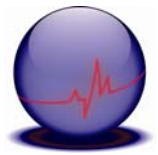




**FAST RESPONSE SCHOOL OF HEALTHCARE EDUCATION**  
**EMERGENCY MEDICAL TECHNICIAN**  
**EMT: MEDICAL – LEARNING SHEET**



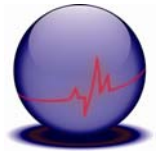
**CARDIAC ARREST MANAGEMENT / AED**

- OBJECTIVE:** Student will demonstrate the ability to rapidly, safely, and effectively administer a defibrillator shock as well as proper management of the cardiac arrest victim
- INDICATIONS:** For a patient that has been found in cardiac arrest.
- EQUIPMENT:**
1. Adult CPR mannequin
  2. AED trainer
  3. Bag-Valve Mask Device
  4. Various Size Airway Adjuncts (OPA, NPA)
  5. Oxygen connecting tubing
  6. Oxygen source with variable flow regulator

1.	Takes body substance isolation precautions.
2.	Briefly questions rescuers or bystanders about arrest events. <ul style="list-style-type: none"><li>• How long has the patient been down?</li><li>• Has the patient been recently under the care of a physician?</li><li>• Is there any DNR Paperwork?</li></ul>
3.	Turns on Automated External Defibrillator (AED)
4.	Applies AED Patches to patient's bare chest.
5.	Plugs in patches to AED.
6.	Ensures all individuals are standing clear of the patient for the analysis of rhythm.
7.	Initiates analysis of the rhythm. (By either pushing the "Analyze" button or allowing machine to automatically analyze.)
8.	Post-Analysis Sequence <ul style="list-style-type: none"><li>• If <b><u>SHOCK ADVISED</u></b>, ensures that all individuals are standing clear of patient for defibrillation before delivering shock. (Proceed to Step # 9)</li><li>• If <b><u>NO SHOCK ADVISED</u></b>, proceed to step # 10.</li></ul>
9.	Deliver Shock once patient has been cleared one final time and machine is ready to defibrillation.
10.	Directs resumption of 1 or 2 rescuer CPR.
11.	Gathers additional information of arrest events. <ul style="list-style-type: none"><li>• Patient complaints prior to arrest?</li><li>• Has this happened before?</li></ul>
12.	Confirms effectiveness of CPR (Compressions and Ventilations) <ul style="list-style-type: none"><li>• Feels for a carotid pulse while compressions are being performed to ensure proper depth and rate of compressions.</li><li>• Looks for rise and fall of the chest during ventilations to ensure the proper tidal volume is being reached.</li></ul>
13.	Directs insertion of a simple airway adjunct (OPA, NPA).
14.	Ventilates or directs ventilation of patient with a bag-valve mask device.
15.	Connects bag-valve mask device to oxygen supply and turns on oxygen to 15 LPM.
16.	Ensures that high concentration of oxygen is being delivered to the patient.
17.	Assures adequate CPR is continued without unnecessary or prolonged interruption.



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18. Continues CPR for two (2) Minutes.
19. Once AED analysis is indicated, ensures that all individuals are clear of the patient for analysis of rhythm.
20. Initiates analysis of the rhythm. (By either pushing the “Analyze” button or allowing machine to automatically analyze.)
21. Post-Analysis Sequence <ul style="list-style-type: none"><li>• If <b><u>SHOCK ADVISED</u></b>, ensures that all individuals are standing clear of patient for defibrillation before delivering shock. (Proceed to Step # 22)</li><li>• If <b><u>NO SHOCK ADVISED</u></b>, proceed to step # 23.</li></ul>
22. Deliver Shock once patient has been cleared one final time and machine is ready to defibrillation.
23. Directs resumption of 1 or 2 rescuer CPR.
24. Verbalize transport of patient <b><i>OR</i></b> transfer of patient to a higher level of care.

**CRITICAL CRITERIA**

<ul style="list-style-type: none"><li>• Did not take or verbalize BSI</li><li>• Did not evaluate the need for immediate use of the AED.</li><li>• Operated the AED improperly or unsafely.</li><li>• Did not allow adequate exhalation.</li><li>• Did not immediately direct initiation or resumption of CPR at appropriate times.</li><li>• Did not assure that all individuals were clear of patient before delivering a shock.</li><li>• Did not assure that all individuals were clear of patient before analysis of rhythm.</li><li>• Did not assure that adequate CPR was being performed throughout event. (i.e. Poor Compressions, Ventilations too slow or fast, tidal volume inappropriate.)</li><li>• Failure to manage the patient as a competent EMT</li></ul>
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