

## **Student Handout**

### **Utilization of the Individual First Aid Kit (IFAK)**

TERMINAL LEARNING OBJECTIVE (TLO). Given a simulated casualty, with a completed evaluation of the wound and an individual first aid kit, identify the procedures to treat the wound, without error.

ENABLING LEARNING OBJECTIVES (ELOs).

1. Given a simulated casualty, with a minor to moderate wound and an individual first aid kit, identify the procedures to treat the wound, without error.
2. Given a simulated casualty, with a moderate to severe wound and an individual first aid kit, identify the procedures to treat the wound, without error.
3. Given a simulated casualty, with a burn wound and an individual first aid kit, identify the procedures to treat the wound, without error.



1. Try to move the casualty to adequate cover, if necessary. Always keep in mind the four life saving steps; Restore the breathing, Stop the bleeding, treat for shock, and protect the wound. For the first wound example we will assume it is a mild to moderately bleeding wound. Utilizing the new individual first aid kit, follow these steps:

- a. Expose the wound. Cut and lift clothing away from the wound to expose it. If there are any penetrating objects in the wound, **do not remove** them. Leave the object in place for removal by medical personnel.
- b. Remove the pressure dressing from the individual first aid kit.
- c. The wound we are demonstrating is smaller than what is needed by the extended pad. Therefore, fold in the wings of the pressure dressing.
- d. With the absorbent pad in place over the wound (tension hook facing up), wrap the elastic wrap around the limb and anchor the Velcro strip.

**IMPORTANT: IF THERE IS A PROTRUDING OBJECT FROM THE WOUND, PACK GAUZE AROUND OBJECT AND SECURE. THE ELASTIC WRAP IS WRAPPED OVER THE GAUZE AND AROUND THE OBJECT.**

- e. Verify that the tension hook is facing up.
- f. Feed the elastic wrap through the tension hook.
- g. Pull elastic wrap through the tension hook. Once the elastic wrap is taught, reverse the direction of the wrap to secure the bandage in place. The objective is to pull the wrap tight enough to cause pressure of the bandage on the wound, without being so tight that it cuts into the skin or acts as a tourniquet.



- h. Continue wrapping the elastic bandage around the wound.
  - i. Once you have reached the end of the elastic wrap, there is another Velcro strip.
  - j. Grab the end of the elastic wrap and rotate it to secure the Velcro strip to the wrap.
  - k. If the wound appears to continue to bleed, as evidenced by a soaked through dressing, or blood leaking from under the dressing, place another dressing over the original dressing and apply direct pressure for at least 5 minutes.
  - l. If this fails to stop the bleeding, treat it as a severe bleed as discussed below:
2. For the treatment of a casualty with severe bleeding, utilizing the new individual first aid kit, follow these steps:
- a. Cut clothing away from wound to expose the wound completely.
  - b. If possible have another buddy try to slow or stop the bleeding using pressure points.
  - c. Unwrap gauze roll and place in wound. Use a second roll if necessary.
  - d. Remove pressure dressing from packaging and place absorbent pad over gauze and the wound.
  - e. Continue to wrap pressure dressing around the wound as previously explained in the Minor to Moderate Wound Section. Apply direct pressure for at least 5 minutes
  - f. With the pressure dressing in place, monitor wound for bleeding.



- g. If after the application of direct pressure to the pressure dressing the bleeding is stopped, splint the leg, and seek medical attention as soon as possible
- h. If the bleeding continues to flow from the wound, remove the tourniquet from the first aid kit and prepare to apply the tourniquet.
- i. Apply the tourniquet two to four inches above the wound, so that the tourniquet is positioned between the wound and the heart. **IMPORTANT: FOR WOUNDS SUSTAINED TO THE TORSO AND HEAD A TOURNIQUET WILL NOT BE USED.**
- j. The latex tourniquet is wrapped once around the leg with both s-hooks close together. Run the end of the latex tourniquet through the stainless steel hook and pull in the opposite direction. Continue to wrap around the leg until the flow of blood is stopped. Secure to the other s-hook. **IMPORTANT: ONCE THE TOURNIQUET IS IN PLACE, IT IS ONLY TO BE REMOVED BY MEDICAL PERSONNEL.**
- k. If the wound continues to bleed, you will have to use the hemostatic clotting agent. Prepare a new gauze roll and fresh bandage for use.
- l. Remove original dressing, wipe up excess blood, and discard. Open up the packet of granular hemostatic agent. Pour the agent into the wound. If any of the hemostatic agent falls outside of the wound, wipe off immediately to protect the surrounding tissue. **IMPORTANT: DO NOT APPLY TO OPEN CHEST OR ABDOMINAL WOUNDS. DO NOT APPLY TO WOUNDS NEAR THE EYE. ONLY USE SUFFICIENT AMOUNT OF HEMOSTATIC AGENT TO STOP THE BLEEDING. THE ENTIRE PACKAGE IS NOT NECESSARILY NEEDED. THE SIZE OF THE WOUND DICTATES THE AMOUNT OF AGENT USED.**



m. There are several Cautions and Warnings that need to be adhered to while working with the hemostatic agent:

- 1) **CAUTION** - Contact with small volumes of water causes extreme heat. Remove water from skin prior to application. If burning is experienced, flood affected area with water.
- 2) **WARNING** - Sterility not guaranteed if wrapper is damaged or opened.
- 3) **WARNING** - Avoid breathing dust; dust may irritate eyes, nose, throat, skin; burns can result. Flush affected area with water.
- 4) **WARNING** - If inhaled, remove to fresh air for 15 minutes.
- 5) **WARNING** - Do not store in direct sunlight.

n. Unfold the gauze roll and pack the wound.

o. Place the absorbent pad of the pressure dressing on top of the gauze roll and the wound. The wings of the pressure dressing will be out due to the size of the wound.

p. With the absorbent pad in place over the wound (tension hook facing up), after rotating the pressure dressing, press elastic wrap on to Velcro strip at edge of bandage to anchor it securely. Continue to wrap the pressure dressing as explained during the minor to moderate wound wrapping sequence until the dressing is secure. Apply direct pressure for at least 5 minutes. If the dressing becomes extremely hot to your touch, or the casualty complains of extreme pain at site of dressing, pour at least ¼ canteen of water onto the dressing.

q. The last step is to splint the leg and mark the forehead of the casualty with a "T" and note the



time and date the tourniquet was applied. **Do not** remove the tourniquet. The tourniquet is only to be removed by medical personnel.

3. For the treatment of a casualty with a burn to his left hand, utilizing the new individual first aid kit, follow these steps:
  - a. Determine severity of burn. This dressing is only necessary for second or third degree burns.
  - b. Open and remove the burn gel dressing from the package.
  - c. Pull the burn dressing apart so that it is fully extended.
  - d. Apply the burn dressing to the burnt area of the hand. If necessary, cut burn dressing to fit burned area.
  - e. Remove the gauze roll from packaging and loosely wrap the gauze around the hand to keep the burn dressing in place.
  - f. Continue to wrap the gauze around the wound until there is approximately 6"-8" of gauze overhang remaining.
  - g. Taking the gauze overhang and cut down the center of the gauze to the end so that you have two tails that will be used to secure the dressing.
  - h. Wrap the tails in opposite directions until there is enough of the tails remaining to secure the dressing with a square knot.
  - i. Once the burn dressing is in place, continue to monitor the casualty for signs of hypothermia and/or dehydration.



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