MW4 Ultrasound-Guided Thoracentesis Simulator

MW4A Ultrasound-Guided Thoracentesis Simulator - Strap-on set -

Product Supervision

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Thoracentesis simulator both for table top and hybrid training session with patients.

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 SPs.

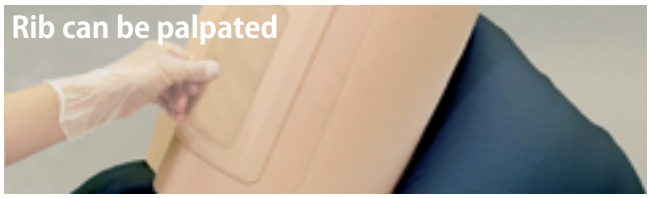
Features

1. Excellent ultrasound image
2. Ribs can be palpated.
3. Realistic needle-tip resistance and needle-penetrating feeling
4. Strap-on puncture units to learn patient positioning and face-to-face communication
5. Two sites for access:
   right mid-scapular line and left mid-axillary line
6. Volume of pleural effusion can be controlled to set different levels of challenges.
7. Body torso for one-man training. (Only for MW4)

Training Skills

- 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 the fluid

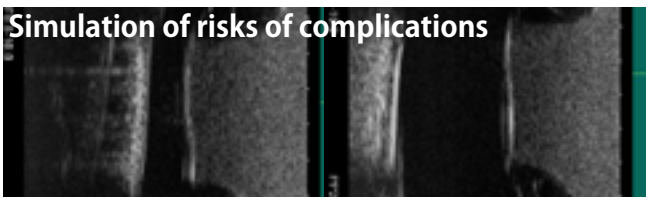
Anatomy includes: ribs, pleura, soft tissue and diaphragm



Mid-axillary line unit: 6-9th ribs
Mid-scapular line units: 8-11th ribs

Realistic needle-tip resistance and needle-penetrating feeling

Strap-on puncture units to learn patient positioning and face-to-face communication



Volume of pleural effusion can be controlled to set different levels to challenges

Explanation model to facilitate anatomical understanding

MW15 Ultrasound-Guided Pericardiocentesis Simulator

MW17 Ultrasound-Guided Thoracentesis / Pericardiocentesis Simulator

Training for safe 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. Puncture pad is durable and replaceable.
2. Landmarks for palpation and ultrasonic landmarks are prepared to practice the subxiphoid approach and the parasternal approach.
3. Realistic needle tip feeling when the needle pierces the “pericardial sac"

Training Skills

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

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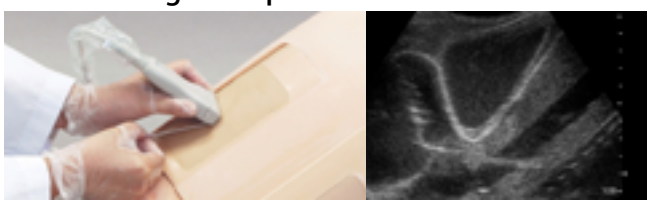
Landmark palpation

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

Ultrasound guided pericardiocentesis



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

Set includes list for MW4, MW15, MW17 and MW4A

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

* A ultrasound machine and needles are not included.