Automated External Defibrillator (AED) Policy/Procedure

The purpose is to establish guidelines for and define the use and care of the Automated External Defibrillator (AED), and to ensure the most effective and efficient delivery of AED service for persons in emergencies where the need for an AED is required.

Definitions

1. Automated External Defibrillator (AED): A device that combines a heart monitor and defibrillator that:
    a. Is capable of determining, without intervention by an operator, whether defibrillation should be performed, and
    b. Automatically charges and requests delivery of an electrical impulse to an individual's heart, upon determining that a shock should be performed.
2. AED Operator: Someone who has completed a training program approved by the American Heart Association or the American Red Cross in cardiopulmonary resuscitation and the use of the AED.
    a. Lay Operator: Someone allowed to use AEDs; terms and conditions, and should have immunity under state Good Samaritan law.

Location

The AED is housed in the Administration Building (ADM), behind the Receptionist/Switchboard Operator desk.

The AED cabinet has an automatic notification alarm, when the AED is removed or its cabinet opened it activates an audio alarm.

Operation Procedures

1. Verify that the patient is unconscious and confirm absence of pulse and respirations.

2. If the patient has no pulse and is not breathing, the AED unit should be placed on the patient as soon as possible. If an AED unit is not available, CPR should be performed, and continued, assisted by the AED when available.
3. Press ON to turn on the AED
    a. Prepare the patient for electrode placement.

b. If possible, place the patient on a hard surface away from standing water or conductive material.

DO NOT use the AED unit if the patient is lying in water.

c. Remove clothing from the patient's upper torso.
d. Apply electrodes to the patient's chest as directed on electrodes.

- Follow the light and verbal prompts provided by the AED.
- Once attached, the AED will begin to analyze the patient's heart rhythm.
- Prior to shock, ensure all persons are clear of the patient to prevent injury.
- Maintain patient care until such time an EMS provider of equal or higher certification assumes patient care:
    1. First Responder
    2. EMT-B trained provider
    3. ALS provider (EMT-I, Paramedic)

Special Instructions for Screen and Voice Prompts:

1. "Don't touch patient, Analyzing".

DO NOT touch the patient, AED, cable or patches until "Treatment Advised", prompt is given.

2. "Press Flashing Shock Button":

Operator immediately states: "I'm clear, everybody's clear" and visually checks that no one is touching the patient; then depresses shock button.

3. "Check Electrode Pads":

Verify cable connected fully to AED. Verify patches stuck to chest. If excessive chest hair is present, remove patches, dry shave chest and use NEW patches.

Online Website demo

http://www.zoll.com/medical-technology/real-cpr-help/aed-demo/

Post Usage

After the AED unit has been utilized, contact the Emergency Planning Officer to make arrangements for the device to be checked and placed back in service.

Maintenance of AED

Monthly inspections will be conducted. The inspection will include the AED cabinet, case, battery, electrode patches and appropriate illumination of messages. Monthly check sheets will be maintained in the Emergency Planner's Office.

Virginia Highlands Community College
Automated External Defibrillator
Monthly Check Sheet

General Information

Date: ___/ ___ / _____ AED Unit Number: _____

Checked by: _____

Note condition of:

AED Storage Box condition, Okay Yes/No,
Damaged: Yes / No
Alarmed: Yes / No
AED Case condition, Okay: Yes / No
Battery Capacity, Charged: Yes / No
CPR Circuitry and Sensor: Yes / No
Audio Circuitry: Yes / No
Message Display Illumination: Yes / No
CPR-D padz in case: Yes / No
Stat Pad II – Adult in case: Yes / No
Pedi Pads II Electrode Patches in case: Yes / No

Additional Comments:

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Additional Comments: