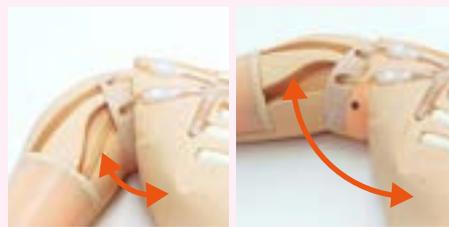
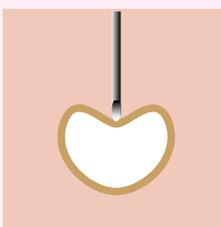
SKILLS

- 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
W31 x D15 x H7.1 inch

Weight: 4.5kg/10lbs

MATERIALS

Soft resin, hard resin
Latex free

RECOMMENDED DEVICES

PICC Catheter 4Fr. 50-60cm

SET INCLUDES

- | | |
|---------------------------------------|----------------------|
| 1 male upper torso with the right arm | 1 instruction manual |
| 2 PICC puncture pads | 1 storage case |
| 1 simulated blood (swab type) | |
| 1 jar | |
| 1 syringe | |

REPLACEMENT PARTS

11398-010 2 PICC puncture pads

Ultrasound scanner and PICC instruments 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



MW4



MW4A



MW15



MW17

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 syringes (50ml)	✓	✓	✓	✓x2
1 joint hose			✓	✓
1 tube with three-way stopcock	✓	✓		✓
1 plastic jar	✓	✓		✓

Thoracentesis

Simulate thoracentesis on both a torso and SP

Ultrasound-Guided Thoracentesis Simulator features two types of puncture units: mid-scapular line access and mid-axillary line access. Strap-on (wearable) puncture units facilitates 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 point" (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 / W15.7 x D9.9 x H19.7 inch
 Pad size: W16 x D7 x H21 cm / 6.3 x 2.76 x 8.3 inch
 Thora centesis unit
 Pad size: W16 x D14 x H21 cm / 6.3 x 5.6 x 8.3 inch
 Pericardio centesis unit

MATERIALS

Soft resin, Latex free

RECOMMENDED DEVICES

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

REPLACEMENT PARTS

11383-010 mid axially line unit puncture pad
 11383-020 mid-scapular line unit puncture pads } for MW4, MW17, MW4A
 11383-030 replacement lung
 11394-010 pad for MW15

M43E

Ultrasound Compatible Lumbar Puncture/ Epidural Simulator



Lumbar puncture training with ultrasound guidance

Anatomically correct puncture block offers excellent ultrasound images



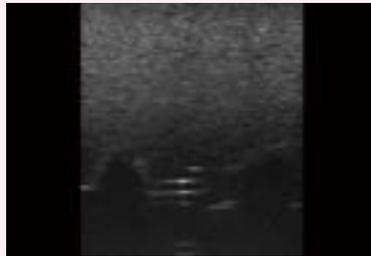
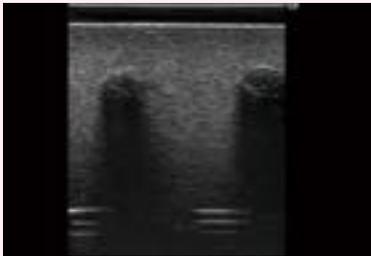
FEATURES

- 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

Weight: 3.15kg / 1.43lbs

SET INCLUDES

1 lumbar region model	1 irrigation bottle
1 ultrasound lumbar puncture/epidural block	1 syringe
1 ultrasound lumbar region skin cover	1 stand for irrigation bag
2 lumbar region support bases	1 instruction manual
(sitting position / lateral position)	1 irrigation bag
	1 storage case

MATERIALS

Soft resin, polyurethane elastomer
Latex free

RECOMMENDED DEVICES

Epidual needle:18G/Spinal needle:21G

REPLACEMENT PARTS

11348-190	ultrasound lumbar puncture /epidural block
11348-230	ultrasound lumbar region skin cover for M43E

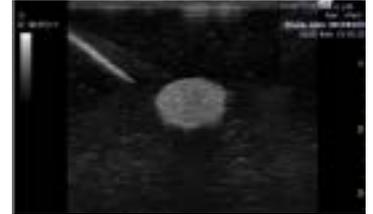
US-9



Ultrasound-Guided Breast Biopsy Phantom

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

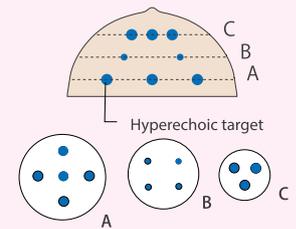
- 1 | Fine Needle Aspiration Biopsy (FNAB), Core Needle Biopsy (CNB) and Mammotome biopsy can be performed under ultrasound guidance.
- 2 | Realistic breast tissues that simulate the softness and resistance of the mammary gland.
- 3 | Targets are colored to confirm successful sampling.
- 4 | Targets are embedded in three levels for training in needle access in different angles and depth.
- 5 | Transparent and opaque phantoms provide level variations.
- 6 | Inexpensive and disposable for multiple attempts.

SKILLS

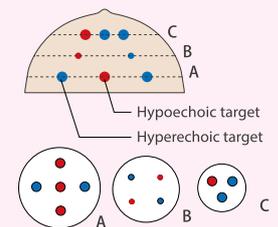
- | Hand-eye coordination in ultrasound biopsy
- | Localization of targets under ultrasound guidance
- | Sampling of target

KEY FEATURES

Basic (Transparent)
Hand-eye coordination



Advanced (Opaque)
Acquisition of skills in safe and reliable needle biopsy



DESCRIPTIONS

SPECIFICATIONS

Size: 16 dia. x H8 cm / 6.3 dia. x H3.1 inch Weight: 0.75kg / 1.7 lbs

MATERIALS

Hydrogel
Latex free

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

* Ultrasound scanner is not included.

11347-210

Introductory Ultrasound Training Block "REAL VESSEL"

FEATURES

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

SKILLS

- | Visualization and localization of the vessels
- | Transducer manipulation
- | Basics for ultrasound-guided vascular access





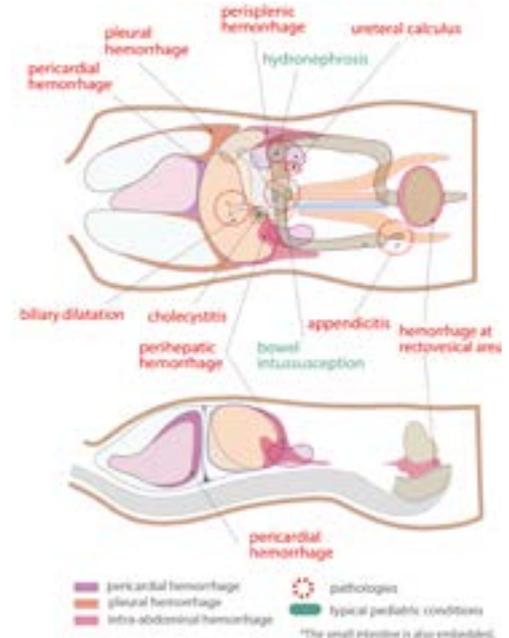
Pediatric FAST/Acute Abdomen Phantom

Ultrasound training for pediatric FAST procedures

This world's first pediatric ultrasound torso phantom provides opportunities of hands-on training in ultrasound examination of 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

IMAGES



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

MATERIALS

Polyurethane elastomer
 Latex free

SET INCLUDES

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

* Ultrasound scanner is not included.



US-14a

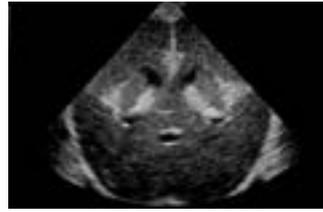


Ultrasound Neonatal Head Phantom (Normal Type)

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 trainees have few opportunities for training. This head model 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 storage case
- 1 instruction manual

* Ultrasound scanner is not included.

US-14b



NEW

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 storage case
- 1 instruction manual

* Ultrasound scanner is not included.





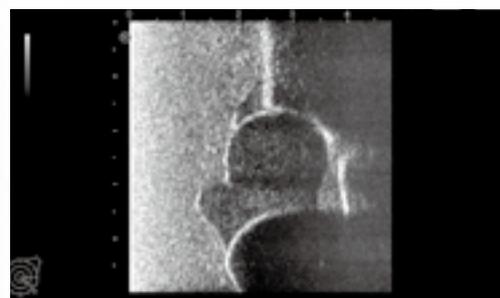
Infant Hip Sonography Training Phantom

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.



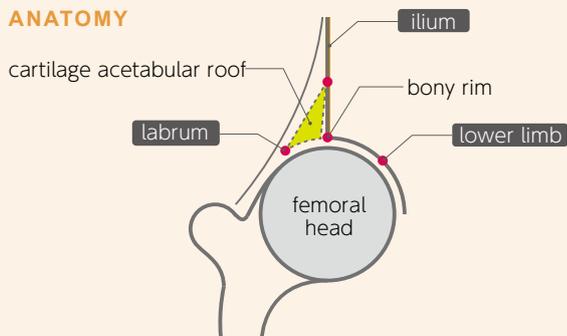
FEATURES

- 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

SET INCLUDES

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

*Supporting cushion is not included.

*Ultrasound scanner is not included.



US-18

Fundamental Ultrasound Phantom

This oval phantom which 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, which are all you are able to learn through this oval phantom

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

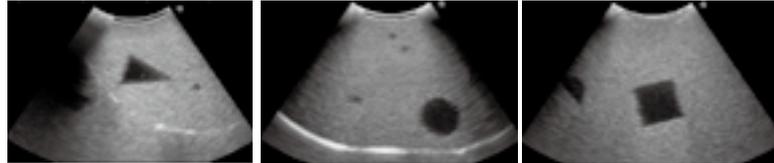
SPECIFICATIONS

Size: W24 x D16 x H11 cm/ W9.5 x D6.3 x H4.3 inch Weight: 2.3kg/ 5lbs

MATERIALS

Polyurethane elastomer
Latex free

*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 in 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 Weight: 0.6kg/ 1.32lbs
6 x 2 x 8 inch

SET INCLUDES

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

MATERIALS
Polyurethane elastomer
Latex free

*Ultrasound scanner is not included.

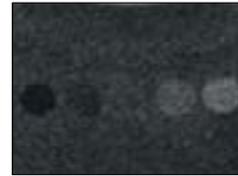
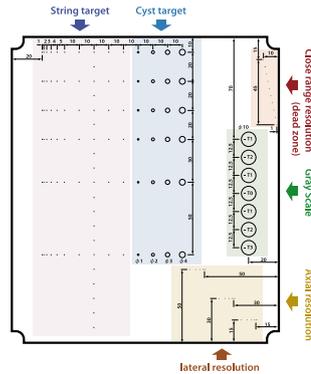
US-2

Ultrasound QA Phantom (Multi Purpose Phantom N-365)

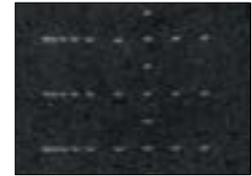


Durable and stable

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.

Weight: 3.6kg/ 7.9lbs

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

MATERIALS

Urethane elastomer, acryl, nylon
Latex free

SET INCLUDES

- 1 phantom
- 1 carrying case

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 around 10 MHz that is required in breast examination. For monthly basic quality check of ultrasound images, as well as longer term quality assurance to maintain consistency of the performance of scanners and transducers.



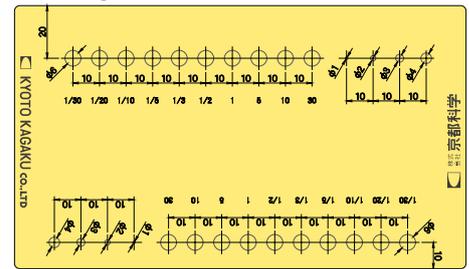
Mass targets block

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

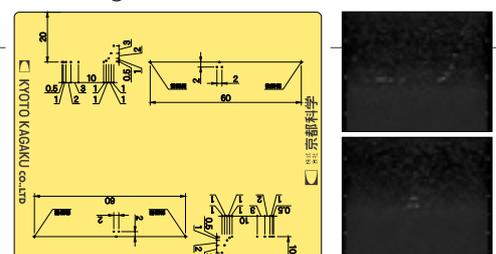
Dot targets block

Sonic velocity: 1442 m/sec at 25 degrees C
Attenuation coefficient: 0.73 dB/cm MHz at 24 degrees C
Acoustic impedance: 1.39rayl at 25 degree C
Integrated target: dot targets/ 45 degrees line target

Mass targets block (contrast resolution)



Mass targets block (contrast 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 blocks
- 1 dot targets blocks
- 1 thermometer
- 1 storage case

MATERIALS

Urethane elastomer, acryl, nylon
Latex free

Features of Ultrasound Phantom Materials



Comparison of 2004 phantom and 2012 phantom.

Natori H, Igarashi T, Arakawa M.
Durable fine resolution test phantom
for diagnostic ultrasound system
ECR 2013 Poster C-1765

"Durable fine resolution test phantom
for diagnostic ultrasound system",
H.Natori 2013

Materials for Ultrasound Phantoms

Japanese patent No. 3650096

Durable, stable with homogeneous granular background reflection
with excellent and controllable echogenicities

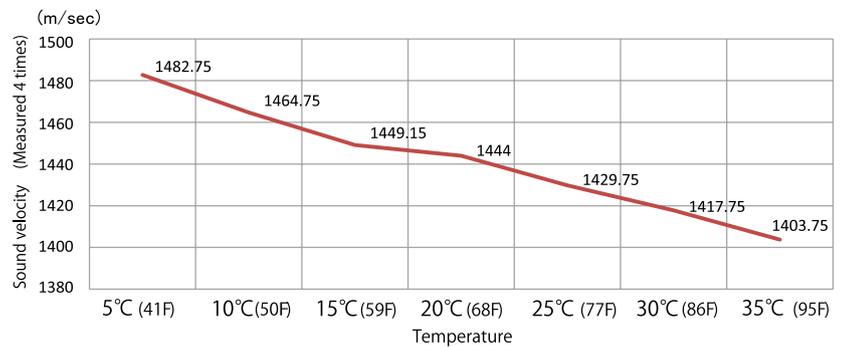
Sonic velocity: 1434m/sec at 25 degrees C

Density: 0.954g/cm³

Attenuation rate: 0.57dB/cmMHz at 25 degrees C

Acoustic impedance: 1.37 rayl at 25 degrees C

	15 degrees C	25 degrees C	35 degrees C
Speed of sound	1449.5 m/sec	1434.1 m/sec	1403.9 m/sec
Attenuation rate	0.58 dB/cmMHz	0.57 dB/cmMHz	0.55 dB/cmMHz



Examples of custom made phantoms

We accept custom order items tailored for your needs, such as:

Study tool for innovation, Meet training requirements to promote standardized or new method of examination, Demonstration and user-training tool for device suppliers

*The following phantoms are examples of custom made phantoms. Not for general sales.

Biliary model



A demonstration/user training phantom for percutaneous transhepatic biliary drainage (PTBD).

- Ultrasound and/or X-ray guided procedures.
- Common bile duct (CBD) is removable to place and remove a simulated mass lesion or stone, etc.,. Urinary tract mode



Urinary tract model

A demonstration/user training phantom for percutaneous nephrostomy/nephroureterectomy procedures.

- Ultrasound guided procedures.
- The bladder is transparent to demonstrate the catheter placement under direct vision.
- The kidney tissue allows repeated access with wide diameter catheters without showing marks of puncture site.



Abscess drainage model

A demonstration/user training phantom for percutaneous nephrostomy/nephroureterectomy procedures.

- Ultrasound , X-ray and or CT guided procedures.
- Three abscess with different diameters and depth.
- Abscess are refillable for repeated use.
- The tissue allows repeated access with wide diameter catheters without showing marks of puncture site.



Endoscopic Ultrasound (EUS) Phantom for promotion of EUS system

Stomach and duodenum are accessible with EUS probes, allowing to visualize pancreas, gall bladder and liver.



Multi Modality Biopsy Phantom

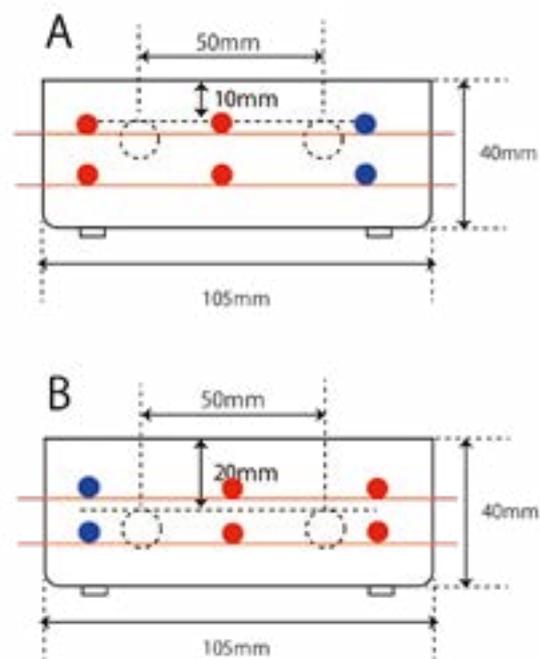
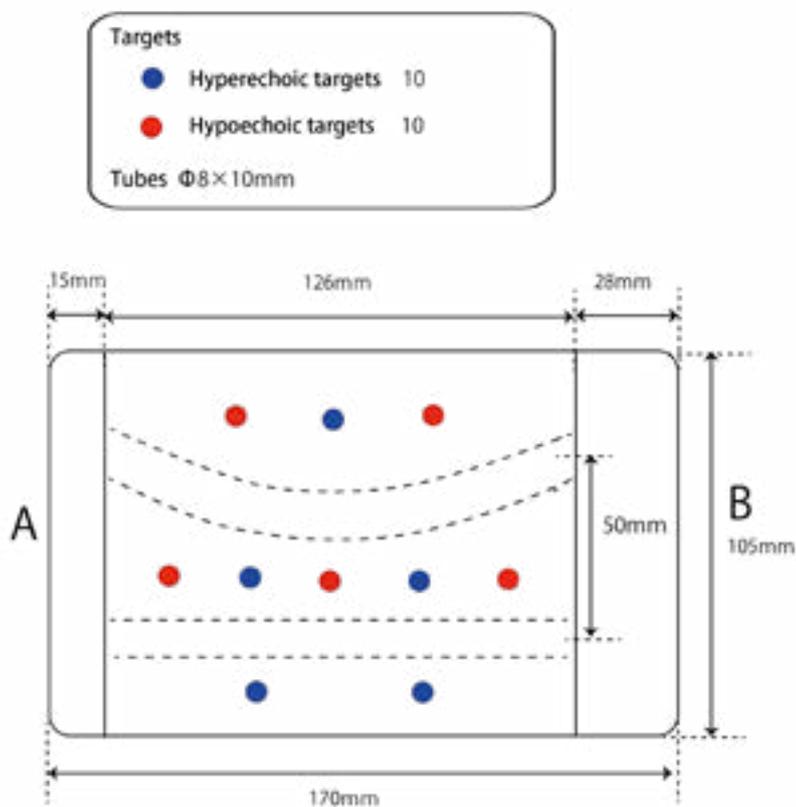
Compatible with ultrasound and CT.
Can also be used for Mammography.



Ultrasound training block

Vascular access differentiation of hyperechoic targets, hypoechoic targets and biopsy can be trained.

Dimension of Custom order Ultrasound Training Block (11347-210)





**Kyoto Kagaku Co., Ltd
Head Office and Factories**

15 Kitane-koya-cho, Fushimi-ku,
Kyoto, 612-8388, Japan

Kyoto Kagaku Co., Ltd Tokyo Branch

Second fl. NREG Hongo-3-chome bldg., 3-26-6
Hongo, Bunkyo-ku, Tokyo 113-0033, Japan

Kyoto Kagaku Co., Ltd Sendai Branch

6th. Taiyoseimei Sendaihoncho bldg., 4-18 Honcho-3-chome,
Aoba-ku, Sendai City, Miyagi 980-0014, Japan



**Kyoto Kagaku Co., Ltd.
Hong Kong Representative Office**

Level 23, One Island East,
18 Westlands Road, Island
East, Hong Kong



**Kyoto Kagaku Co., Ltd.
European Representative Office**

Frankfurt, Germany



Kyoto Kagaku America Inc.

Torrance, CA, USA

Welcome to visit our homepage !

<https://www.kyotokagaku.com/en/>



Follow us on our Facebook
<https://www.facebook.com/KyotoKagaku>



Follow us on our YouTube Channel
<https://www.youtube.com/user/KyotoKagaku>



Kyoto Kagaku NEWS

Discover latest on simulation in healthcare, hands-on skills training, medical imaging phantoms!

↓↓ Send us an e-mail to ↓↓
✉ rw-kyoto@kyotokagaku.co.jp
to subscribe.



KYOTO KAGAKU co.,LTD



<https://www.kyotokagaku.com/en/>



rw-kyoto@kyotokagaku.co.jp

Worldwide Inquires and Ordering Head Office and Factories

15 KitaneKoya-cho, Fushimi-ku,
Kyoto, 612-8388, Japan

☎ +81-75-605-2510

📠 +81-75-605-2519

Kyoto Kagaku Co., Ltd. Hong Kong Representative Office

Level 23, One Island East,
18 Westlands Road, Island East, Hong Kong

☎ +852-3978-1365 📠 +852-3978-1199

Kyoto Kagaku Co., Ltd. European Representative Office

Frankfurt, Germany



All American regions
KYOTOKAGAKU AMERICA INC.



<http://www.kkamerica-inc.com/>



info@kkamerica-inc.com

Torrance, CA, USA