



CVC Chronicle



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Dear Stephanie,

Welcome to the first edition of the CVC Chronicle. This quarterly is intended to provide information and resources related to education in the field of central venous catheterization.

Reducing Risk: Central Venous Catheterization

According to a recent article published in *Critical Care Medicine*, over five million central venous catheterizations (CVCs) are performed in the United States each year. Of those, more than 15% experience one or more mechanical complication with arterial puncture, hematoma, and pneumothorax being most common. These complications are often attributed to several factors including lack of experience, knowledge of the catheter site, and attention to detail. (1)

The same article notes that clinicians who have placed more than 50 CVCs have less than half the complication rate of clinicians with less than 50 CVC attempts. (1)

Simulab Corporation offers two realistic CVC trainers to help clinicians gain valuable experience, improve performance, and potentially reduce mechanical complications: [CentraLineMan](#) and our newest product - [FemoraLineMan](#).

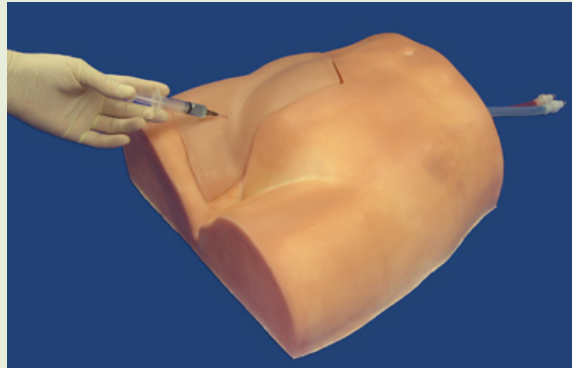
The American Surgeon recently published an article that used Simulab's CentraLineMan System to evaluate the impact on improvement of technical skill in CVCs. The study concluded that "the introduction of a simulation curriculum into the orientation to internship for surgical residents is useful and well regarded by the trainees. The residents did show improved performance on basic parameters such as the number of needlesticks needed to access the vessel during the simulated training session." (2)

CentraLineMan and FemoraLineMan CVC Training Systems provide ideal training platforms to address each of the contributing factors of complications before a trainee interacts with a patient.

If you would like to learn more about Vascular Access Trainers - **please contact our Customer Care Team today!**

1. Robert W. Taylor, MD, Ashok V. Palagiri, MD. Central Venous Catheterization. *Critical Care Medicine* 2007 Vol. 35, No. 5.
2. Rebecca C. Britt, MD, et al. Central Line Simulation: A New Training Algorithm. *The American Surgeon* July 2007.

Helpful Hint #1: Always Return Fluids to the Simulator

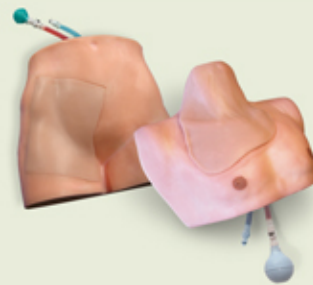


After each procedure with both the CentralLineMan System and the FemoraLineMan System, it is important to re-inject the simulated blood back into the vessel before pulling the needle out. If this is not done, it will cause low vessel pressure, making it difficult for the next user.

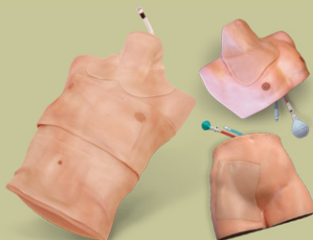
If the student removes the needle without returning the fluid and tries to reinsert it, it is important to ensure that correct vessel has been punctured. To do this, pull back slightly on the syringe plunger. If the fluid is a different color than the fluid already in the syringe, discard it. If this isn't done, the two colors of simulated blood could become intermixed and the next user will have difficulty determining if the procedure was completed correctly.

NEW! Central Vascular Trainers - Package Pricing

Simulab is pleased to offer 15% off when you purchase our Central Vascular Training Package. You will receive the CentralLineMan System and the FemoraLineMan System plus an additional replaceable tissue for each system. [Click here for details on this offer.](#)



Hurry! Orders have to be placed by March 31, 2008 to qualify for the discounted price. Visit our new [Online Storefront](#) or contact Simulab's Customer Care Team today!
sales@simulab.com 206-297-1260



Three System Package Price! Save \$\$ when you buy Simulab's Three System Package, which includes TraumaMan, CentralLineMan, and FemoraLineMan. Contact us today for details.