

TPN Patient Care Training Simulator

Instruction Manual

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This simulator facilitates understanding of Central venous catheterization, and provides training in the proper care of patients receiving total parenteral nutrition. The trainee can practice bandaging procedures for the catheter inserted area, changing of dressing films and the skin sterilizing procedure. It is also an effective model for patient education. The right upper breast, right half of the neck and the heart are transparent models that show the anatomical structure of the clavicle, the sternum, the ribs, the veins, the arteries, the heart and the upper lung, providing the trainee a clear anatomical understanding and allowing them to directly observe how the CVC runs in the chest.

Features

Life-size transparent anatomical model implanted in a male breast manikin, shows the bones, the veins, the arteries, the heart and the upper lung.

The size, shape and the anatomical structure are accurate and provide a clear and direct three dimensional understanding.

The catheter(s) inserted by three routes can be observed through the transparent models.

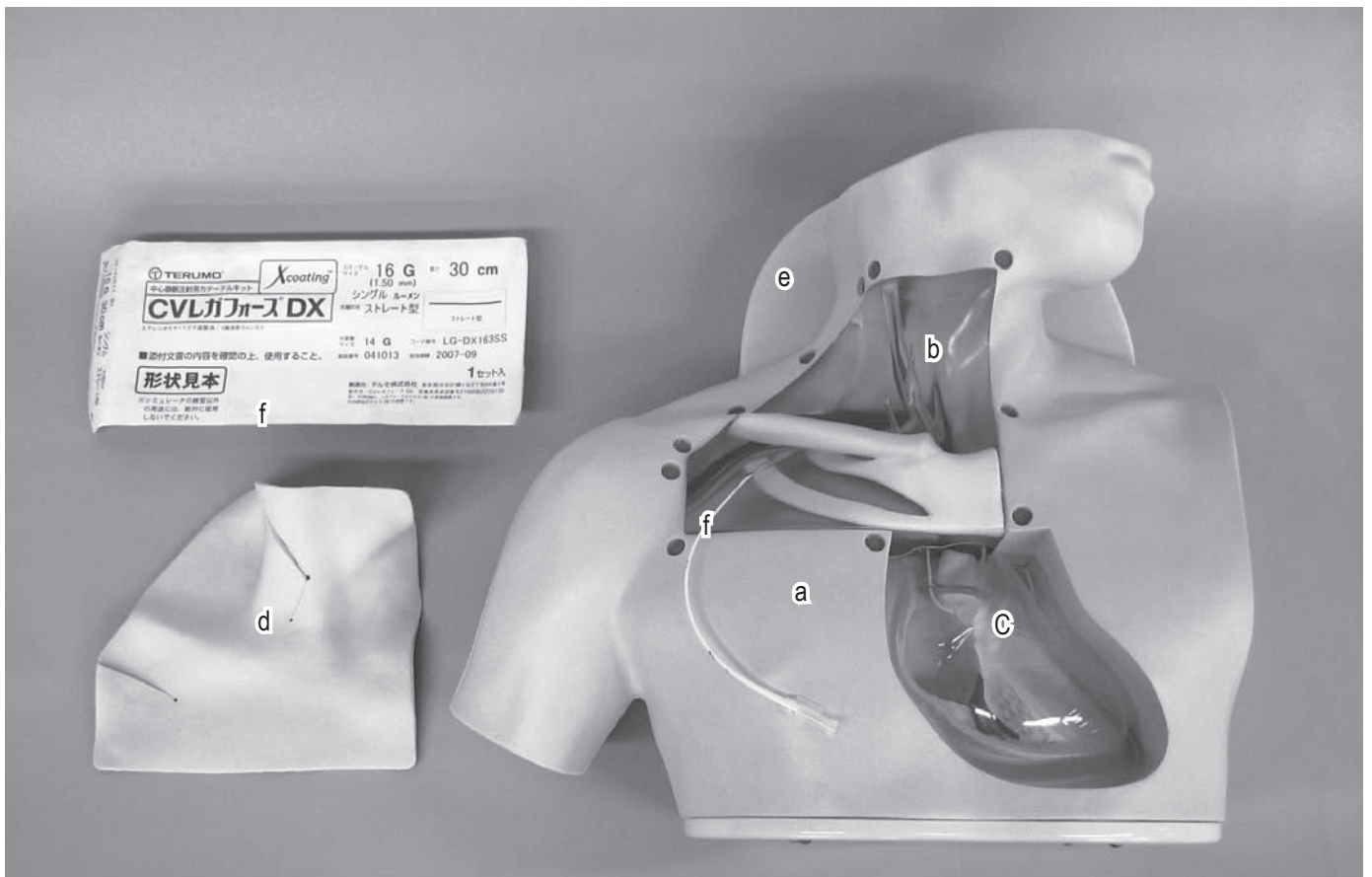
The surface of covering skin on the right upper chest allows to be pasted with bandages.

The heart model can be opened up to facilitate understanding of exactly where the tricuspid valve, which marked in red, is.

The simulator is designed for training in CVC insertion site maintenance.

Do not use for improper purpose.

Set includes

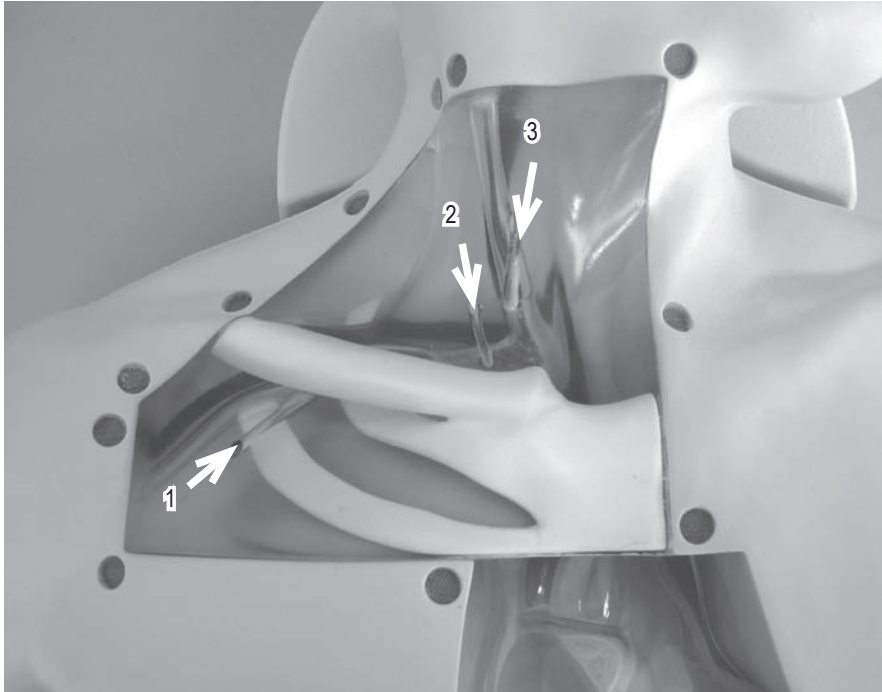


a. Male upper chest manikin-----	1
b. Transparent cannulation pad-----	1
c. Transparent heart cover-----	1
d. Skin sheet for cannulation training-----	1
e. Head supporter-----	1
m. CVC (central venous catheter set)-----	2

**one of the catheters comes inserted in the model **

While training

Three insertion sites are available for training.



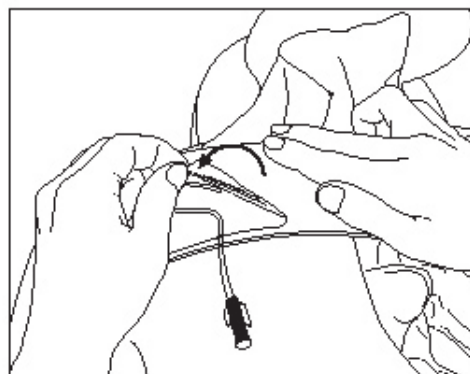
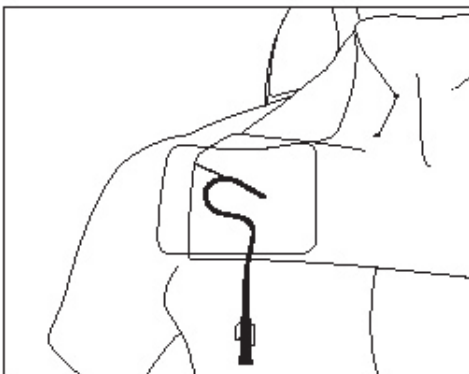
- 1) Subclavian vein
- 2) Supraclavicular approach
- 3) Internal jugular vein

Skin sheet can be put on and taken off from the torso by Velcro fastener.



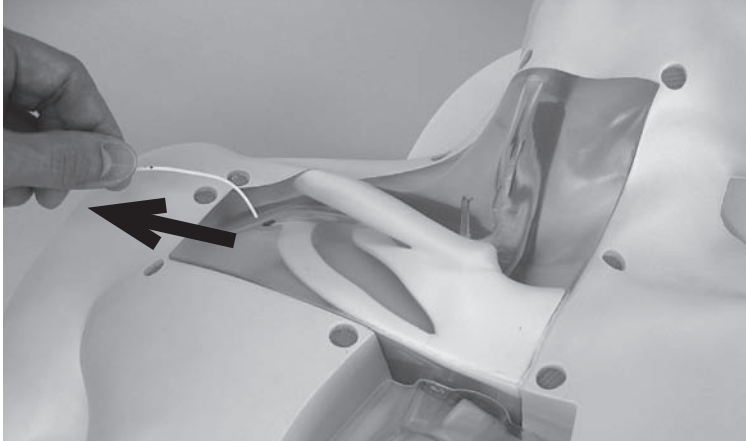
Caution: When you remove the skin sheet from the torso, please peel the skin sheet gently, unfastening one fastener at a time, or it might cause breakage.

Dressing practice

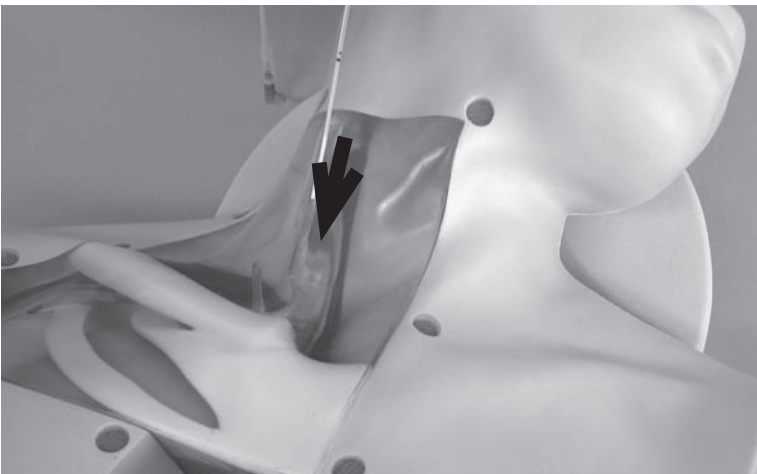


- 1) Clean the area by water and dry it before put a dressing.
- 2) Peel the dressing gently toward the outer side of the manikin, holding the skin sheet by the other hand.

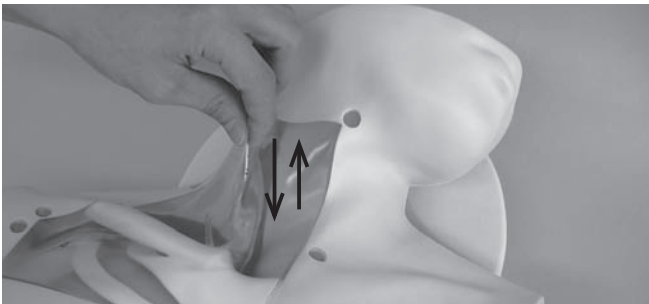
CVC insertion site (route) change



Withdraw the inserted catheter slowly from the manikin.

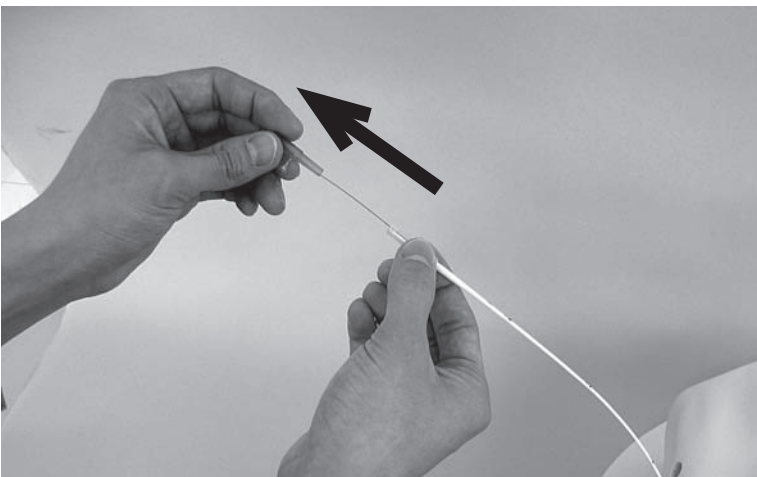


Insert a catheter with stiletto into another opening of CVC insertion site.



When the catheter does not go smoothly, withdraw it and try again.

To avoid breakage, please do not squeeze the catheter.



When the catheter tip is located properly, withdraw the stiletto before training.

DOs and DON'Ts

DOs

Please use the included CVC or thinner catheters.

Handle with care

The materials for the model are a special composition of resin. Please handle it with the utmost care at all times.

After training, wipe the model with wet cloth and dry it. Then powder the torso and the skin sheet with talcum powder. (Please note: To keep the transparency, please do not powder the transparent part).

Store the training set at room temperature, away from heat, moisture and direct sunlight.

DON'Ts

Never wipe the simulator by thinner or organic solvent.

Don't mark on the simulator and models with pen or leave any printed materials in contacted with their surface. Ink marks on the manikin will not be removable.

Don't use actual medicine or disinfectant for training with simulator. Please perform the training by using water.

Please do not try to make any puncture besides the prepared openings.



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