Policy: Decontamination of CPR Training Manikins

Purpose: To prevent cross-infection and disease transmission during CPR class when using manikins and reusable protective face shields.

Procedure:

I. Disinfecting manikins and face shields between CPR classes or use.

A. Equipment

1. Manikin
2. Protective face shield or breathing barrier, Actar D-Fib lung (single use only)
3. Cleaning brush or cloths
4. Sodium hypochlorite solution at least 500 ppm free available chlorine (1/4 cup liquid household bleach per gallon of tap water)
5. Non-latex disposable gloves (such as vinyl or nitrile)

B. Method

1. Disassemble the manikin as directed by manufacturer (see instructions, page 2).
2. As indicated, thoroughly wash all external and internal surfaces as well as reusable protective face shields with warm soapy water and brushes.
3. Rinse all surfaces with fresh water.
4. For all manikins except those with plastic bags, vigorously wipe the entire face and the inside of the mouth. Use a clean, absorbent material. Wet with a solution of liquid household chlorine bleach and water. This should be done for at least 10 minutes.
5. Rinse with fresh water and immediately dry all external and internal surfaces.
6. This solution must be made fresh for each class and discarded after each use.

NOTE: Since chlorine bleach may be objectionable to some people, an alternative is 70 percent alcohol (isopropanol or ethanol). Although alcohol can kill many bacteria and viruses, there are some that it cannot kill. But when alcohol is combined with vigorous scrubbing of the manikins face, it is highly unlikely that an infectious disease will be transmitted.

II. Recommendations

A. Instructors in CPR should be encouraged not to rely solely on the use of a disinfectant to protect themselves and their students from cross-infection during training or use. Vigorously scrubbing mankin parts with soap and water is as important as soaking them in bleach solution. Protective gloves should be worn throughout the disassembling, cleaning and decontamination
procedures. Always wear safety goggles and protective gloves when cleaning manikins with chlorine bleach solution. Always clean manikins in a well-ventilated area.
INSTRUCTION GUIDE FOR
LITTLE JOE™ ADULT CPR MANIKIN

This instruction guide will familiarize you with the LITTLE JOE™ Adult CPR Manikin from Armstrong. Designed with your training needs in mind, LITTLE JOE’s realistic looks, accurate anatomical landmarks and individual-use mouth/nose pieces with disposable airway/lung systems and non-rebreathing valve will continue to reinforce the manikin’s value. Lung deflation rate may be controlled by placing the lungs either over or under LITTLE JOE’s chestplate. His sturdy vinyl-covered torso means quick, wipe-clean maintenance.

LITTLE JOE Adult CPR Manikin can be used for 2-person team CPR training.

INSTALLATION AND REMOVAL OF AIRWAY:

To Remove Airway:
1. Remove face insert and remove clear connector from inside face cavity.
2. With manikin face up, grab the skin overlay from behind shoulders, pulling it over the shoulders, and folding it down to expose the lung and chest plate.
3. Tilt head back and pull the one-way valve out of the head.
4. Slip lung anchors from bottom of chest plate wings. Remove and discard lung (figure 1)

To Install Airway:
1. Repeat step number two above
2. Tilt head back, and place the one-way valve inside the head, inserting valve (figure 2) stem through hole in the face cavity. The white tube on the one-way valve must be toward the bottom of the manikin for the airway cutoff to perform properly.
3. Press clear connector onto valve stem through hole in the face cavity so that flat end (figure 3) of the (flange) connector is toward mouthpiece.
4. Lay lung on chest plate and slip lung anchors over bottom of chest plate wings to secure (At user’s discretion, lungs may also be placed under chest plate to speed up deflation)
5. Replace chest skin overlay

TO CLEAN AND DISINFECT:

Vinyl Body & Skin Overlay: Wash with warm, soapy water.
Non-Rebreathing Valve: Non-Rebreathing valve and lung assembly are to be disposed of at the end of your training session.
Mouth/Nose Pieces: Although the Mouth/Nose Pieces are designed to be disposed of at the end of your training class, they may be reused if desired by following Disinfection Instructions.

DISINFECTION INSTRUCTIONS:

1. Clean in mild, soapy water.
2. Rinse thoroughly.
3. Soak for 10 minutes in fresh hypochlorite solution of 1 part household bleach to 10 parts water, or according to current AHA or CDC recommendation. DO NOT USE BLEACH FULL STRENGTH

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