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ALS STANDING ORDERS:

1. For any burn injury occurring in an enclosed space or with heavy smoke generated at the site:

BURN (THERMAL, ELECTRICAL, CHEMICAL) - ADULT/ADOLESCENT

- ▶ High flow oxygen by mask as tolerated (Pulse oximetry may be inaccurate with smoke inhalation).
- 2. Apply cooling measures if burn still "hot".
- 3. For wheezing or suspected smoke inhalation:
 - ▶ Albuterol, Continuous nebulization of 6.0 mL (5 mg) concentration as tolerated.
- 4. For pain:
 - ► Morphine sulfate 5 mg (or 4 mg carpuject) IV, may repeat once.
- 5. For blood pressure ≤ 90 or signs of shock
 - Establish IV access in non-burned area of skin
 - ▶ Infuse 250 mL Normal Saline bolus, may repeat up to maximum 1 liter to maintain adequate perfusion.
- 6. Contact Base Hospital for Burn Unit destination if any of the following major burn criteria are met:

Mechanism of Injury:

- Suspected inhalation injury (patients burned in an enclosed space, patients with facial burns, hoarseness, dyspnea, soot in mouth, carbonaceous sputum, singed nasal hairs).
- High voltage/electric burns (including lightning injury).
- Chemical burns (including acids and bases).

Physiological alteration:

- Burns that involve the face, hands, feet, genitalia, perineum, or major joints.
- Circumferential burns.
- Patients with a pre-existing medical condition that may complicate management or prolong recovery (e.q. diabetes, renal failure, cardiac or pulmonary disease).

Total Burn Surface Area (TBSA):

Second or third degree burns >10% total body surface area (TBSA) in any age group.

GUIDELINES:

Suspected carbon monoxide poisoning (closed space burn, smoke inhalation, chemical fires):

Pulse oximetry O₂ saturation will be inaccurate due to inability of pulse oximeter to differentiate between carbon monoxide and oxygen molecule.

Chemical burns:

Approved:

- → Brush away any remaining dry chemical.
- → Irrigate burn wound and surrounding skin with copious and continuous water or saline flush to dilute and remove as much residual chemical as possible.
 - o NOTE: Some chemicals are activated by water and might worsen the burn or create hazardous fumes; e.g., sodium, phosphorus, acetyl bromide, aluminum carbide, silicon tetrachloride.

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Electrical Burns:

- → Electrical burns may often appear insignificant while causing marked muscle and soft tissue damage. Cardiac irritability may occur with electrical burns.
- → High voltage, greater than 110 volt, alternating current burn victims should be transported with ALS escort and cardiac rhythm monitoring.