

**SAGINAW VALLEY  
MEDICAL CONTROL AUTHORITY  
PRACTICE PARAMETER**

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**AUTOMATIC EXTERNAL DEFIBRILLATOR**

- I. Assessment Information**
  - A. Contraindications
    - 1. Valid DNR order
  - B. Indication
    - 1. Witnessed arrest
    - 2. Unwitnessed arrest and bystander CPR in progress
    - 3. > 1yr of age<sup>1</sup>

**FIRST RESPONDER**

- II. Management**
  - A. **APPLY AED PADS.**<sup>2</sup>
  - B. Stop CPR to analyze patient and shock once, if needed or follow AED voice prompts<sup>3</sup>
  - C. If patient is not converted with first shock or no shock is indicated, perform CPR for 2 minutes(5 cycles) and analyze as indicated by AED voice prompts.
  - D. If indicated, the AED will initiate analysis and deliver one shock after 2 minutes(5 cycles) of CPR.
  - E. Continue to alternate between 2 minutes(5 cycles) of CPR and one shock as appropriate until ALS arrives or the patient converts to a perfusing (pulsed) rhythm.
    - 1. If patient converts to a non-shockable rhythm at any time, continue CPR until AED voice prompts to check the patient.
    - 2. Should a patient who is successfully defibrillated arrest again, analyze the patient. If the AED indicates shockable rhythm, then deliver shock as directed by AED voice prompt.

**BASIC LIFE SUPPORT**

- F. Arrange for ALS intercept
- G. **CONSIDER COMBITUBE**, if not breathing
- L. Initiate transport toward ALS intercept following 2 cycles of CPR and shocks, if transporting unit.

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- M. Continue CPR, if no pulse.
- N. Continue monitoring patient after successful defibrillation.


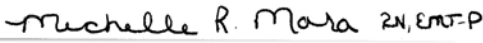
**NOTIFY RECEIVING FACILITY**

**ADVANCED LIFE SUPPORT**

- O. An EMT-P may discontinue operation of the AED after the actively advised shock has completed. **DO NOT discontinue AED if actively providing a shock.**
- P. Apply cardiac monitor to determine rhythm and refer to appropriate parameter.
- Q. **IV NORMAL SALINE @ TKO**

<sup>1</sup> Use pediatric system for 1 to 8 years of age.  
<sup>2</sup> Bare chest and remove any nitro-patches or bras. Place electrodes four inches away from implanted pacemakers. Look for surgical scars in right and left infraclavicular regions and left upper abdominal quadrant. Do not use alcohol to remove perspiration.  
<sup>3</sup> AED should not analyze or shock in a moving vehicle. Do not touch patient during analysis or defibrillation.

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 Medical Director  
  
  
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