Harlan County Safety Days July 22 - 24, 2014





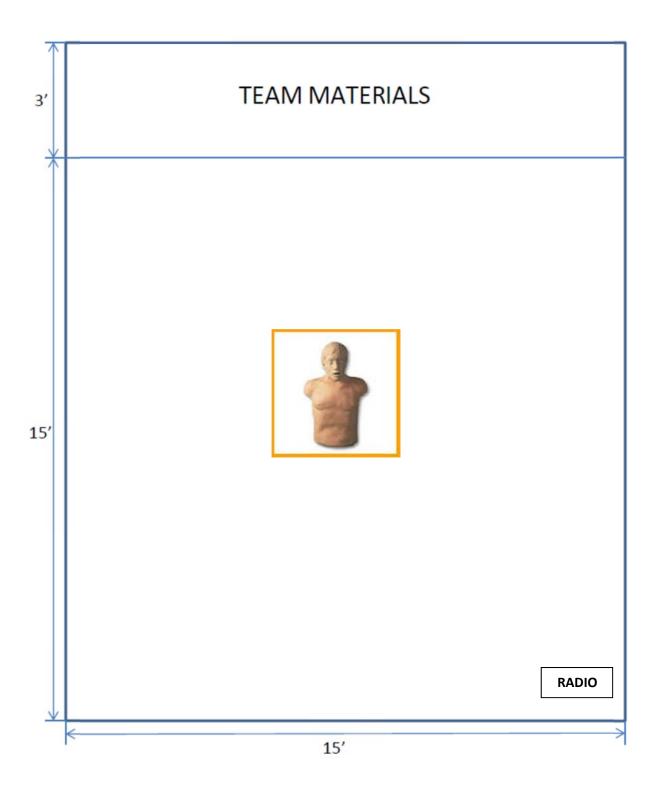


Skills Station Problem

PROBLEM

YOU AND YOUR PARTNER ARE WORKING ON THE 003 MMU INSTALLING ROOF BOLTS WITH A DUAL HEAD WALK THROUGH BOLTER. THE REST OF THE CREW ARE BEGINNING A BELT MOVE TO ADVANCE THE TAIL PIECE AS NEEDED ON THE SECTION. ROGER, WHO IS PART OF THE BELT CREW, COMES TO YOUR LOCATION AND ADVISES YOU THAT THERE HAS BEEN AN ACCIDENT AT THE TAILPIECE AND YOUR ASSISTANCE IS NEEDED IMMEDIATELY. ON THE WAY TO THE LOCATION OF THE ACCIDENT ROGER TELLS YOU THAT LEONARD WAS STANDING ON THE BELT STRUCTURE ATTEMPTING TO REMOVE A PIECE OF DRAW ROCK WHEN HE SLIPPED AND FELL FROM THE BELT STRUCTURE HITTING HIS HEAD AND NECK AREA ON THE STRUCTURE AS HE FELL. WHEN YOU ARRIVE YOU FIND LEONARD LYING SUPINE ON THE MINE FLOOR BREATHING AT A RATE OF 6 TIMES PER MINUTE AND HE HAS NO PALPABLE PULSE. PLEASE HELP LEONARD!!!

FIELD LAYOUT



TWO-RESCUER CPR (WITH SPINAL INJURY - MANIKIN ONLY)

PROCEDURES

CRITICAL SKILL

| 1. | RESCUER 1 - ESTABLISH UNRESPONSIVENESS | A. Tap or gently shake shoulders *B. "Are you OK?" C. Determine unconsciousness without compromising cervical spine (neck) injury *D. "Call for help" *E. "Get AED" (Note: If AED is used, follow local protocol) |
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| 2. | RESCUER 1 - MONITOR PATIENT FOR BREATHING | A. Look for absence of breathing (no chest rise and fall) or gasping, which are not considered adequate (within 10 seconds) |
| 3. | RESCUER 1 - CHECK FOR CAROTID PULSE | A. Correctly locate the carotid pulse - on the side of the rescuer, locate the patient's windpipe with your index and middle fingers and slide your fingers in the groove between the windpipe and the muscle in the neck B. Check for presence of carotid pulse for 5 to 10 second *C. Absence of pulse |
| 4. | RESCUER 1 - POSITION FOR COMPRESSIONS | A. Locate the compression point on the breastbone between the nipples B. Place the heel of one hand on sternum the compression point and the other hand on top of the first so hands are parallel C. Do not rest fingers on the chest Keep heel of your hand on chest during and between compressions |
| 5. | RESCUER 1 - DELIVER CARDIAC COMPRESSION | A. Give 30 compressions B. Compressions are at the rate of at least 100 per minute (30 compressions delivered within 18 seconds) C. Down stroke for compression must be on or through compression line D. Return to baseline on upstroke of compression |
| 6. | RESCUER 2 - ESTABLISH AIRWAY | A. Kneel at the patient's head B. Correctly execute jaw thrust maneuver |

| 7. RESCUER 2 - VENTILATIONS BETWEEN COMPRESSIONS | A. Rescuer 1 should place the barrier device (pocket mask/Shield with one way valve) on manikin (OPTION 1: When spinal injury is present, Rescuer No. 2 can hold barrier device on manikin after Rescuer No. 1 correctly places device over the mouth and nose (OPTION 2: Rescuer 1 can place the device on the manikin each time patient is ventilated B. Rescuer 2 Gives 2 breaths 1 second each C. Each breath - minimum of .8 (through .7 liter line on new manikins) D. Complete breaths and return to compressions in less than 10 seconds (This will be measured from the end of last down stroke to the start of the first down stroke of the next cycle.) |
|--|---|
| 8. CONTINUE CPR FOR TIME STATED IN PROBLEM | A. Provide 5 cycles of 30 chest compressions and 2 rescue breaths B. To check pulse, stop chest compressions for no more than 10 seconds after the first set of CPR C. Rescuer at patient's head maintains airway and checks for adequate breathing or coughing D. The rescuer giving compressions shall feel for a carotid pulse E. If no signs of circulation are detected, continue chest compressions and breaths and check for signs of circulation after each set F. A maximum of 10 seconds will be allowed to complete ventilations and required pulse checks between sets (this will be measured from the end of the last down stroke to the start of the first down stroke of the next cycle |
| 9. CHANGING RESCUERS | A. Change of rescuers shall be made in 5 seconds or less and will be completed as outlined in problem. Team must switch every 5 cycles in less than 5 seconds. |
| 10. CHECK FOR RETURN OF PULSE | A. A final pulse check will be required at the end of the last set of CPR (within 10 seconds) *B. "Patient has a pulse." |