

**MEHLVILLE FIRE PROTECTION DISTRICT  
EMERGENCY MEDICAL SERVICES  
GUIDELINES FOR PREHOSPITAL EMERGENCY CARE**

**SUBJECT: 800.09  
TRAUMA:  
CRUSH INJURIES**

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**Pre-Hospital Actions:**

1. Confirm prolonged entrapment (> 1 hour) of one or more full extremities by a crushing object (vehicle, building rubble, hanging in harness, etc).
2. Complete trauma assessment to evaluate patient for other injuries and treatments.
3. If extremity is accessible, check for decreased sensation, motor function, skin color and distal pulses.
4. Contact Medical Control prior to extrication if entrapment prolonged.
5. Pre-Extrication:
  - Apply oxygen via mask
  - Start large bore IV with Normal Saline x 2. Give 2 liter NS bolus, followed by 500 cc/hr.
  - Monitor cardiac rhythm.

**Medical Direction Options:**

  - Immediately prior to extrication, Sodium Bicarbonate, 2 mEq/Kg IV up to 100 mEq.
6. Extricate.
7. Post-Extrication:
  - Contact Medical Control.
  - Suspect hyperkalemia if T waves become peaked, QRS becomes prolonged (>0.12 sec) or hypotension develops.

**Medical Direction Options:**

  - Calcium Chloride 1Gm IV over 5 minutes for dysrhythmias.
  - Additional Sodium Bicarbonate.