	Cincinnati Fire Department Fire Training Supplement DRILL BOOK	SECTION #6 EMS Equipment and Procedures
Date: January 2006	**TOPIC TITLE:**	**Total Pages: 2**
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TOPIC #6: Introcan® Safety™ I.V. Catheters

This safety angiocath features an automatic safety clip that cannot be bypassed since it is activated as the paramedic withdrawals the needle from the catheter.

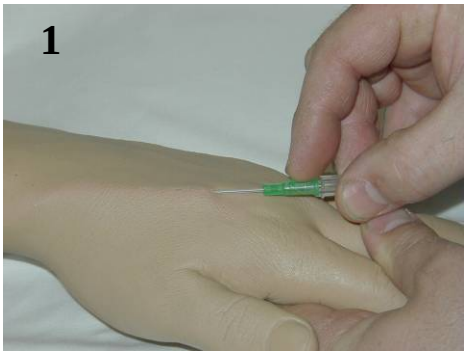
Size	Color	Length	Size	Color	Length
14 gauge	Orange	2”	20 gauge	Pink	1.25” or 1”
16 gauge	Gray	1.25”	22 gauge	Blue	1”
18 gauge	Green	1.25”	24 gauge	Yellow	0.75”

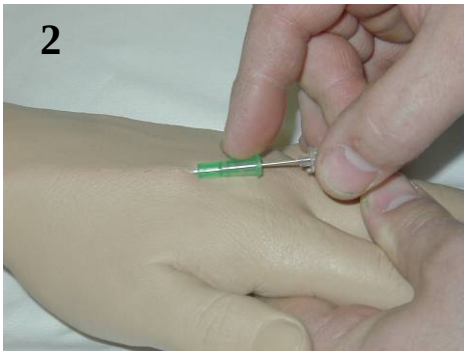
Step One:

a. Insert I.V. Catheter into appropriate vein with the bevel and push off plate on the catheter up.

b. Advance catheter off of the needle into the vein (as seen in picture #1) until the hub rests against the skin (as seen in picture #2).

c. As you are advancing the catheter you will experience a slight resistance as the catheter is advanced off the needle. This resistance is due to the safety clip sliding towards the end of the needle. (picture #2 and #3)





Step Two:

a. Occlude the vein proximal to the site of insertion. This is best done just at the point where the catheter ends within the vein. Press the vein firmly with your thumb against the muscle or bone to stop blood flow.

b. Place your index finger on the hub of the catheter resting against the flange to hold the catheter in place as you remove the needle. (picture #3)

c. As you withdrawal the needle from the catheter you will feel a slight “pop” as the needle passes the end of the hub. This “pop” is due to the safety clip locking into place. (picture #4)

d. Dispose of the needle into an approved SHARPS container and attach the appropriate IV tubing.

Alternative Method

This method can be utilized as an alternative method for occlusion of the vein, stabilization of the catheter, and removal of the needle.

Alternative Method

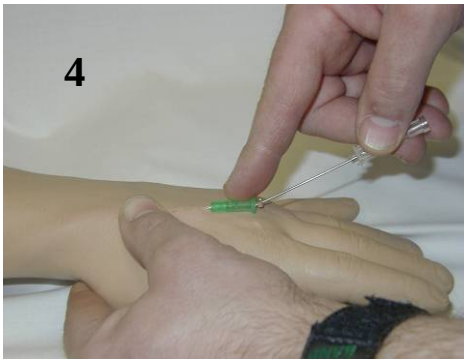
a. Follow *Step One* as described on the previous page

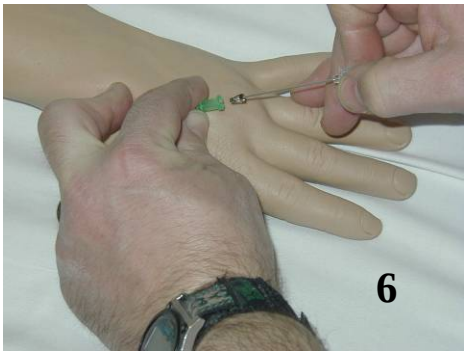
b. Occlude the vein proximal to the site of insertion. This is best done just at the point where the catheter ends within the vein. Press the vein firmly with your middle finger against the muscle or bone to stop blood flow.

c. Grasp the hub with your thumb and index finger as you occlude the vein with the middle finger of the same hand. (picture #5)

d. As you withdrawal the needle from the catheter you will feel a slight "pop" as the needle passes the end of the hub. This "pop" is due to the safety clip locking into place. (picture #6)

e. Dispose of the needle into an approved SHARPS container and attach the appropriate IV tubing.





NOTES:

1. It is imperative that each needle, regardless of the fact that a safety clip protects it. All sharps shall be disposed of immediately into the appropriate SHARPS container.

2. Training is essential to learn and improve upon these two techniques. If an IV arm or test subject is unavailable, utilize a piece of corrugated cardboard for practicing insertion, occlusion, securing of the hub, and needle removal