

the art to which this invention relates will recognize various alternative designs and embodiments for practicing the present invention as defined by the following claims.

What is claimed is:

- 1. A training mannequin for use in teaching, said mannequin comprising:
 - at least a head and interconnected neck of a simulated human body including an anatomically correct inner bone structure having a skull, a jaw and a spinal column, the jaw and the spinal column defining a throat cavity therebetween;
 - a relatively hard simulated larynx disposed in said throat cavity, said larynx having a passageway extending longitudinally therethrough, said larynx including a thyroid cartilage and a cricoid cartilage connected to the thyroid cartilage, the thyroid cartilage and the cricoid cartilage defining an aperture communicating the outer exterior surface of the larynx to the passageway;
 - an elastic membrane covering the aperture between the thyroid cartilage and the cricoid cartilage and pervious to an instrument; and
 - simulated skin for covering said larynx and wherein said skin is so constructed to permit the aperture between the thyroid cartilage and the cricoid cartilage to be felt through the skin to allow a student to insert the instrument through the skin, through the aperture and into the passageway.
- 2. The mannequin as claimed in claim 1 including a trachea connected to the cricoid cartilage.
- 3. The mannequin as claimed in claim 1 further comprising a resilient material disposed between the bone structure and the skin.
- 4. The mannequin as claimed in claim 1 further comprising a torso and at least one thigh portion of a simulated human body, including an anatomically correct inner bone structure having a femur, the thigh position being connected to the torso of the body, the skin also covering the thigh portion to define a blood vessel compartment therein;

a source of simulated blood; and
 at least one simulated blood vessel previous to an instrument disposed in said blood vessel compartment and fluidly connected to said blood source wherein said skin is so constructed to permit the blood vessel to be felt through the skin to allow a student to insert the instrument through the skin and into the blood vessel.

5. The mannequin as claimed in claim 4 further comprising pressurizing means connected to said blood source for pressurizing the blood to permit the pressurized blood in at least one of the blood vessels to be felt through the skin.

6. The mannequin as claimed in claim 5 wherein said pressurizing means includes means for manually pressurizing at least one of said blood vessels to simulate a pulse.

7. The mannequin as claimed in claim 6 wherein said means for manually pressurizing includes a syringe.

8. The mannequin as claimed in claim 4 further comprising pressure generating means and tubing for fluidly connecting said blood source to said pressure generating means.

9. The mannequin as claimed in claim 1 further comprising:

a source of simulated blood; and
 at least one simulated blood vessel previous to an instrument disposed in said throat cavity and fluidly connected to said blood source wherein said skin is so constructed as to permit the blood vessel to be felt through the skin to allow a student to insert an instrument through the skin and into the blood vessel.

10. The mannequin as claimed in claim 9 further comprising pressurizing means connected to the blood source for pressurizing the blood to permit the pressurized blood in the blood vessel to enter the hub of a needle inserted in the blood vessel.

11. The mannequin as claimed in claim 8 wherein said pressure generating means includes a fluid pump.

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