

Unit Objectives

- 1. Identify life-threatening conditions resulting from trauma including severe bleeding, low body temperature, and airway blockage
- 2. Apply correct life saving techniques
- 3. Provide basic first-aid care for non-life threatening injuries
- 4. Learn the basics of Triage



Treating Life-Threatening Conditions

- The "killers": Airway Obstruction, Excessive Bleeding, and Shock.
- Without treatment, severe bleeding and airway obstruction can quickly lead to death
- The first priority of CERT volunteers assisting in disaster medical operations is to attend to these conditions by:
 - Open the airway
 - Controlling bleeding
 - Treat for shock

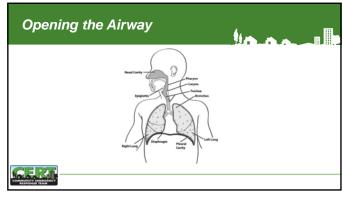


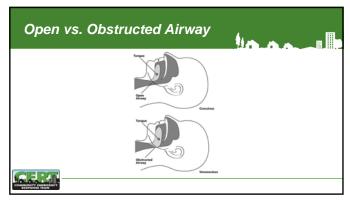
Safety Considerations
 Prior to treatment, ensure that both the patient and rescuer are in a safe environment to administer care
Some questions CERT volunteers to consider
- Do I feel safe at this spot?
-Should I leave and move to a safer location, or am I able to stay and start providing care immediately?
- If I leave, can I take anyone with me?
- Do I have what I need to treat the patient?

Approaching the Patient Be sure patient can see you Identify yourself Your name and name of your organization Request permission to treat, if possible Respect cultural differences Protect patient privacy

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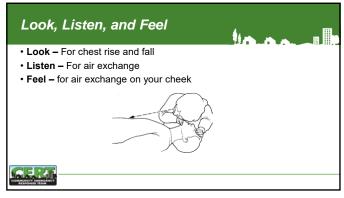
START = Simple Triage and Rapid Treatment - Victims sorted based on priority of treatment - Rapid treatment of injuries assessed GREATEST good for GREATEST number

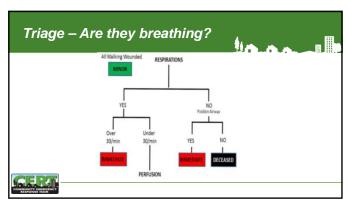




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1. Kneel above the patient's head 2. Put one hand on each side of the patient's head with the thumbs near the corners of the mouth pointed toward the chin, using the elbows for support 3. Slide the fingers into position under the angles of the patient's jawbone without moving the head or neck 4. Thrust the jaw upward without moving the head or neck to lift the jaw and open the airway





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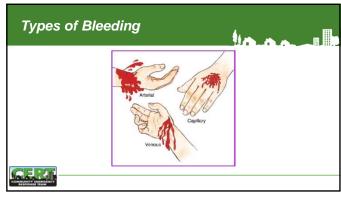
Recovery Position Body: Laid on its side Bottom Arm: Reached outward Top Arm: Rest hand on bicep of bottom arm Head: Rest on hand Legs: Bent slightly Chin: Raised forward Mouth: Pointed downward

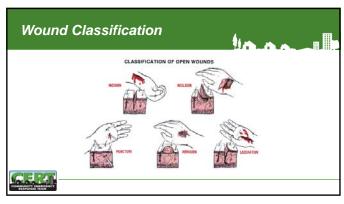
Life-Threatening Bleeding	lana	
Indicators of life-threatening bleeding: —Spurting/steady bleeding —Blood is pooling —Blood is soaking through over lying clothes —Blood is soaking through bandages —Amputation		
COMMUNITY IMPROPERTY RESPONSE TEAM		

Stage	s of	Seve	re Bleed	ding		la a	
	Stage	Blood Loss	Heart Rate	Blood Pressure	Breath Rate	Patient	
	1	Less than 15%	Normal (<100 bpm)	Normal	14-20	Patient appears normal	
		15%-40%	Fast (>100 bpm)	Slightly Low	20-30	Patient may feel anxious	
	ш	3016-4016	Very Fast (>120 bpm)	Low	30-40	Patient feels confused	
	IV	Greater than 40%	Critical (>140 bpm)	Critical	>35	Patient feels lethargic	
CEDE							
COMMUNITY EMERGENCY							

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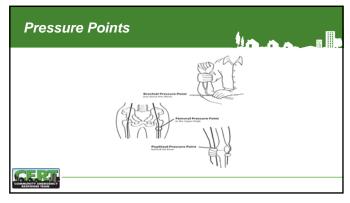
Types of Bleeding: Arteries transport blood under high pressure Blood coming from an artery will spurt Venous bleeding: Veins transport blood under low pressure Blood coming from a vein will flow Capillary bleeding: Capillaries also carry blood under low pressure Blood coming from capillaries will ooze





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Controlling Bleeding: Direct Pressure Step 1: Find the source(s) Step 2: Cover the source – gauze and wrap Step 3: Apply pressure – direct pressure Step 4: Maintain pressure until bleeding has stopped and elevate Step 5: Pressure point – arm, groin, and leg



Use direct pressure, elevation and pressure points to stop bleeding first If bleeding can't be stopped and getting professional treatment is delayed a tourniquet may be a viable option to save a person from bleeding to death Ideally use a medical grade tourniquet. Do not use materials like rope, wire, or string that can cut into the patient's flesh

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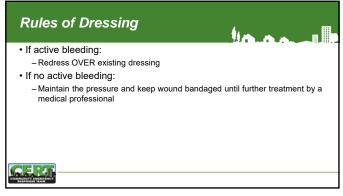
Controlling Bleeding: Tourniquets 1. Place the tourniquet between the wound and the heart (for example, if the wound is on the wrist, you would tie the tourniquet around the forearm). 2. Tie the piece of material around the limb. 3. Place a stick, pen, ruler, or other sturdy item against the material and tie a knot around the item, so that the item is knotted against the limb. 4. Use the stick or other item as a lever to twist the knot more tightly against the limb, tightening the bandage until the bleeding stops

Controlling Bleeding: Tourniquets
Tie one or both ends of the lever against the limb to secure it and maintain pressure.
Mark the patient in an obvious way that indicates that a tourniquet was used and include the time it was applied.
7. Do not loosen a tourniquet once it has been applied.
8. Only proper medical authorities should remove a tourniquet.
9. Monitor patient for symptoms of shock.



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In the absence of active bleeding, remove dressing and flush, check wound at least every 4-6 hours If there is active bleeding, redress over existing dressing and maintain pressure and elevation





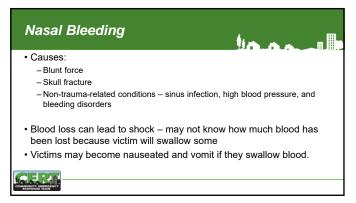
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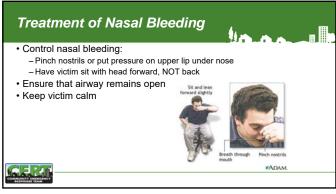
Impaled Objects When foreign object is impaled in patient's body: Immobilize affected body part Do not attempt to move or remove Try to control bleeding at entrance wound Clean and dress wound, making sure to stabilize impaled object





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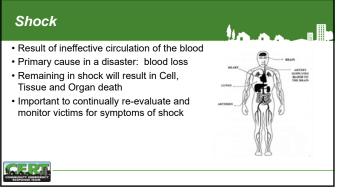


Amputations Control bleeding Clean wound Treat for shock Save tissue parts, wrapped in clean cloth and place in a plastic bag Keep tissue cool, but NOT directly on ice Keep severed part with the victim Tag Immediate during Triage!

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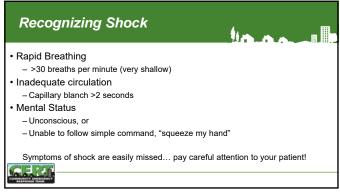


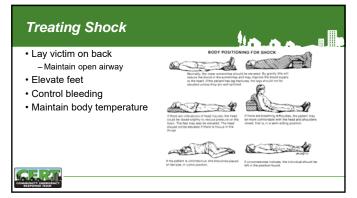




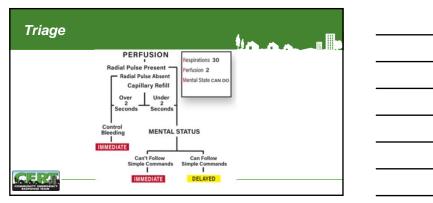
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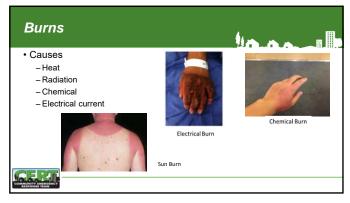
Shock Shock is often difficult to diagnose Main signs of shock: Rapid and shallow breathing Capillary refill of greater than two seconds Failure to follow simple commands, such as "squeeze my hand Symptoms of shock are easily missed. Pay careful attention to your patient





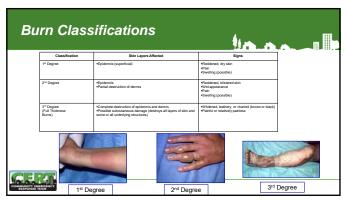
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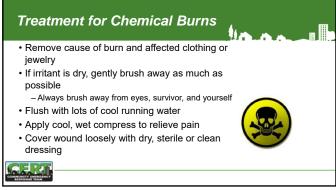






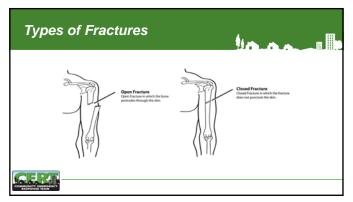
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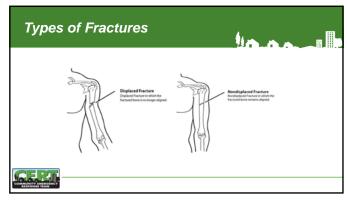






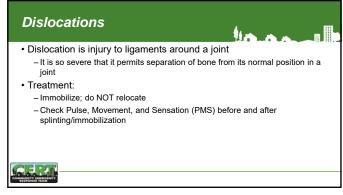
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