

DEFIBRILLATION USING A MANUAL DEFIBRILLATOR

OBJECTIVE: The student will demonstrate the ability to recognize the need for a defibrillatory shock and properly perform defibrillation on an unmonitored cardiac arrest patient.

EQUIPMENT: Defibrillation manikin, monitor/defibrillator, conductive medium (if required), and dysrhythmia simulator.

PERFORMANCE CRITERIA AND CONDITION: The student will be presented with a defibrillation manikin representing a patient in ventricular fibrillation or pulseless ventricular tachycardia. The student will assess the patient and treat appropriately. A CPR trained assistant will be available.

REVISED: April 2006

<i>Event</i>	<i>Does</i>	<i>Does Not</i>
1. Verbalizes consideration of standard precautions and takes standard precautions when indicated.	*	
2. Turns on monitor/defibrillator and selects paddles or pads lead.		
3. Applies conductive medium, if necessary.		
4. Places paddles on appropriate landmarks with firm pressure or applies hands off defibrillation pads appropriately.		
5. Verbalizes identification of ventricular fibrillation or ventricular tachycardia on monitor.	*	
6. Sets appropriate defibrillator energy level.	*	
7. Charges defibrillator.		
8. If not using hands-off defibrillator pads, places paddles on appropriate landmarks with firm pressure.	*	
9. Says " CLEAR " and visually checks that other rescuers are clear of patient.	*	
10. Delivers shock.	*	
11. If no sign of spontaneous respirations, verbalizes initiation of CPR.	*	

EMT-3 CARDIAC ARREST TREATMENT

OBJECTIVE: The student will demonstrate the ability to coordinate and perform resuscitative measures including dysrhythmia recognition, defibrillation, airway care, and administration of cardiac medications.

EQUIPMENT: Defibrillation manikin, monitor/defibrillator, conductive medium (if required), examination gloves (if required), eye protection (if required), masks (if required), dysrhythmia simulator, 2 basic life support rescuers, IV equipment and supplies, airway care equipment and supplies, and appropriate medications.

PERFORMANCE CRITERIA AND CONDITION: The student will be presented with a defibrillation manikin representing a patient in cardiac arrest. The student will assess the patient and treat appropriately. Unless otherwise directed, insertion of advanced airway devices and intravenous lines may be verbalized.

REVISED: April 2006

<i>Event</i>		<i>Does</i>	<i>Does Not</i>
1. Verbalizes consideration of standard precautions and takes standard precautions when indicated.		*	
Witnessed arrest	Non-witnessed arrest		
2. Provides two rescue breaths.	2. Verifies that effective CPR is being performed.		
3. Checks for a pulse. If no pulse, directs assistants to start CPR.	3. If effective CPR is not being performed, directs assistants to perform CPR for five cycles of 30 compressions and 2 rescue breaths.		
4. Applies paddles/attaches pads to patient.			
5. Recognizes shockable rhythm.		*	
6. Stops CPR, states “CLEAR,” and visually checks that other rescuers are clear of patient.		*	
7. Defibrillates patient at appropriate energy level with minimal interruption of CPR.		*	
8. Directs assistants to resume CPR for five cycles.		*	
9. Places an advanced airway device.			
10. Obtains IV/IO access.			
11. Administers epinephrine 1:10,000 1 mg IV/IO and circulates medication with CPR.		*	
12. Repeat steps 5 through 7.		*	
13. Checks and confirms rhythm, checks pulse, and directs assistants to resume CPR.			
14. Administers lidocaine 1 to 1.5 mg/kg IV/ IO and circulates medication with CPR.		*	
15. Repeat steps 5 through 7.		*	
16. Checks and confirms rhythm, checks pulse, and directs assistants to resume CPR.		*	
17. Repeats epinephrine 1:10,000 1 mg every 3 – 5 minutes.		*	
18. Repeats lidocaine 0.5 – 0.75 mg/kg every 3 – 5 minutes up to a maximum of 3 mg/kg.		*	
19. Repeats defibrillations at appropriate intervals.		*	