

**AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
PROTOCOL**

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AED PROTOCOL

VENTRICULAR FIBRILLATION AND PULSELESS VENTRICULAR TACHYCARDIA

Patient is unconscious and unresponsive without pulses or respirations.

WITNESSED ARREST

1. Check pulse, if no pulse precordial thump.
2. Go to “Unwitnessed Arrest.”

UNWITNESSED ARREST

- A. When an AED is immediately available, one (1) shock should be administered after assessment and ventricular fibrillation is present.
- B. CPR should not be interrupted for more than 15 seconds until pulse is established.
- C. Transport immediately, without advanced life support for exsanguine hemorrhage or hypothermia.

AED PROTOCOL

PROCEDURE

1. Assess patient for respiratory and cardiac arrest.
2. Apply AED and activate device. Obtain history if possible.
 - A. “NO SHOCK ADVISED”
 1. Begin CPR.
 2. Ventilate with 100% O₂ by bag-valve-mask and oral airway. Ventilate at 10 times per minute
 3. Establish communications with Medical Control and advise of cardiac arrest
 4. Transport immediately or transfer to advanced life support unit
 - B. “SHOCK ADVISED”
 1. Deliver one (1) shock. (Shock without pulse check)
 2. Defibrillate at 200 joules.
 3. CPR 150 compressions. Check rhythm
 - a. If organized, then check pulse. If not⇒150 compressions.
 - b. 150 compressions/8 breaths (for 2 minutes)
 4. No change? Defibrillate at 300 joules.
 - a. 150 compressions/8 breaths (for 2 minutes)
 5. No change? Defibrillate at 360 joules.
 - b. 150 compressions/8 breaths (for 2 minutes)
 6. Ventilate with 100% O₂ by bag-valve-devised and oral airway/BIAD
 7. Communication with Medical Direction and advise of cardiac arrest
 8. Defibrillate at 360 joules
 9. No change. Defibrillate at 360 joules
 - a. 150 compressions (for 2 minutes)
 10. No change. Defibrillate at 360 joules
 - a. 150 compressions/8 breaths per minute (for 2 minutes)
 11. Transport immediately or transfer to advanced life support unit

POST ARREST

1. Maintain airway, breathing, and circulation
2. Pulse Oximetry, high flow oxygen
3. Continue EKG monitor
WATCH CLOSELY FOR DYSRHYTHMIAS
4. Transport
5. Monitor ABC's