Ultrasound Examination Training Phantom "ABDFAN"

Ultrasound Examination Training Phantom "ECHOZY"

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

ABDFAN Simulated lesions embedded as targets provide wider educational opportunities.

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

ECHOZY Ultrasound Training Phantom with no pathology

Production supervision:
Dr. Hitoshi Asai, Director
Osaka Kyoiku University, Health Administration Center

Dr. Shigeru Nakamura
Nagayoshi General Hospital, Clinical Examination Department

Features

A practical unit for all skill levels from introductory training to demonstration by experts.

Any ultrasound device with a convex probe can be used for the phantom.

Detailed hepatobiliary, pancreatic and other abdominal anatomy meeting requirements for excellent training; eight Couinaud's hepatic segments can be localized.

Various simulated lesions including biliary stones and cysts, solid tumors (hypoechoic, hyperechoic and target-appearance) in the liver, pancreas, spleen and kidneys.

Near real-size organs, structures and abnormal lesions.

Durable long-life phantom materials.

Training Skills

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

Anatomies

the 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, etc.)

It allows to scan from all directions with any manufacturer's transducer.

Fully three dimensional approach
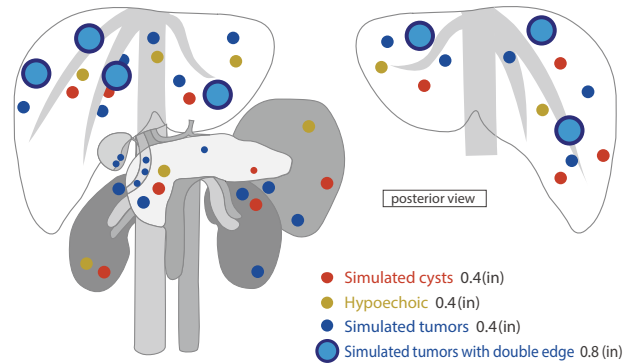
Midsagittal Plane

Costal Interspace Section

Approachable from All Surface

Pathologies   *ABDFAN only

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.

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

posterior view

● Simulated cysts 0.4(in)
● Hypoechoic 0.4(in)
● Simulated tumors 0.4(in)
◉ Simulated tumors with double edge 0.8 (in)

Hyperechoic, Anechoic Targets

Hypoechoic Targets

Gallstone

Pancreas

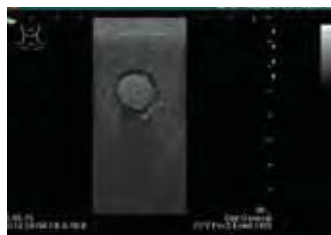Double, Hypoechoic Targets

Double, Hyperechoic Targets

Pancreas

Pancreas

Hyperechoic, Anechoic Targets

Double Targets

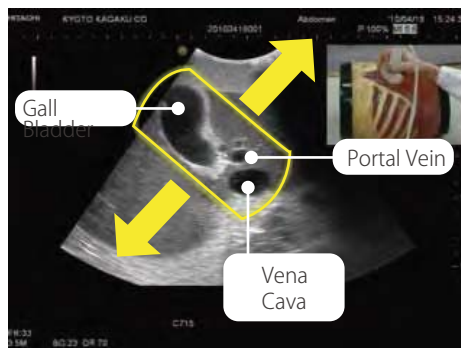Liver, Hepatic Vein

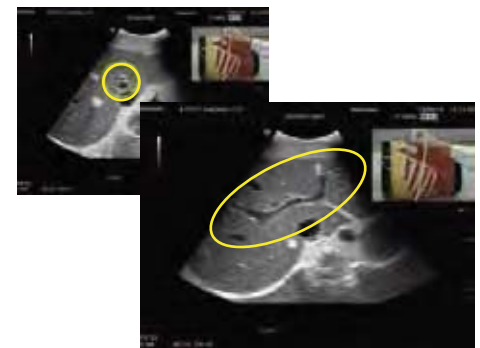Liver, Portal Vein

Tutorial Manual (DVD)

Gall Bladder

· Measure the size

Hepatic Vein System

Vena Cava

· Hepatic veins run between the segments.
· Hepatic veins have thin wall.

Cantlie Line

Gall Bladder

Portal Vein

Vena Cava

Liver (Portal Vein)

M 98   **Internal Organ Anatomical Model** **"ECHO-ZOU"**

Separates into 20 parts:

1. Hepatic segment
2. Hepatic segment
3. Hepatic segment
4. Hepatic segment
5. Hepatic segment
6. Hepatic segment
7. Hepatic segment
8. Hepatic segment
9. Portal vein, Bile duct and Hepatic vein
10. Gallbladder
11. Pancreas
12. Spleen
13. Right kidney
14. Left kidney
15. Abdominal aorta
16. Inferior vena cava
17. Hepatic veins
18. Spinal column
19. Stomach
20. Large intestine, Small intestine

Ultrasound Examination Training Model

Specifications

*please quote the eight digit product number when you place orders.

US-1B	41900-030	**"ABDFAN"**
Set Includes : 1 ultrasound phantom "ABDFAN" 1 set of positioning pillows 1 tutorial manual (DVD) 1 carrying case phantom size: approx. 18 x 25 x 28 cm, 12kg approx. 7.2 x 10 x 11.2 (in), 26.4 (lbs) packing size: approx. 30 x 70 x 50 cm, 17kg approx.12 x 28 x 20 (in), 37.4 (lbs)		

US-1B	41900-100	**"ABDFAN" Full Set**

Set Includes :
1 ultrasound phantom "ABDFAN"
1 anatomical model "ECHO-ZOU"
1 set of positioning pillows
1 tutorial manual (DVD)
1 carrying case
 	
phantom size: approx. 18 x 25 x 28 cm, 12 kg
                    approx. 7.2 x 10 x 11.2 (in), 26.4 (lbs)
ECHO-ZOU size: approx. 16 x 23 x 16 cm, 2.9 kg
                    approx. 6.4 x 9.2 x 6.4 (in), 6.4 (lbs)
packing size: approx. 30 x 70 x 50 cm, 20 kg
                    approx. 12 x 28 x 20 (in), 44 (lbs)		

US-1	41900-010	**"ECHOZY"**
Set Includes : 1 ultrasound phantom "ECHOZY" 1 set of positioning pillows 1 carrying case phantom size: approx. 18 x 25 x 287cm, 12kg approx. 7.2 x 10 x 11.2 (in), 26.4 (lbs) packing size: approx. 30 x 70 x 50 cm, 17 kg approx. 12 x 28 x 20 (in), 37.4 (lbs)		

US-1	41900-000	**"ECHOZY" Full Set**

Set Includes :
1 ultrasound phantom "ECHOZY"
1 anatomical model "ECHO-ZOU"
1 set of positioning pillows
1 carrying case
phantom size: approx. 18 x 25 x 28 cm, 12kg
                    approx. 7.2 x 10 x 11.2 (in), 26.4 (lbs)
ECHO-ZOU size: approx. 16 x 23 x 16 cm, 2.9kg
                    approx. 6.4 x 9.2 x 6.4 (in), 6.4 (lbs)
packing size: approx. 30 x 70 x 50 cm, 20kg
                    approx. 12 x 28 x 20 (in), 44 (lbs)		

Materials:
ultrasound phantom: Urethane elastomer