## **Diabetic Emergencies**



090801





This form supersedes no other



This form supersedes no other

KBEMS Form 30 067 090801



Specific types of Heat Injury Management (in addition to the above)

This form supersedes no other

KBEMS Form 30 067 090801

## **Hypothermia**



See next page for localized injury

This form supersedes no other

KBEMS Form 30 067A 090801



This form supersedes no other

KBEMS Form 30 067A 090801

## Chest Pain



## **Abdominal Pain**



This form supersedes no other

KBEMS Form 30 071 090801

## **Respiratory Distress / Dyspnea**



This form supersedes no other

KBEMS Form 30 073 090801



This form supersedes no other

KBEMS Form 30 075 090801



This form supersedes no other

KBEMS Form 30 075A 090801



#### This Form supersedes no other

KBEMS Form 30 071 090801

![](_page_12_Figure_0.jpeg)

Consider possible causes and treat cause Hypovolemia -Drug overdose such as tricyclics, digitalis beta-blockers, calcium channel blockers -Hyperkalemia -Metabolic Acidosis -Respiratory Acidosis -Respiratory Acidosis -Hypoxia -Cardiac Tamponade -Tension pneumothorax -Hypothermia -Massive pumonary embolism

#### **Seizures**

![](_page_13_Figure_1.jpeg)

This form supersedes no other

KBEMS Form 30 079 090801

![](_page_14_Figure_0.jpeg)

This form supersedes no other

KBEMS Form 30 081 090801

## **Burns**

![](_page_15_Figure_1.jpeg)

This form supersedes no other

KBEMS Form 30 083 090801

# **Burn Care**

#### FLAME OR SCALDS

cool with saline soaks for 10 - 15 min. if your arrival time is less than 30 min. post burn cover with dry sterile sheets after the cooling

- DO NOT allow burn patient to become chilled or shiver

#### ELECTRICAL BURNS

Take spinal precautions
 cover open wounds with dry sterile sheets
 assess for extremity fractures and entrance and exit wounds

#### TAR BURNS

cool with saline soaks for 10 – 15 min. if your arrival time is less than 30 min. post burn
cover with dry sterile sheets
DO NOT allow burn patient to become chilled or shiver

CHEMICAL

 Flush with water for 20 min.
 phosphorus and lime burns are exceptions to water flush – brush off chemical

#### **CRITIERIA FOR CRITICAL BURNS**

Second degree > 30% BSA

Third degree > 10% BSA

Involve the face, hands, feet, or genitalia
 Involving the respiratory tract

- Associated with major soft tissue damage
  - Associated with fractures
    - Electrical burns
    - HF acid burns

DEPTH OF A BURN -The depth of tissue damage due to burn is largely dependent on the temperature and duration of the thermal energy applied to the skin. Skin contact with heat caustic chemicals, radiation or electricity results in tissue destruction of variable degrees.

PARTIAL THICKNESS BURNS- First degree burns are superficial burns involving only the epidermis. The skin will be red and may be tender.

SECOND DEGREE BURNS-Involve the epidermis and part of the dermal layer. The skin will be red and blistered. Because sensory nerves are partially damaged, the patient will report extreme pain.

FULL THICKNESS BURNS-Third degree, full thickness burns destroy both layers of the skin. These burns will have a whitish or charred appearance and a tough, leathery feeling. Sensory nerves are destroyed in full thickness burns, therefore, all sensation is lost in the burned area.

EXTENTS OF BURN-Various methods are available to determine the extent of the burn surface. The "Rule of Nines" is the most universal guide to make an initial estimate.

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_1.jpeg)

## Pre-hospital Stroke Screen

Signs and Symptoms altered mental status impaired speech (aphasia or dysarthia) confusion/agitation uncoordinated movements/gait disturbance severe headache one-sided weakness (hemiparesis) one-sided paralysis (hypertension) hypertension lethargy/stupor/coma seizures vision disturbances unevenly dilated pupils

## Have pt perform following activities

Have pt look up at you, smile, and show his/her teeth Facial droop present YES\_\_\_ NO\_\_\_\_

Have pt lift arms up and hold them out with eyes closed for ten seconds
Arm Drift YES\_\_\_\_ NO\_\_\_\_

Have pt say "you can't teach an old dog new tricks". Abnormal/slurring of speech YES\_\_\_ NO\_\_\_

If yes to one or more treat pt per CVA algorhythm

This form supersedes no other

![](_page_19_Figure_0.jpeg)

### **Chest Injuries - Trauma**

KBEMS Form 30 087 090801

## **CHEST INJURIES S / S & TREATMENT**

![](_page_20_Figure_1.jpeg)

- 4. Hematemesis
- 5. Chest deformity
- 6. Signs and symptoms of shock

#### **CHEST INJURIES S / S & TREATMENT**

**Myocardial Contusion** 

ADULT

Traumatic Aortic Rupture

- 1. Complete general management
- 2. When monitoring ECG, be especially observant for arrthymias which may result from myocardial injury
- s/s
- 1. Chest pain
- 2. Dyspnea
- 3. Arrhythmias
- 4. Brusing over chest
- 5. There may be tachycardia, irregular and/or weak pulse

1. Complete general management Tramatic Aortic Rupture usually results from deceleration or blunt trauma. One third to one half of patients with an aortic rupture may have no signs of chest trauma. S/s

- 1. Upper-extremity hypertension with diminished lowerextremity pulses
- 2. Retrosternal or intrascapular pain
- 3. Dyspnea from tracheal compression and deviation
- Stridor or hoarseness from compression of the recurrent laryngeal nerve

Larynx / tracheobronchial Tree Injuries

 Complete general management Consider transtracheal jet insufflation Consider cricothyrotomy If unable to perform these procedures instruct the patient to breathe slowly. Slow breaths create less negative pressure on the walls of the trachea; thus ther is less chance the trachea will close completely.
 Decompress tension pneumothoras as indicated 50% of deaths from these injuries occur within one hour s/s
 Pneumothorax may develop into tension pneumothorax
 Hemoptsis
 Dyspnea
 Subcutaneous emphysema
 Cyanosis

#### Precautions:

1. Unnecessary time should not be spent at the scene attempting to "stabilize" chest injuries when transport time is short

8. Hamman's sign-crunching sound heard with each heart beat during auscultation of the heart

- 2. Do not be "blind" to the relative contraindication of the use of the PASG in injuries above the diaphragm. In certain instances, it may definitely be indicated and appropriate
- 3. Most major trauma to the chest requires your consideration to accompanying cervical and
- thoracic spine injury so extricate with C-collar and spine board.
- 4. In the smaller and rural communities, many major chest injuries will require inter-hospital transfer to the nearest facility with cardiopulmonary specialists following stabilization thus another reason to move efficiently and expitiously on the scene
- 5. A hemothorax rarely causes tension and should not be evacuated in the field. It may be tamponading a vessel otherwise uncontrollable.

This form supersedes no other

KBEMS Form 30 087 090801

![](_page_22_Figure_0.jpeg)

KBEMS Form 30 089 090801

## **Head Injuries**

![](_page_23_Figure_1.jpeg)

This form supersedes no other

KBEMS Form 30 091 090801

# **Spinal Trauma**

![](_page_24_Figure_1.jpeg)

KBEMS Form 30 093 090801

## **Multiple Systems Trauma**

![](_page_25_Figure_1.jpeg)

<sup>090801</sup> 

![](_page_26_Figure_0.jpeg)

# **Orthopedic Injuries**

#### **Fracture Immobilization Procedure**

- Angulated long bone fractures should be straightened.
- Injuries involving joints should be splinted in the position found unless there is neurovascular compromise. You may then attempt to straighten the extremity one time.
  - Consider using MAST for multiple fractures involving the lower extremities.
    - Immobilize the extremity before moving the patient whenever possible.
      - Immobilize joints above and below the fracture site.
  - Too much traction can distract fractures and compromise circulation. If neurovascular function is diminished or lost following application of traction, gently release traction until circulation is restored.

#### **Care of Amputated Part**

- Rinse part gently with normal saline to remove loose debris; do not scrub
- Wrap amputated part in gauze moistened with saline and transport with patient.
  - Place wrapped part in plastic bag and seal with tape (do not immerse part in water/saline). Label with name, date and time.
- For long transport, wrap amputated part as listed above and keep cool. Place in cooler with cold pack or ice, but not in direct contact with ice.

#### **Orthopedic Emergencies**

- Open Fractures
- Long bone fractures with joint dislocation.
- Fracture with neuro-vascular embarrassment that is irreversible in the field.
  - Fractures with large blood loss or associated serious injury.
    - Absent pulses distal to the fracture site.

This form supersedes no other

KBEMS Form 30 099 090801

![](_page_28_Figure_0.jpeg)

# **Drowning or Near Drowning**

#### **Drowning and Near Drowning**

#### Considerations

- Scene assessment should include the following:
  - 1. Submersion time
  - 2. Water surface temp. and depth if possible
  - 3. MOI
  - 4. Type of clothing or floatation device
  - 5. Location victim last scene
  - 6. Time of last meal/fluids ingested
- If shocks are to be given, dry patient as much as possible before administration
- Resuscitation should be considered if submersion has been < 2 hrs. and if water temp. is < 70 degrees
- For every 10-ft. change in water depth may result in a 2-degree change in water temp.
- Any patient with significant submersion accident should be transported due to possible aspiration, pulmonary edema or pulmonary complications

This form supersedes no other

![](_page_30_Figure_0.jpeg)