



## Lesson Plan: Bleeding Control for the EMS Provider

<b>Topic:</b>	Bleeding Control
<b>Presenter:</b>	West Michigan Regional Medical Consortium Education Staff
<b>Location:</b>	West Michigan Regional Medical Consortium CE Sponsor Locations
<b>Credit Category:</b>	Trauma
<b>License Level:</b>	MFR, EMT, EMT-S, EMT-P
<b>Credits:</b>	2
<b>Format:</b>	1 hour lecture, 1 hour practical

**Objectives:** At the conclusion of this CE session, participants will be able to:

### Cognitive

1. Differentiate between venous and arterial bleeding and be able to identify life-threatening bleeding.
2. Describe timeframes for exsanguination from a large arterial wound and discuss the importance of rapid bleeding control intervention.
3. Explain the importance of using a tourniquet to control life-threatening bleeding from an extremity wound.
4. Describe the benefit of using hemostatic gauze over sterile gauze to pack a wound.
5. Explain the importance of identifying torso (chest or abdomen) wounds.
6. Discuss the need for patients with torso wounds to be transported immediately to an appropriate trauma facility.
7. Describe the multiple uses of the Emergency Bandage (Israeli Bandage) to assist in controlling life-threatening bleeding through direct pressure.
- 8.

### Psychomotor

1. Demonstrate how to apply a CoTCCC approved, commercially available extremity tourniquet to the arm and leg.
2. Demonstrate how to pack a wound using sterile gauze or hemostatic gauze and apply pressure to control junctional bleeding.
3. Demonstrate how to control life-threatening bleeding from a junctional wound using the Emergency Bandage (Israeli Bandage) with and without wound packing.
4. Demonstrate how to apply a commercial chest seal in the prevention, management and treatment of open and/or tension pneumothorax.

### Affective

1. Appreciate the prevalence of trauma as a leading cause of death worldwide, and the significance of uncontrolled bleeding being the number 1 preventable cause of trauma death.

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### Outline for Lecture Presentation:

1. Introductions
2. History of Trauma
  - a. Trauma Prevalence
  - b. Uncontrolled Bleeding as Leading Cause of Preventable Trauma Death
3. Assessment – MARCH
4. Identifying Life-Threatening Bleeding
  - a. Extremity Wounds
  - b. Junctional Wounds
  - c. Chest and Abdominal Wounds
5. Direct Pressure
6. Tourniquets
  - a. Application
  - b. CoTCCC Approved Tourniquets
  - c. Improvised Tourniquets – Weaknesses
  - d. SAM XT
  - e. Key Points
  - f. Tourniquet Pain
  - g. Common Mistakes
7. Wound Packing
  - a. Techniques
  - b. Using Hemostatic Dressings
8. Emergency Bandage
  - a. Indications
  - b. Application
  - c. Special Considerations
9. Commercial Chest Seals
10. Skills Station #1 – Tourniquet Application
11. Skills Station #2 – Wound Packing
12. Skills Station #3 – Emergency Bandage
13. Skills Station #4 – Commercial Chest Seal
14. Summary and Questions

**Student Evaluation Method:** No formal evaluation of participants will occur.

**Evaluation of Presentation:** Standard Program Evaluation form will be filled out by participants.