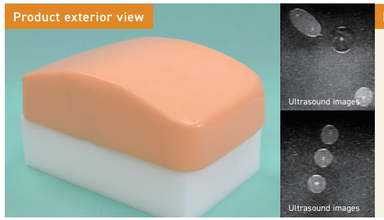
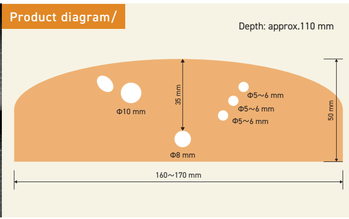
03 Nerve Block Training Model

Product number AKS-AS5　　Quantity 5 units (with containers)

Product exterior view



Product diagram/



Characteristics

- Training model for ultrasound-guided nerve block puncture.
- Multiple simulated nerves are embedded, allowing practice of various techniques.
- Suitable for beginners learning nerve blocks and intermediate users developing fine needle control.
- The curved shape provides a probe-handling experience similar to scanning the human body.
- The relationship between the needle and nerves can be clearly visualized under ultrasound.
- Probe movements such as sliding, tilting, and rotation help users understand how the needle and nerves appear on ultrasound.

Usage Examples

- Suitable for daily training, hands-on seminars, and equipment demonstrations.

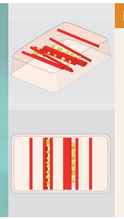
Product introduction video

YouTube

04 Advanced Nerve Block Training Model

Product number AKS-AS10　　Quantity 5 units (with containers)

Product exterior view



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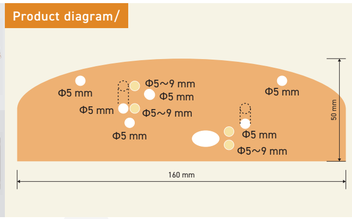

Characteristics

- Advanced training model for ultrasound-guided nerve block puncture.
- Small discrete simulated nerves are embedded, so even slight probe movement can cause the target to disappear from view.
- Enables training in stable probe handling and reliable needle visualization.

Usage Examples

- Suitable for advanced training, hands-on seminars, and equipment demonstrations.

Supervision: Takuya Mashima, Assistant Professor, Department of Anesthesiology, Tohoku University Hospital

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2026.07

Patent No.7343109

US-Sensist

Ultrasound-Guided Puncture Training Models

FEATURES

Internal structures are designed under the supervision of medical specialists.

Provides a realistic needle insertion feel, resistance, and elasticity similar to human tissue.

Durable enough for repeated hands-on training.

No ultrasound gel required, reducing the need for application and cleanup.

Vessels, needles, and guidewires can be clearly visualized under ultrasound.

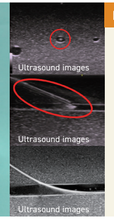
CERCIT

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

01 Vascular Puncture Training Model

Product number AKS-AS1 Quantity 5 units (with containers)

Product exterior view



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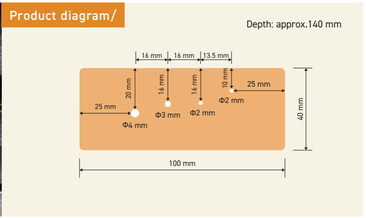


Characteristics

- Training model for ultrasound-guided puncture procedures, including central venous puncture.
- Includes four simulated vessels with different diameters and depths.
- Can also be used for guidewire insertion training.
- Training can begin simply by opening the lid. After training, close the lid for easy storage.

Usage Examples

- Suitable for pre-procedure practice before central venous puncture.
- Compact enough to be placed in a staff room or training area for practice during short breaks.

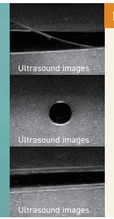
Product introduction video — YouTube

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

02 Vascular Cannulation Training Model

Product number AKS-AS7 Quantity 5 units (with containers)

Product exterior view



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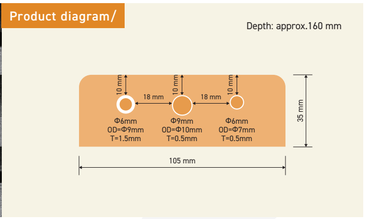


Characteristics

- Training model for ultrasound-guided central venous and arterial puncture.
- Built-in vessel structures provide a more realistic puncture sensation than conventional models.
- Can also be used for guidewire insertion and cannulation training.

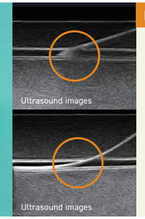
Usage Examples

- Suitable for pre-procedure practice before central venous puncture, arterial puncture, and cannulation.

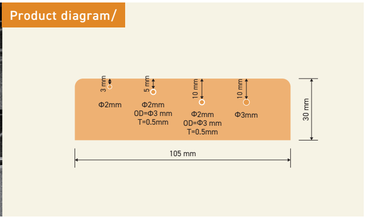
05 Peripheral Vascular Access Training Model

Product number AKS-AS9 Quantity 5 units (with containers)

Product exterior view



Product diagram/



Characteristics

- Training model for ultrasound-guided peripheral vascular access.
- Includes four simulated vessel routes, with built-in vessel structures in the two central routes.
- Replicates a puncture sensation close to that of real blood vessels.

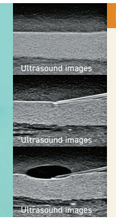
Usage Examples

- Can be used for guidewire insertion training.
- Also suitable for nurses practicing ultrasound-guided peripheral venous access.

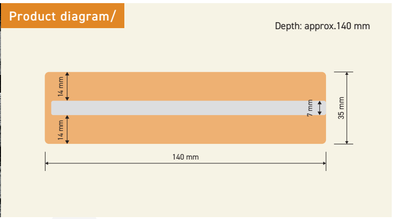
06 Fascial Plane Block Training Model

Product number AKS-AS6 Quantity 5 units (with containers)

Product exterior view



Product diagram/



Characteristics

- Training model for ultrasound-guided fascial plane block.
- Simulates fascial planes by layering materials with different levels of firmness.
- Provides the sensation of penetrating fascia and allows fluid injection between layers.
- Also effective for catheter placement training.

Usage Examples

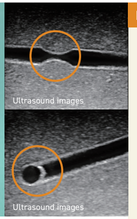
- Suitable not only for fascial plane block training, but also for beginners learning ultrasound-guided needle insertion.
- Remove the model from the container and place it on the dedicated stand for training. No ultrasound gel is required.

Product introduction video — YouTube

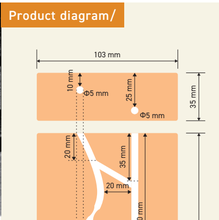
07 Dialysis Shunt Puncture Training Model

Product number AKS-AS4 Quantity 5 units (with containers)

Product exterior view



Product diagram/



Characteristics

- Training model for ultrasound-guided puncture of dialysis access.
- Includes two simulated vessel routes representing tortuous, angled, branching, and stenotic vessel patterns.
- Training can begin simply by opening the lid. After training, close the lid for easy storage.
- Suitable for training physicians, clinical engineers, and other healthcare professionals.

Usage Examples

- Suitable for dialysis access puncture practice, hands-on seminars, and equipment demonstrations.

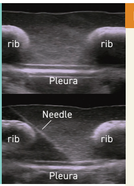
Product introduction video — YouTube

Supervision and Guidance: Nobuki Ishioka, Director, Takagi Family Clinic

08 Thoracentesis Training Model

Product number AKS-AS8 Quantity 5 units (with containers)

Product exterior view



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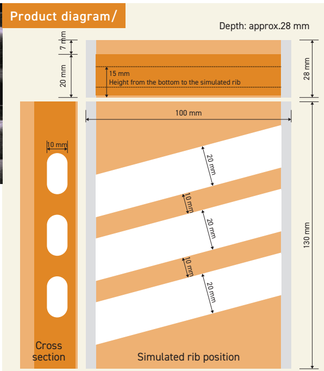

Characteristics

- Training model for thoracentesis and chest tube insertion.
- Composed of layers that simulate ribs, skin, soft tissue, and pleura with different levels of firmness.
- Allows users to experience advancing along the superior border of the rib and penetrating the pleura.
- Compatible with ultrasound-guided thoracentesis.
- The pleural layer is made of a soft material that can be penetrated easily, supporting realistic training.

Usage Examples

- Suitable for pre-procedure practice before thoracentesis and chest tube insertion.
- The model can be removed from the container, placed upright, and used for training.