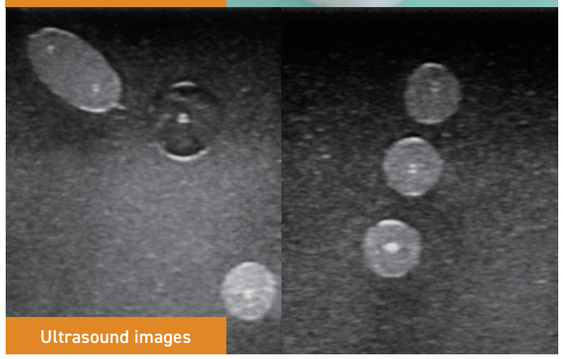
Nerve blocks model

Product introduction video

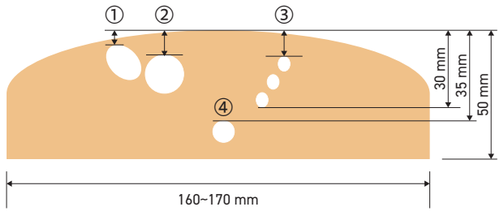
https://youtu.be/wtgad5Ssxgw

Product exterior view



Ultrasound images

Product diagram /



Use of each part

For learning about femoral nerve blocks

① Nerve (oval): 15 mm long, 8 mm wide
② Blood vessel: 10 mm diameter

For learning about brachial plexus blocks

③ Nerves (three): 5-6 mm diameter, 5 mm intervals

For learning about deep blocks

④ Nerve (central): 8 mm diameter

Item name	Product number	Quantity
Nerve blocks model	AKS-AS5	1 (with container)

Supervision: Ōnishi Eiko, Anesthesiology, Tohoku University Hospital; CERCIT Co., Ltd.

Characteristics

- Skin model for puncture training for ultrasound-guided nerve blocks.
- Because it incorporates several artificial nerves, it enables training in various techniques. Therefore, it is suited for beginners in nerve blocks and intermediate users wishing to learn finer needle handling.
- The curved form imparts a probe operation sensation, similar to that of the human body. Further, it clearly confirms the state of the puncturing needle and nerves through ultrasound imagery.
- Probe operations, like parallel movement, inclination, and rotation, can provide an understanding of how the needle and nerves are visualized.

Usage examples Can be used for day-to-day training, hands-on seminars, equipment demonstrations, etc.

[Sales]

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WEBSITE

2023.08

Patent pending

US-Sensist

Ultrasound-guided puncture training models

- confirming the state of the puncturing needle or guide wire in the model
- no requirement of ultrasound gel, avoiding the trouble of applying and removing it
- appropriate level of elasticity, similar to a human body

CERCIT

[Joint Research]

Tohoku University Clinical Skills Laboratory
Aomori Prefectural Industrial Technology Research Center
Appeal Co., Ltd.

PRODUCT / 01

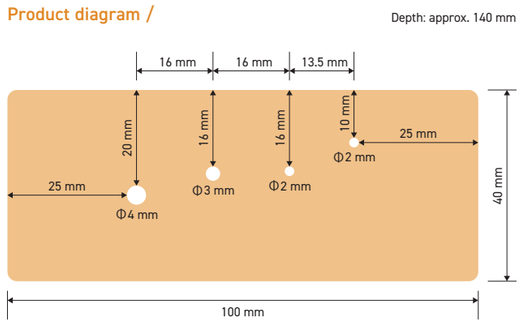
Vascular puncture model

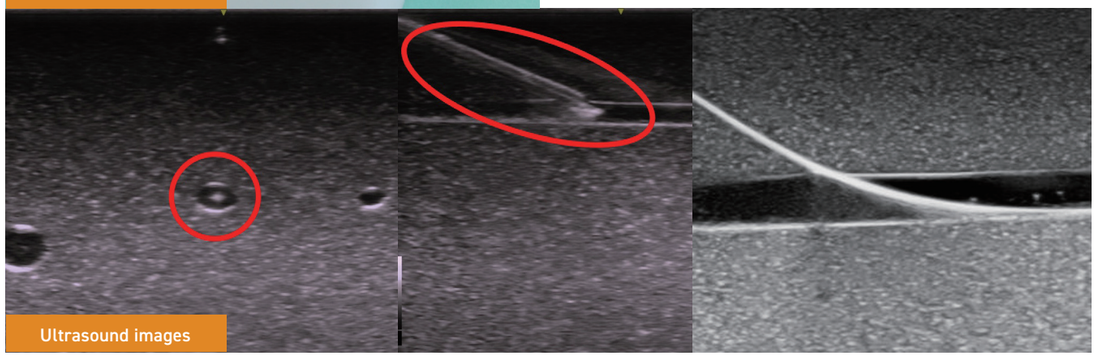
Product introduction video

https://www.youtube.com/watch?v=-QbjeFnu6t4

Product exterior view

Product diagram /





Ultrasound images

Item name	Product number	Quantity
Vascular puncture model	AKS-AS1	2 (with containers)

Supervision: Saijō Fumito, Patient Safety Management Office & General Surgery, Tohoku University Hospital

Characteristics

- Skin model for ultrasound-guided puncture training for central intravenous puncturing, etc.
- Includes four holes imitating blood vessels of differing thickness and depth.
- Can also be used to train in guide wire insertion.
- Training can be conducted as soon as the lid is opened. Once training is finished, just close the lid.

Usage examples

- Suited to prior practice before performing central intravenous puncturing.
- Does not take up much space, therefore it can be placed in the medical staff break room and used for training during free time.

PRODUCT / 02

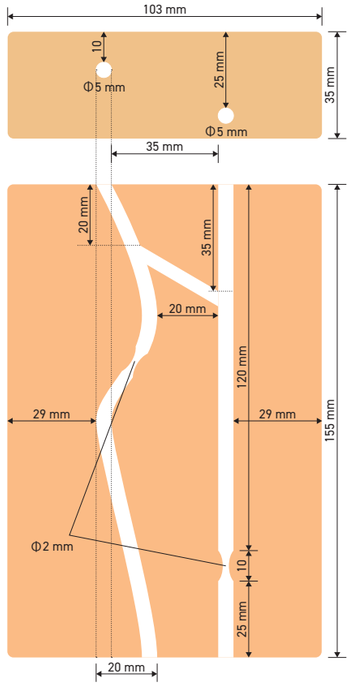
Shunt model

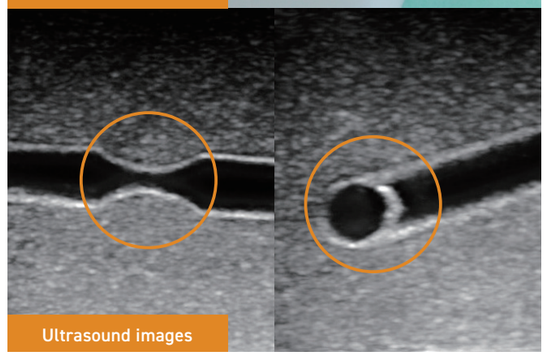
Product introduction video

https://www.youtube.com/watch?v=-QbjeFnu6t4

Product exterior view

Product diagram /





Ultrasound images

Item name	Product number	Quantity
Shunt model	AKS-AS4	2 (with containers)

Supervision & guidance: Ishioka Nobuki, director, Takagi Family Clinic

We believe that the objectives for beginners in shunt ultrasound are to clearly visualize the blood vessels of the target part and understand how they generally operate. To this end, we have artificially replicated simple, straight-line vessels, as well as elements like meandering, inclination, inosculation, and stenosis, for use when practicing with ultrasound. As people, who are confident in their visualizations, can use it conventionally as a model for ultrasound-guided puncturing, this model is aimed at beginners to intermediate users.

Characteristics

- Skin model for ultrasound-guided puncture training for shunt.
- Includes two holes imitating meandering, inclination, inosculation, and vascular stenosis.
- Training can commence as soon as the lid is opened. Once training is finished, just close the lid.

Usage examples

- This can be used to educate clinical engineers, etc., as well as physicians.