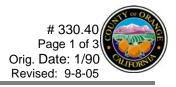


## FIRST RESPONDER DEFIBRILLATION STANDING ORDER



## **AUTHORITY:** I.

Health and Safety Code, Division 2.5, Sections 1797.90, 1797.220, and 1798; California Code of Regulations, Title 22, Sections 100021 and 100064.

## II. **APPLICATION:**

This policy defines the standing orders for a first responder accredited to use an Automated External Defibrillator (AED).

#### III. PROCEDURE:

#### Α. Indications:

- 1. Cardiac arrest of suspected medical origin in patients > 8 years old and > 55 pounds.
- 2. Use in children aged 0 8 years or < 55 pounds is permitted only if the AED has been approved by the AED manufacturer for use in children.

### B. Contraindications:

Cardiac arrest victims of trauma, unless the scene situation suggests a probable medical cause of the cardiac arrest.

- C. Immediately upon arrival, verify unconsciousness, assess respirations, and verify pulselessness.
- D. Initiate CPR; ventilate with 100% oxygen, if possible.
  - 1. If the cardiac arrest is unwitnessed by the rescuers, continue CPR for two minutes before delivering the first shock (if indicated).
  - 2. For patients <8 years of age, perform CPR for two minutes prior to applying the AED, even if the arrest is witnessed.
  - 3. Minimize interruptions in CPR for rhythm analysis and delivery of shocks.
- E. Apply defibrillator and follow the manufacturer's instructions: use the appropriate sized pads and pad placement.

#### F. AED Shock Advised:

- 1. If the defibrillator determines that a shock is advised, a series of up to three (3) shocks should be
- 2. Perform one (1) minute of CPR.
- 3. Repeat rhythm analysis.
- 4. Follow machine prompts.
- 5. After a maximum of six (6) shocks have been delivered and the patient remains unconscious and pulseless, continue CPR. Determine ETA of the ALS unit; prepare patient for transport.

#### G. No Shock Advised:

- 1. If no shock advised, check the patient's pulse.
- 2. Perform CPR if indicated for one (1) minute.
- 3. Repeat rhythm analysis.
- 4. Follow machine prompts.
- 5. If no shocks are advised, resume CPR and re-analyze every 2-3 minutes or as prompted by the AED with automatic analysis capability.
- 6. Determine ETA of the ALS unit; prepare patient for transport.

Approved:

Bulk-10 Sul L Bell

P/P: 330.40 Inplementation Date: September, 2005



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### IV. **SCENARIO VARIATIONS:**

- Public Access / Private Citizen Applied AED: Α.
  - 1. Continue the delivery of stacked shocks if applicable.
  - 2. If three or more shocks have been delivered, or if 'no shock advised', first responders should perform 2 minutes of CPR prior to application of the first responder's AED and/or re-analysis of the rhythm.
- B. AED contraindicated:

Continue CPR and prepare patient for ALS treatment / STAT transport.

- C. STAT Code 3 BLS transport:
  - 1. If the ETA of the ALS unit to the scene exceeds the time required to transport the patient to the closest PRC by BLS ambulance Code 3 transport, the patient is to be transported to the closest PRC by the first responder team.
  - 2. The PRC is to be notified via ambulance company dispatcher or other appropriate means.
- D. Delayed ambulance and paramedic arrival:

Greater than 6 shocks may be delivered on scene if the paramedics and ambulance arrival is delayed. In this circumstance, continue to re-analyze every 2-3 minutes or as prompted by the AED and deliver shocks as indicated.

- E. Rhythm analysis and defibrillation during transport:
  - 1. Repeat rhythm analysis no more frequently than every 10 minutes during transport, unless a change in the patient's condition, even if the machine prompts a more frequent analysis.
  - 2. Do not use the AED in a moving vehicle. Pull the ambulance to the side of the road and allow the machine to analyze the rhythm.

### ٧. SPECIAL CONSIDERATIONS:

Α. Transdermal Medication Patches:

> Remove the patch and wipe the area to prevent arcing / sparking or burns if the electrical current should pass through the patch.

B. Surgically implanted devices (Pacemakers, implantable defibrillators):

Avoid placing electrodes over or near these devices, which can be damaged, or can absorb or reflect energy, thereby decreasing the chance of a successful defibrillation.

C. Follow safe practice guidelines:

> Do not defibrillate patients in water, ensure no one is touching the patient during machine analysis or defibrillation, etc.

D. Documentation:

The first responder agency must retain the electronic data of the AED use.

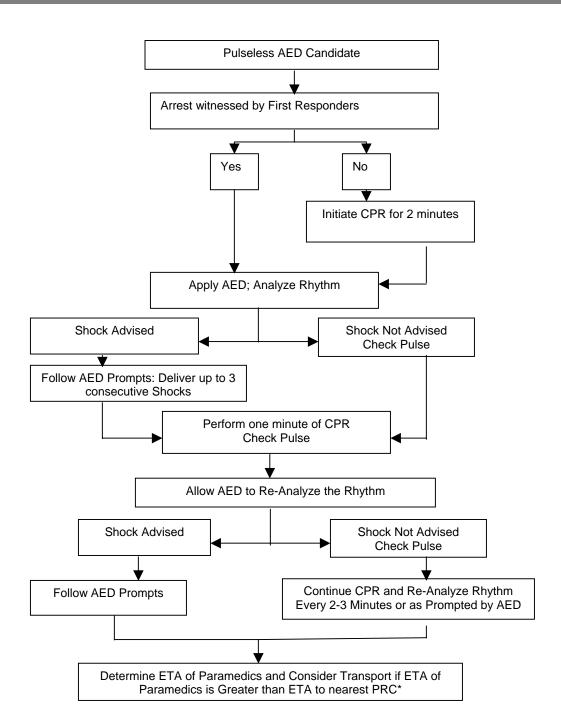
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Bully-10 Suy L Bell

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# FIRST RESPONDER DEFIBRILLATION STANDING ORDER



If First Responder personnel opt to transport the patient prior to the paramedics' arrival, repeat analysis no more frequently than every 10 minutes during transport. Ambulance must be stopped during analysis and shock delivery.

Approved:

Bully-10 Suy & Bell

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