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This iteration may be secured to a wearer's arm through the use of an elastic, open ended sleeve (not shown). Two vascular simulation units would then be affixed, in opposing positions, to the outside of the sleeve. Just as with the prior embodiment, the user would utilize the upper vascular element **14** until such time that the tubing is compromised from repeated use. The wearer then simply rotates the sleeve and positions the fresh, previously un-used, second vascular simulation element **15** on top.

A third (or even fourth) vascular simulation element may also be added to this embodiment. As can be seen in FIG. **5**, a third element may be affixed to the underside of the upper vascular simulation element. In such a configuration, the metallic shield (not shown) would be inserted between the top lower element **16** and the bottom upper element **17** so as to protect the integrity of the wearer's arm as well as the bottom upper element **17** from unwanted perforation.

In use, following exhaustion of the top upper and bottom elements, the wearer would remove the sleeve, turn it inside out and then re-secure the sleeve to his or her arm, thus exposing the third vascular simulation element **18**, as can be seen in FIGS. **5** and **6**.

In addition, rather than use of an elastic sleeve, the outer edges of the top and bottom vascular simulation units **14**, **15** could be connected by an elastic material **19**. In such a configuration, the wearer's upper arm would be in contact with the inside surface **16** of the upper vascular simulation element **14** and the wearer's elbow and the underside of his or her arm would be in contact with the inside surface **17** of the lower vascular simulation element **15**.

It will also be recognized that although the embodiments set forth herein all possess tubing that simulates what would be termed as the major veins of the human body in the hand and arm, respectively, the network of tubing could be supplemented or revised so as to incorporate additional tubing of varying diameter. By further adding tubing in conjunction with one or more fluid sources, the devices could be made to simulate both major and minor arteries and veins in each respective location.

It will further be recognized that by alteration of the positioning of the mounting member **1**, as well as varying the thickness of the simulated skin and tubing, the device may be used to demonstrate and practice effective techniques involving all types of needle insertions, including insertion of an intravenous port.

The device, in either embodiment, could also be used for other purposes. For instance, the network of tubing could be filled with water, frozen and then applied to a patient's hand or arm, creating a self-secured ice pack. Conversely, the sleeve could be used to secure a heating pad to the arm of a patient. In short, the device may serve additional functions beyond its role as a training aid.

While the invention has been described in reference to certain preferred embodiments, it will be readily apparent to one of ordinary skill in the art that certain modifications or variations may be made to the system without departing from the scope of invention claimed below and described in the foregoing specification.

The invention claimed is:

1. A phlebotomy training device comprising:
 - a glove;
 - a length of tubing secured to one side of said glove wherein said tubing is sealed at one end;
 - a source of fluid in sealable communication with the unsealed end of said length of tubing; and
 - a removable penetrable covering on top of said network of tubing.

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2. The phlebotomy training device as in claim **1** further comprising a protective sheath interposed between said length of tubing and the hand of a wearer.

3. The phlebotomy training device as in claim **2** wherein said protective sheath is composed of impenetrable material.

4. The phlebotomy training device as in claim **3** wherein said protective sheath is composed of metal.

5. The phlebotomy training device as in claim **1** wherein said glove is a reversible glove that may be worn on either hand of a wearer.

6. The phlebotomy training device as in claims **1**, **2**, **3**, **4**, or **5** wherein said source of fluid further comprises a syringe.

7. A medical training device comprising:

a glove, said glove further comprising a first side and a second side;

a network of rubber tubing attached to said first side of said glove;

a second network of rubber tubing attached to said second side of said glove;

a fluid source in communication with the said first network of tubing when said first network of tubing is anatomically proximal to the dorsal aspect of the hand of the wearer; and

a fluid source in communication with the said second network of tubing when said second network of tubing is anatomically proximal to the dorsal aspect of the hand of the wearer.

8. A medical training device comprising:

a first simulation element comprising an upper portion, a lower portion and a network of resealable tubing wherein said network of tubing is affixed between said upper portion and said lower portion;

a second simulation element comprising a second simulation upper portion, a second simulation lower portion, and a second network of resealable tubing wherein said second network of tubing is affixed between said second simulation element upper portion and said second simulation element lower portion;

an attachment means connecting said first and second simulation elements and for securing said first and second simulation elements on a wearer; and

a fluid reservoir in communication with said networks of tubing.

9. The medical training device of claim **8** further comprising a third simulation element comprising:

a third simulation upper portion, and

a third network of resealable tubing;

wherein said third network of tubing is affixed between said third simulation upper portion and said second simulation element lower portion.

10. The medical training device of claim **8** further comprising a protective shield interposed between said simulation unit in use and a wearer of said training device.

11. A phlebotomy training device comprising:

a glove, having a first and second side;

a first length of tubing secured to the first side of said glove wherein said tubing is sealed at one end;

a source of fluid in sealable communication with the unsealed end of said first length of tubing;

a removable penetrable covering on top of said first network of tubing;

a protective sheath interposed between said first length of tubing and said hand of a wearer;

a second network of tubing secured to said second side of said glove wherein said tubing is sealed at one end;