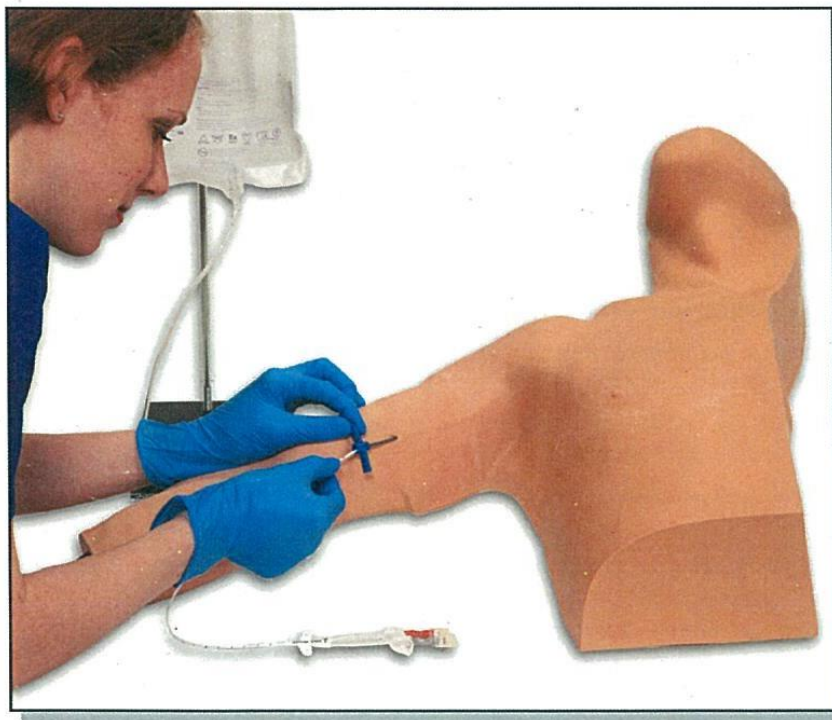


VATA

Anatomical Healthcare Models

0600 Peter PICC Line™

User Manual



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Thank You For Your Purchase!

Thank you for your purchase of **VATA's - 0600 Peter PICC Line™**

0600 Peter PICC Line™ allows the teaching, practice and assessment of placing PICC lines. This model has a replaceable translucent arm skin that allows the visualization of the underlying cephalic, basilic and median basilic veins which are presented as barely visible blue veins. The superior vena cava, subclavian, axillary and jugular veins are also present, plus a movable chin that simulates the occlusion of the jugular to prevent the PICC line from traveling this route. The model features palpable ribs, under a muscle tissue, for measuring catheter length. Proper placement can be confirmed by viewing the distal tip of the PICC in the viewable superior vena cava. Sterile technique can be taught as well as practiced. This is a great tool for teaching, training, competency testing and skills assessment! The following skills can be demonstrated on the model:

- Site selection
- Measurement of proper catheter length
- Site cleansing
- Set-up of sterile field
- Patient positioning
- Insertion of PICC Line
- Advancement of PICC Line
- Visual confirmation of proper catheter placement
- Catheter securing/dressing
- Catheter maintenance procedures

Features of 0600 Peter PICC Line™

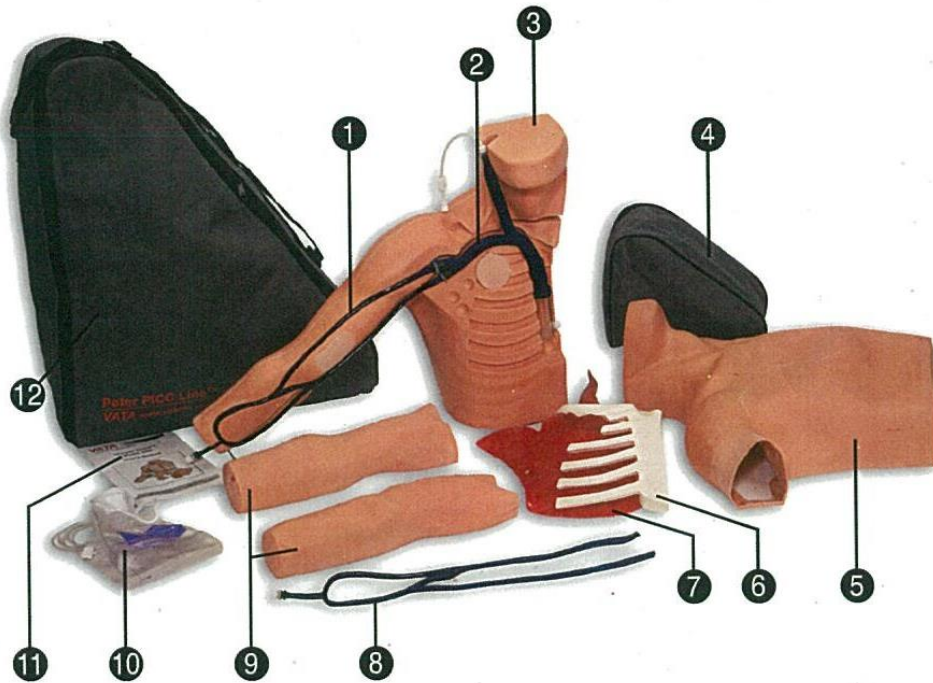
- Anatomically correct cephalic, basilic, median antecubital, jugular, subclavian veins and the superior vena cava with attached viewing vial
- Palpable clavicle, ribs and intercostal spaces, enabling the practice of measuring proper catheter length before insertion
- Moveable chin simulates the occlusion of the jugular vein to prevent the PICC Line from entering this vessel
- Translucent arm skin allows visualization of the blue colored cephalic, basilic, and median antecubital veins
- Easily replaceable translucent arm skin and underlying veins
- Lightweight and portable
- Carrying case with pouch for supplies

Please Note: This product has components made of natural rubber latex.

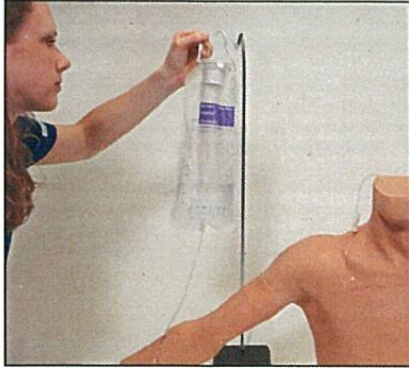


Product Components

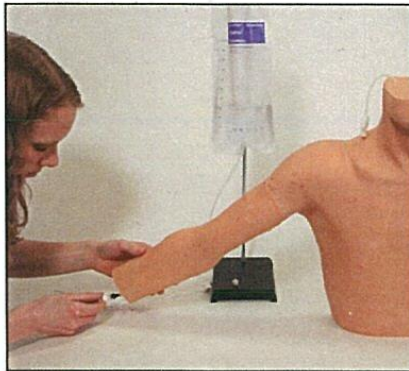
- ① Arm Vein Set - 0601
- ② Body Vein Set with attached viewing vial - 0602/0608
- ③ Body
- ④ Supplies Case
- ⑤ Body Skin - 0604
- ⑥ Ribs - 0606
- ⑦ Muscle Tissue - 0607
- ⑧ Replacement Arm Vein Set - 0601
- ⑨ Arms Skins x2 (contains natural rubber latex) - 0603
- ⑩ Large Reservoir Bag - 0611
- ⑪ User Manual
- ⑫ Carrying Case



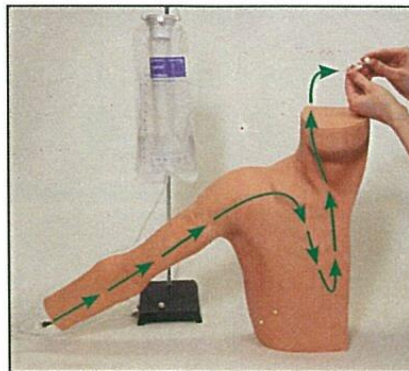
Set-up Instructions



1. Add 400cc of distilled water to the fluid bag and place on an IV stand or similar device. Some customers have reported that adding a couple drops of clear dish soap to the water helps with the advancement of the PICC. Confirm roller clamp is closed.



2. Place the model in an upright position, with the partial chin in a superior orientation. Remove the white cap on the arm vein tubing which exits at the distal end of the arm. Attach the fluid bag tubing set to the distal end of the arm vein and elevate the bottom of the fluid bag approximately 2" above the model.



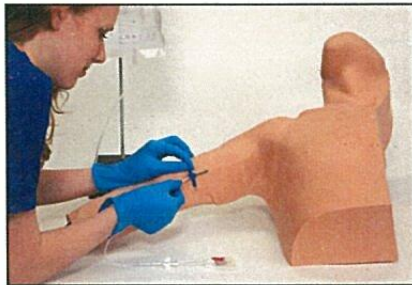
3. Remove the white cap and open the snap clamp on the short 6" piece of clear tubing that exits from the top of the chin, then partially open the roller clamp allowing fluid to slowly fill the model. **Caution: Filling too rapidly can trap air in the veins, making it difficult to advance the PICC.** As the fluid flows into the model, it will first fill the arm veins and then spill over to fill the viewing vial. Air will be vented via the clear tubing at the top of the neck.

Set-up Instructions, Cont.



4. When fluid fills the entire length of the clear tubing at the neck, close the snap clamp and re-attach the white cap. Place **Peter PICC Line™** in a supine position and hang the bottom of the fluid bag approximately 2" inches above the model.

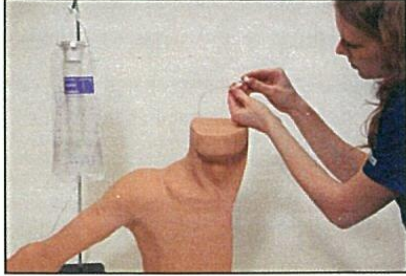
CAUTION: Due to the large size of the needles used in placing PICC Lines, do not hang the fluid bag higher than 2" inches above the model, as increasing the height will elevate the pressure in the veins, resulting in the increased possible leakage from the veins. Some leakage at the insertion site is normal.



5. Peter PICC Line™ is now ready to be used to practice placing PICC Lines.

*****Note:** Due to the softness of some catheters and the absence of blood flow in the model, it is best to leave the introducer in place while advancing the PICC line in **Peter PICC Line™**.

Storing Instructions



1. After use, drain the model by closing the roller clamp on the fluid bag and emptying the bag.
2. Place the distal end of the arm over a sink and disconnect the fluid bag tubing set from the end of the arm. Remove the white cap and open the snap clamp on the short 6" piece of clear tubing that exits from the top of the chin to begin draining.
3. Once the fluid has stopped draining, pick up the model and rock side to side, as shown, to insure all fluid has been removed. Let air-dry and then return to the case for storage.

Helpful Hints

- Use the recommended distilled water for priming the model. Using a synthetic blood will make it difficult to see the catheter tip in the SVC viewing vial.
- Drain fluid between uses and allow to air-dry before attaching end caps and storing.
- Do not clean the model with solvents or corrosives. Wash with a mild liquid soap and warm water.
- Do not leave dressings on the model overnight.
- To remove any residual adhesive left on the model, use any patient approved adhesive remover, followed by a cleaning with alcohol to remove any residue.
- Printed matter can permanently stain the model if prolonged contact occurs.
- Store the model in the case when not in use.

Trouble Shooting

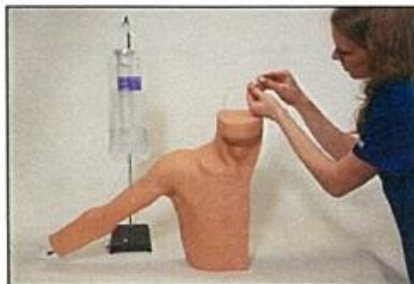


Challenge – Air in veins after priming with fluid - difficult to advance the PICC

- Model was not placed in an upright position when primed.
- Fluid was allowed to fill veins too quickly and trapped air.

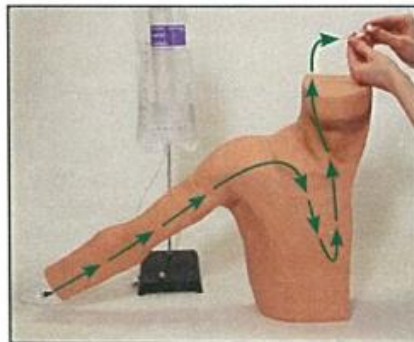
Solution

Close the snap clamp on the fluid bag and check that the snap clamp on the 6" clear tubing, exiting the top of the chin area of the model, is also closed. Place the model in an upright position. Grasp the model from the backside and slowly rotate clockwise until the clear viewing vial (SVC) is in a superior position. If air is present, it will be visible in the viewing vial when the vial is in a superior position.



Place the model in an upright position, with the partial chin in a superior orientation.

Remove the white cap and open the snap clamp on the 6" piece of clear tubing that exits from the top of the chin. Slowly open the roller clamp on the fluid bag. Any trapped air will be vented via the clear tubing at the top of the neck. When the trapped air is vented and fluid is observed in the clear tubing, close the snap clamp and replace the white cap.



Challenge – Fluid will not flow into the model

Solution

Check the clear tubing at the top of the neck to insure the snap clamp is opened and the white cap has been removed.

Check that the fluid bag tubing or the clear tubing exiting the neck is not pinched shut by the constant pressure of the roller clamp or snap clamp. Manipulate the tubing with fingers at pinch site to restore the tubing's opening. Occasionally move the clamps to a new position to minimize the chance of this recurring.

Trouble Shooting, Cont.

Challenge – Catheter tip does not appear in viewing window

Solution

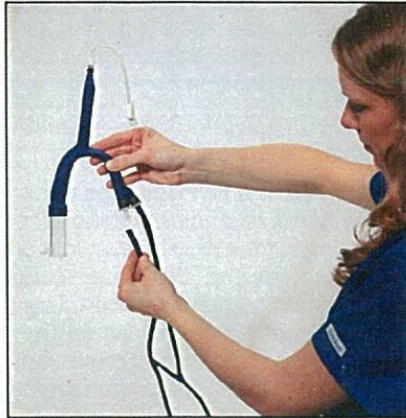
Chin was not turned and held in place and catheter traveled into the jugular vein. Remove PICC and repeat the procedure with chin turned.

Incorrect measurement of catheter length - remove PICC, re-measure, and repeat procedure

Challenge – Translucent Arm Skin does not fit properly

Solution

Check to make sure the hole at the distal end of the arm skin is orientated to line-up where the blue arm vein exits the arm.



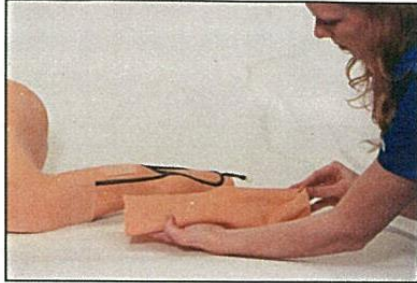
Challenge – Leaking of the vein tubing

Solution

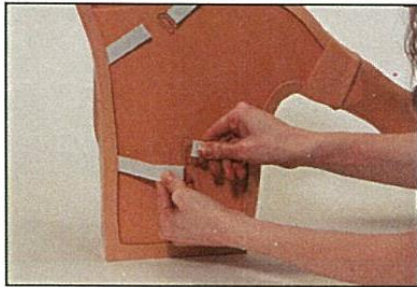
Check connection of the two arm vein tubings onto the burred connector. Push on more securely if needed.

Although the veins are made of a material that is self-sealing, the large size of the needles used in placing PICC Lines will cause some leaking. By moving the insertion site and not using burred needles, this leakage will be kept to a minimum. The arm vein tubing and the arm skin will need to be replaced periodically. Skin and vein sets are available through **VATA**. See 0600 Models & Parts on page 10.

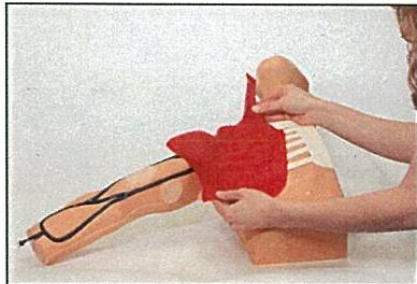
Replacing the Arm Skin & Veins



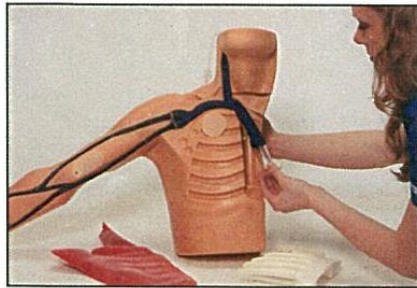
1. Remove the arm skin. You will need to gently pull the arm vein tubing through the arm skin to free the part.



2. Undo the elastic connectors on the backside of the body skin and remove it.

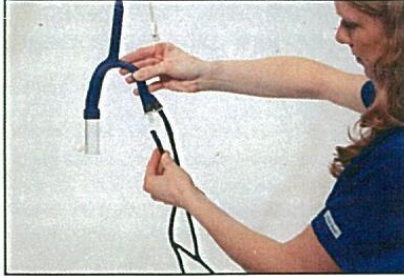


3. Remove the red muscle tissue and rib bones.

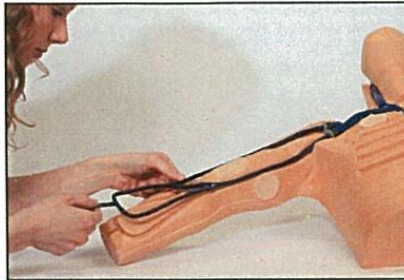


4. Remove arm veins and body veins.

Replacing the Arm Skin & Veins, Cont.



5. Remove the arm veins from the barbed connector and attach new arm vein set.



6. Place the arm vein and body veins into the "channels".
7. Reverse steps 1, 2, and 3.

0600 Models & Parts

The following items are available for purchase without returning your model. Additional replacement parts are available at www.vatainc.com.

<u>Product #</u>	<u>Description</u>
0600	Peter PICC Line™ Complete Model as Shown on Page 2
0601	Arm Vein Tubing (contains natural rubber latex)
0602	Body Vein Tubing (contains natural rubber latex)
0603	Arm Skin
0604	Body Skin
0606	Ribs
0607	Muscle Tissue
0608	Viewing Vial
0611	Large Reservoir Bag

Refurbishing Service

The purchase of training models is a significant financial investment. Realizing this, **VATA** is proud to offer a refurbishing service to bring your model to like-new condition. Please call **VATA Customer Service** for instructions on how to return your model. Once your model is received, it will be evaluated and you will be contacted to approve the cost of refurbishing before any work is performed. Turn-around time to complete a refurbishing is less than one week.