

Femoral Access Simulator

Directions for Use



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helping save lives

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The Femoral Access Simulator (262-00001) is a lifelike manikin pelvis, which realistically simulates that of a patient. It is specifically designed for training professionals in the practice of accessing the femoral artery and vein.

The manufacturing excellence and ease of replacing the trainer individual parts should provide many years of training when reasonable care and maintenance is practiced.

Items Included:

- (1) Femoral Access Simulator
- (5) Syringes
- (3) IV Bags with Hoses and Clamps
- (1) Blue Blood Concentrate
- (1) Red Blood Concentrate
- (1) Manikin Lubricant
- (1) Carrying Case
- (1) Laerdal Global Warranty Booklet
- (1) Directions for Use

Features:

- Pubis
- Inguinal Ligament
- Anterior Superior Iliac Spine
- Palpable Arterial Pulse
- Realistic blue/red blood flashback

Skill Taught:

Femoral access procedures

Laerdal Recommends

In order to prolong the life of the skin and tubing, we recommend the use of a 21-gauge syringe or SMALLER even though you will use a 14 or 16 gauge syringe in the field.

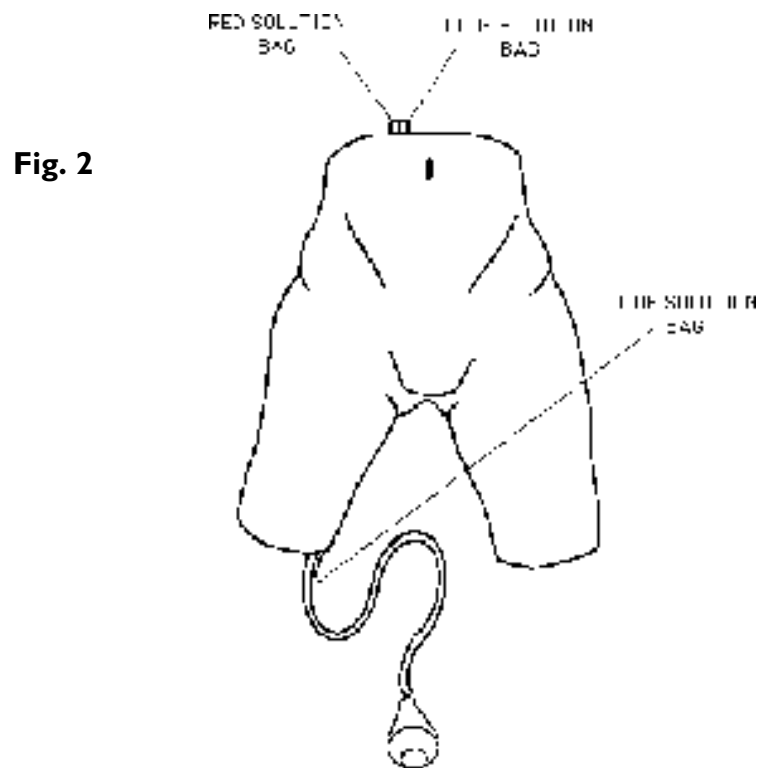
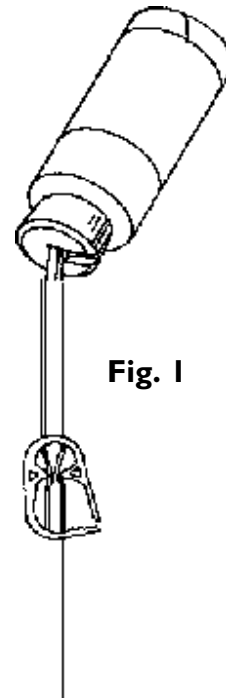
When using a cannula for catheterization, wet with a small amount of manikin lubricant or liquid soap for easier insertion

Do not remove the skin until you have the model over a sink. **The blood concentrate will stain clothes.**

Preparing simulator for use:

Attaching IV bag sets:

1. Attach flip top lids to blood concentrate bottles.
2. Open the valve clamp on the IV tube.
3. Squirt a small amount of blood concentrate, approximately 10 drops, into tubing. (Figure 1)
4. Apply blue blood concentrate to two IV bag sets, and red blood concentrate to the remaining IV bag set.
5. Fill each bag and hose with water
6. Close the valve clamps.
7. Attach the hose to the appropriate tube on the model. (Figure 2).



The blue filled set attaches to the femoral vein. The red filled set attaches to the femoral artery.

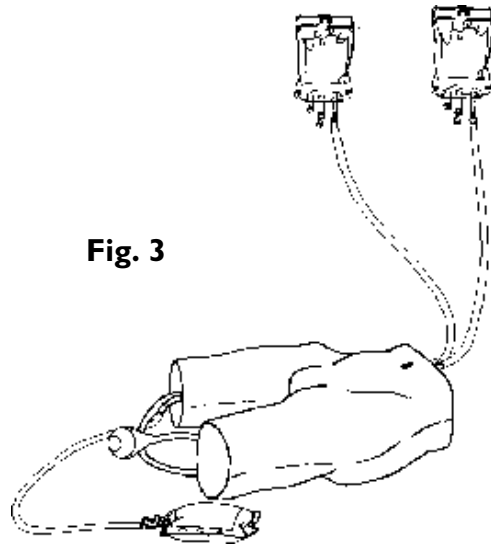
Femoral Artery:

1. Open the valve clamp on the red (arterial) IV bag set.
2. Wait for the fluid to flash out of the end of the tubing located at the base of the right thigh.
3. While squeezing the bulb, open the valve clamp on the bag, release the bulb, and close the valve clamp. This will force the residual air into the upper IV bag.

The squeeze bulb is your hand generator for femoral pulse.

Femoral Vein:

1. Open both venous valve clamps, squeezing the residual air into the upper IV bag.
2. Wait for fluid to flash out of the end of the tubing located at the top of the simulator.
3. Close both of the valve clamps. (Figure 3)



Repair and Replacement:

Replacing the tubing

1. Drain all fluids from the simulated femoral artery and vein over a sink.
2. Disconnect all IV bag sets and syringe bulb, and close valve clamps.
3. Detach the Velcro® on the skin from the Velcro® on the mandrel.
4. Remove the skin from the mandrel. (Figure 4)

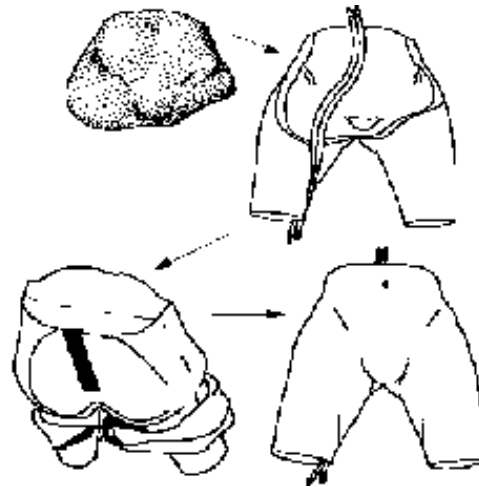


Fig. 4

5. Remove the foam insert and used tubing. NOTE: The tubing is glued in place.
6. Tack glue new tubes into the tracks with adhesive. (Figure 5)

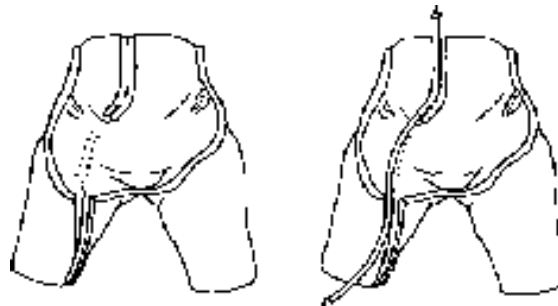


Fig. 5

7. Replace the foam.
8. Replace the skin and secure Velcro® to the mandrel.
NOTE: To assist you in replacing the skin, we recommend the use of talcum powder.
9. Dust the inside of the skin lightly and slide onto the mandrel.

Care and Maintenance:

1. Clean with mild soap and water; do not submerge manikin/module or parts in cleaning fluids or water.
2. Use only on clean surface. Avoid felt tipped markers, ink pens, acetone, iodine or other staining products and avoid placing the module/manikin on newspaper or inked lines of any kind.
3. To ensure longevity, each manikin and module should be cleaned after each training session and a general inspection should be conducted regularly.
4. Modules and all other parts should be drained and air-dried thoroughly before storage and disinfected when needed. After use of injection pads (*use water only*), accumulated water should be squeezed out.
Do not store wet foam pads in the skin. To prevent mildew or mold, pads can be soaked in a mild solution of disinfectant and water or bleach and water. Squeeze excess solution from pads, allow them to dry, then store or reinsert in manikin.
5. Articulating parts will benefit from a light application of talcum powder prior to training sessions.
6. Store properly between teaching sessions.



Cautions and Warnings

This product contains **Natural Rubber** latex which may cause allergic reactions when in contact with humans.

Replacement Parts:

<u>Part Number:</u>	<u>Description:</u>
262-00650	Mandrel, Femoral Access
262-00250	Skin, Femoral Access
262-00750	Insert, Foam
262-00450	Artery Assembly, Femoral Access
262-00350	Vein Assembly, Femoral Access
262-00550	Solution Bag
300-00750	Simulated Blood, Concentrate 4oz Red
262-00150	Simulated Blood, Concentrate 4oz Blue
255-00350	Red Bulb Assembly
276-00150	Carry Case-Soft Pack
300-00650	Manikin Lubricant

Please contact Customer Service Representatives for more information on Replacement Parts in other skin tones.

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