

DEFIBRILLATION USING AN AUTOMATED EXTERNAL DEFIBRILLATOR (AED)

OBJECTIVE: The candidate will demonstrate the ability to rapidly, safely, and effectively administer a defibrillator shock.

EQUIPMENT: AED trainer or AED and, dysrhythmia generator, defibrillation pads, stopwatch for proctor, CPR/defibrillator manikin capable of interfacing with defibrillator.

PERFORMANCE CRITERIA AND CONDITIONS: The candidate will be presented with a CPR manikin with simulated ventricular fibrillation on which cardiopulmonary resuscitation is being performed by two rescuers who are using appropriate airway adjuncts and oxygen and will correctly and safely perform defibrillation using an AED.

REVISED: May 2003

<i>Event</i>	<i>Does</i>	<i>Does Not</i>
1. Takes BSI precautions.	*	
2. Briefly questions rescuers or bystanders about arrest events		
3. Directs rescuers to stop CPR.		
4. Verifies absence of spontaneous pulse.	*	
5. Directs rescuers to resume CPR.		
6. Attaches defibrillator pads and turns power to unit ON.		
7. Stops CPR and ensures that everyone is clear of patient.		
Machines that analyze automatically	Machines that require operator to start analysis	
8. Permits machine to perform analysis of rhythm.	8. Presses “analyze” on unit to assess patient	*
CONTINUATION FOR BOTH DEVICES		
9. Delivers shock.	*	
10. Delivers first shock within 60 seconds after arriving at patient’s side.	*	
11. Repeats steps 7 – 9 (up to a total of three shocks) in accordance with standing orders, ensuring that the patient is cleared EACH time.	*	
12. Checks pulse.	*	
13. Directs rescuers to resume CPR for 60 seconds.		
14. Gathers additional information about arrest event.		
15. Confirms effectiveness of ventilations and compressions.		
16. After 60 seconds of CPR, repeats steps 7 – 9 in accordance with standing orders (up to a total of three shocks), ensuring that the patient is cleared EACH time.		
17. Checks pulse		
18. Continues CPR in accordance with standing orders and evaluates effectiveness of CPR.		
19. Identifies and responds to any equipment difficulty in accordance with manufacturer’s instruction guide if applicable.		

EMERGENCY CHILDBIRTH

OBJECTIVE: The candidate will demonstrate the ability to correctly assist the mother in giving birth; and provide appropriate postnatal care.

EQUIPMENT: OB manikin with neonate, OB kit complete with towels, drapes, cord clamps or umbilical ties, scissors or scalpel, examination gloves, eye protection, gown, receiving blanket, bulb syringe, plastic bags, OB pad, and an EMT/ETT trained assistant.

PERFORMANCE CRITERIA AND CONDITIONS: The candidate will be presented with an OB manikin simulation of a patient in the second stage of labor. The candidate must deliver the infant and provide appropriate care to the mother and infant.

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<i>Event</i>	<i>Does</i>	<i>Does Not</i>										
1. Takes BSI precautions.	*											
2. Obtains the following items during patient history: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input type="checkbox"/> Due date?</td> <td style="width: 50%; border: none;"><input type="checkbox"/> Drug use within 12 hours?</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Last menstrual period?</td> <td style="border: none;"><input type="checkbox"/> Are you expecting twins?</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Bleeding or discharge?</td> <td style="border: none;"><input type="checkbox"/> Pain or contraction?</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Has the bag of waters broken, and was it stained water?</td> <td style="border: none;"><input type="checkbox"/> How long are your contractions? How far apart are they?</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> How many times have you been pregnant and how many times have you given birth?</td> <td style="border: none;"><input type="checkbox"/> Do you feel a need to push or move your bowels?</td> </tr> </table>	<input type="checkbox"/> Due date?	<input type="checkbox"/> Drug use within 12 hours?	<input type="checkbox"/> Last menstrual period?	<input type="checkbox"/> Are you expecting twins?	<input type="checkbox"/> Bleeding or discharge?	<input type="checkbox"/> Pain or contraction?	<input type="checkbox"/> Has the bag of waters broken, and was it stained water?	<input type="checkbox"/> How long are your contractions? How far apart are they?	<input type="checkbox"/> How many times have you been pregnant and how many times have you given birth?	<input type="checkbox"/> Do you feel a need to push or move your bowels?		
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3. Explains the necessity of examining the patient for crowning.												
4. If time allows drapes the patient for examination.												
5. Has patient lie supine with knees drawn up and spread apart.												
6. Observes for crowning or any presenting part.												
7. Places hand on infant's head avoiding fontanelles to prevent explosive delivery.												
8. Checks for cord around the infant's neck when the head presents. Slips cord over head or shoulder or clamps and cuts cord if necessary.	*											
9. Clears the infant's airway by suctioning mouth and then the nose with a bulb syringe or other appropriate device. (Expels air from the syringe prior to insertion.)	*											
10. Holds baby securely by placing one hand under the head and neck and sliding the other hand along the body during delivery. Grasps the feet as they present.												
11. Keeps infant level with vagina until cord is clamped.												
12. Care for the infant follows newborn management skill sheet (see page 23).												
13. Clamps the cord at approximately 7 inches from the infant and places another clamp at approximately 10 inches from the infant.												
14. The cord, if cut, is cut between the clamps.	*											
15. Places the infant on the mother's abdomen or gives the baby to the assistant.												
16. Delivers the placenta without pulling the cord. Transports all placental tissue with the mother and baby.	*											
17. Massages the mother's uterus through the abdominal wall until it shrinks to a firm, hard consistency, or assists the mother with uterine massage.												

<i>Event</i>	<i>Does</i>	<i>Does Not</i>
18. Applies OB pad.		
19. Records time of delivery.		

NEWBORN MANAGEMENT

OBJECTIVE: The candidate will demonstrate the ability to correctly evaluate and manage a newborn baby.

EQUIPMENT: OB manikin with neonate, OB kit complete with towels, drapes, cord clamps or umbilical ties, scissors or scalpel, examination gloves, eye protection, gown, receiving blanket, bulb syringe, DeLee suction device (optional), plastic bags, OB pad, and an EMT/ETT trained assistant.

PERFORMANCE CRITERIA AND CONDITIONS: Given a newborn infant manikin, the candidate will appropriately assess and treat using the guidelines that follow.

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<i>Event</i>	<i>Does</i>	<i>Does Not</i>
1. Takes BSI precautions.	*	
2. Clears mouth and nose and suctions with bulb syringe or DeLee as needed.	*	
3. Dries infant and wraps in clean, dry, warm blanket, ensuring that head is covered.		
4. Provides tactile stimulation if infant is blue, limp, or not breathing.		
5. Evaluates respirations, heart rate and color: <ul style="list-style-type: none"> a. If HR is greater than 100 and baby is pink, gives supportive care. b. If HR is greater than 100 and baby is not pink centrally, gives oxygen. c. If apneic or heart rate is less than 100, provides ventilatory support. d. If heart rate is less than 60, provides chest compressions and ventilations. 	*	
6. Gives oxygen as necessary.	*	
7. Clamps the cord at approximately 7 inches from the infant and places another clamp at approximately 10 inches from the patient. May be done at any convenient time.		
8. Continues to maintain body temperature.	*	