

Michigan TRAUMA AND ENVIRONMENTAL

SOFT TISSUE AND ORTHOPEDIC INJURIES

Revised Date: 10/25/2017 Section 2-5

Soft Tissue & Orthopedic Injuries

- 1. Follow General Pre-hospital Care Protocol.
- 2. Control bleeding.
 - A. Utilize direct pressure.
 - B. Consider early tourniquet use (refer to Tourniquet Application Procedure).
 - C. Consider FDA <u>and</u> MCA approved hemostatic agents and hemorrhage control devices.
 - D. Consider use of pressure dressings with deep wound packing.
 - E. Consider pelvic binding for suspected unstable pelvic fracture.
- 3. If appropriate, maintain spinal precautions for patient per **Spinal Injury Assessment Protocol.**
- 4. Assess pain on 1-10 scale.
- 5. Immobilize/splint orthopedic injuries as appropriate.
 - A. Special Considerations
 - i. Consider traction splinting for femur fractures (excluding hip/femoral neck).
 - ii. Straighten severely angulated fractures if distal extremity has signs of decreased perfusion.
 - iii. Evaluate and document neurovascular status before and after splinting.
 - iv. Dress open fractures.
- 6. Partial/complete amputations
 - A. Control bleeding as above.
 - B. Cover wounds with sterile dressings moistened with sterile solution.
 - C. Splint extremity.
 - D. Recoverable amputated parts should be brought to hospital as soon as possible.
 - E. Wrap amputated part in sterile dressing moistened with sterile solution. Seal in a plastic bag and, if available, place bag in container of ice and water. DO NOT place part directly on ice.
 - F. Frequent monitoring of circulation, sensation, and motion distal to the injury during transport.
- 7. For severe crush injuries, refer to **General Crush Injury Protocol**.
- 8. Impaled objects are left in place and stabilized. Removal of impaled objects is only with approval of medical control.
- 9. Follow local MCA transport protocol.
 - 10. Provide pain management per Pain Management Procedure.
- 11. Consideration sedation per Patient Sedation Procedure.

MCA Name: St.Clair MCA MCA Board Approval Date: 05/22/2018 MCA Implementation Date: 07/22/2018 Protocol Source/References:

Page **1** of **2**



Michigan TRAUMA AND ENVIRONMENTAL SOFT TISSUE AND ORTHOPEDIC INJURIES

Initial Date: 5/31/2012
Revised Date: 10/25/2017
Section 2-5

Follow General Pre-Hospital Care Protocol.

Control bleeding

- Utilize direct pressure
- o Consider early tourniquet use (refer to **Tourniquet Application Procedure**).
- Consider FDA <u>and</u> MCA approved hemostatic agents and hemorrhage control devices
- Consider use of pressure dressings with deep wound packing.

If appropriate, stabilize cervical spine and immobilize patient per **Spinal Injury Assessment Protocol**.

Consider tourniquet use when applicable (refer to Tourniquet Application Procedure).

Immobilize/splint orthopedic injuries as appropriate

- Special Considerations.
 - Consider traction splinting for femur fractures (excluding hip/femoral neck).
 - Straighten severely angulated fractures if distal extremity has signs of decreased perfusion.
 - Evaluate and document neurovascular status before and after splinting.
 - o Dress open fractures.

Provide pain management per **Pain Management Procedure**.

For severe crush injuries, refer to **General Crush Injury Protocol**.

Impaled objects are left in place & stabilized. Removal of impaled objects is only with approval of medical control.

Contact Medical Control

Follow local MCA transport protocol.

Partial/complete amputations

- Control bleeding as above
- Cover wounds with sterile dressings moistened with sterile solution.
- Splint extremity.
- Recoverable amputated parts should be brought to hospital as soon as possible.
- Wrap amputated part in sterile dressing moistened with sterile solution. Seal in a plastic bag and, if available, place bag in container of ice and water. DO NOT place part directly on ice.
- Frequent monitoring of circulation, sensation, and motion distal to the injury during transport.

Paramedics, consider sedation per Patient Sedation Procedure.

MCA Name: St.Clair MCA

MCA Board Approval Date: 05/22/2018 MCA Implementation Date: 07/22/2018 Protocol Source/References: