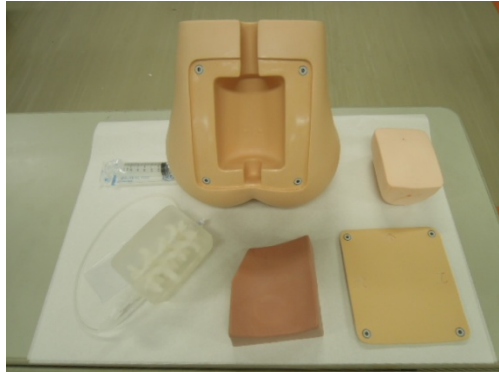


2014.04.30

# Lumbar Spine Fluoroscopy Training Phantom

Ver. 0.10

The following items are included in the set.



- 1 Torso manikin
- 1 Cement injection pad
- 1 Epidural anesthetic pad
- 1 Syringe
- 1 Skin cover
- 1 supporting mount
- 1 User manual

## Guidelines

### A. Cement injection

#### 1. Attaching the pad

Set the cement injection pad on the torso. Please be aware of the direction of the pad when attaching to the model.

#### 2. Setting the skin cover

To simulate a patient with high body mass or to conceal the location of the bones, we recommend utilizing the skin cover. Adjust the cover using the magnets as you set the skin layer on the body. To simulate either a patient with low body mass or to focus on the injection procedure itself, we recommend training without the skin cover.

#### 3. Body placement

To use the model on its side, place the torso on a supporting mount. To place the model upward, place a supporting mass such as a towel underneath the model for support.

#### 4. Procedural training

Each lumbar vertebrae allows 1 cement injection. A total of four injections are allowed for each pad, which includes 4 lumbar vertebrae. We recommend the use of a new cement injection pad for any more injections.

#### 5. Cleaning up

Remove the skin and pad from the torso and store away. In instances where the skin, pad or torso is in contact with water, wipe off with a cloth and dry completely. Please avoid direct sunlight or high temperatures when storing.

## B. Epidural anesthetic injection

### 1. Inserting water into the pad

Insert water into the syringe and twist onto the plug on the epidural anesthetic pad. Loosen the clamp on the other side of the plug, and slowly insert the water into the pad. Check that air is coming out of the opposite end. Once the water has reached the clamp, shut the clamp and remove the syringe.

### 2. Attaching the pad

Set the pad with water into the torso manikin. The pad should have a pouch to contain the anesthetic fluids. Place the pad into the manikin so that the pouch is facing upwards.

### 3. Setting the skin cover

To simulate a patient with high body mass or to conceal the location of the bones, we recommend utilizing the skin cover. Adjust the cover using the magnets as you set the skin layer on the body. To simulate either a patient with low body mass or to focus on the injection procedure itself, we recommend training without the skin cover.

### 4. Body placement

To use the model on its side, place the torso on a supporting mount. To place the model upward, place a supporting mass such as a towel underneath the model for support.

### 5. Procedural training

Once the anesthetic has been inserted correctly, the fluid will accumulate in the said pouch. If there are no fluids collecting in the pouch, there is a possibility that the injection has been done incorrectly. Although the pad will hold up to 20 to 30 punctures, we recommend the use of a new pad once the pad is ineffective.

### 6. Cleaning up

Remove the skin and pad from the torso. Attach an empty syringe to the pad. Open the clamp and pull the syringe to draw out the water inside of the pad. Once all of the water has been removed, close the clamp and remove the syringe. In instances where the skin, pad or torso is in contact with water, wipe off with a cloth and dry completely. Please avoid direct sunlight or high temperatures when storing.

## Caution

Please do not have ink or printed items in direct contact with the product.