



## EMS System for Metropolitan Oklahoma City and Tulsa 2017 Medical Control Board Treatment Protocols



Approved 11/9/16, Effective 2/1/17, replaces all prior versions

### 4C – AUTOMATED EXTERNAL DEFIBRILLATION (AED) ADULT & PEDIATRIC

EMERGENCY MEDICAL RESPONDER
EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

#### Indications:

Adults and pediatrics that are unresponsive, apneic or agonally breathing, and pulseless.

#### Contraindications:

None, though futile in obvious death (decapitation, rigor mortis, dependent lividity, and/or decomposition).

#### Technique (Physio-Control LifePak®1000):

1. Turn ON AED. (Figure 1)
2. Apply AED. Follow illustration for correct defibrillation pad placement. (Figure 2)
  - a. Avoid air spaces/incomplete skin contact under pads.
  - b. Avoid placing pads over suspected implanted pacemakers and/or implanted defibrillators.
  - c. **NOTE (Pediatric):** If victim is less than 8 years old or under 25 kg (55 lbs), connect the Infant/Child Reduced Energy Defibrillation Electrodes to the AED and proceed to STEP 3. If Infant/Child Reduced Energy Defibrillation Electrodes are unavailable, place pads in anterior left chest and posterior left chest position when using a standard AED.
  - d. **NOTE (Infant <1 year of age):** Manual defibrillation preferred. Follow STEP 2c if manual defibrillation/paramedic unavailable.



Figure 1

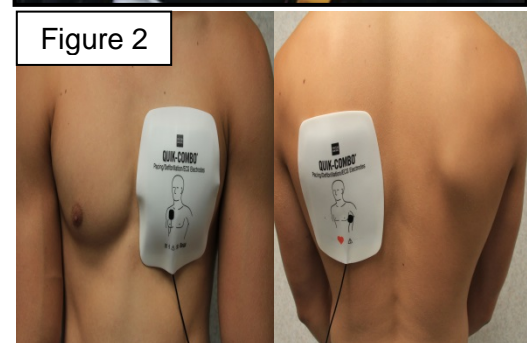


Figure 2



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### **Protocol 4C: Automated External Defibrillation (AED) – Adult & Pediatric, cont.**

3. Follow AED visual and voice prompts.
  - a. If cardiac arrest duration estimated >4 minutes and without good quality bystander CPR, perform CPR for 2 minutes prior to AED analysis for defibrillation determination.
  - b. If cardiac arrest duration estimated ≤4 minutes, immediate AED analysis for defibrillation determination.
4. Follow all AED manufacturer recommendations for safe, effective, and accurate rhythm analysis and defibrillation.
5. Resuscitate victims of cardiac arrest per applicable protocol(s), minimizing pauses in chest compressions (see Protocol 4B – Resuscitation Team Roles).