



### **Central Venous Access Quick Reference Guide**

The following offers a quick reference on how to get the most out of your central venous access ultrasound training model:

1. For optimal longevity, use 18 – 21 gauge sharp, unbent needles and associated guidewires and catheters
2. Do not nick or cut into the model with scalpels
3. Do not attempt to remove the ultrasound tissue insert from the model unless you are properly trained
4. Keep the vessels full of simulated blood
  - a. If you remove blood from the vessels, inject the fluid back into the appropriate vessel when you are done. Do not discard fluid unless it is purple caused by mixing of the venous and arterial fluid.
  - b. Do not inject arterial blood (red) into the venous system (blue) and vice versa
  - c. For constant blood refilling, connect an IV bag full of simulated venous blood (blue) to the luer lock at the back of the neck and hang 1 foot above the model during training
  - d. Use only Blue Phantom simulated blood refill solution to fill the vessels. Using other fluid can result in damage to the model, the vessels growing bacteria and fungus, and resistance to threading guidewires.
5. If you overfill the vessels with simulated blood this will result in dimples of blood appearing on the surface of the model requiring that you remove some of the fluid.
6. Do not inject air into the vessels for any reason.
7. Do not carry model by the refill tubes
8. Do not write on the model with a pen as it may become permanent