

Cleaning of CPR Manikins

Standard Operating for cleaning of CPR Manikins maintained by Staff Education and Training Department, Naval Medical Center, Portsmouth, Virginia.

Ref: (a) JAMA, June 1996, Vol 255, No 41
(b) Instructor's Manual for Basic Life Support American Heart Association, 1990

BACKGROUND

Manikins are maintained by the Staff Education and Training Department for use in training personnel from this command and others in Basic Life Support (BLS), Advance Cardiac Life Support (ACLS), and Emergency Medical Technician (EMT) courses. Currently, the following manikins are utilized for this purpose:

- Resusi Anne
- Chris Clean
- Resusi Timmy
- Resusi Baby

The manikins are coordinated and controlled by the Head, Command Education Division who is accountable for inventory control, utilization, cleaning, and maintenance.

Frequently, manikins are subcustodied for training programs presented by other departments within the command. Responsibility for cleaning of manikins in those cases is delegated to the authorized personnel coordinating the additional training.

POLICY STATEMENT

Cleaning will be conducted in accordance with references (a) and (b).

- Personnel conducting the manikin disassembly and decontamination will wear disposable latex gloves and wash their hands after finishing.
- Disassemble manikins as directed by manufacturer.
- Thoroughly wash all external and internal surfaces (also reusable protective face shields) with warm soapy water and brushes.
- Rinse all surfaces with fresh water.
- Wet all surfaces with a sodium hypochlorite solution having at least 500 ppm free available chlorine (1/4 cup liquid household bleach per gallon of tap water) for 10 minutes. This solution must be made fresh at each class and discarded after each use.
- Rinse with fresh water and immediately dry all external and internal surfaces. Follow with alcohol rinse to aid drying of internal surfaces, and prevent the survival and growth of bacteria or fungal pathogens if the manikins are stored for long periods. Students will maintain the shields until completion of the practical testing and then place them in a bucket for cleaning.
- If more than one CPR manikin is used in a particular training class, students will be assigned in pairs, with each pair having contact with only one manikin.
- During the training of two-rescuer CPR, there is no opportunity to disinfect the manikin between students when the "switching procedure" is practiced. In order to

limit the potential for disease transmission during this exercise, the second student taking over ventilation on the manikin will simulate ventilation instead of blowing into the manikin.

- Training of the “obstructed airway procedure” involves the student using his or her finger to sweep foreign matter out of the manikin’s mouth. This action increases possible contamination of the student’s finger with exhaled moisture and saliva from previous students in the same class and/or contaminate the manikin with material from the student’s finger. When practicing this procedure, the finger sweep will be simulated or done on a manikin whose airway was decontaminated after the procedure.