



# Yolo County Emergency Medical Services Agency

## Protocols

Revised Date: May 1, 2024

### BURNS

#### Adult

#### Pediatric

#### Burn Triage Criteria

- Partial or full thickness (2<sup>nd</sup> and 3<sup>rd</sup> degree) burns > 15% of the Total Body Surface Area (TBSA)
- Partial or full thickness (2<sup>nd</sup> and 3<sup>rd</sup> degree) burns involving 10% of the TBSA with any of the following:
  - > 60 years of age
  - Associated trauma meeting trauma triage criteria
  - Significant co-morbidities (e.g., COPD, major medical disorder, bleeding disorder, anticoagulant therapy, or dialysis)
- Partial or full thickness (2<sup>nd</sup> and 3<sup>rd</sup> degree) burns to face, perineum, hands, or circumferential burn to any body part
- Electrical injuries with voltage in excess of 600 volts
- Chemical burns with wounds > 5% TBSA
- Burn patients with airway compromise, wheezing, stridor, carbonaceous sputum, nasal singeing, or significant facial edema

### BLS

- Assess vital signs
- O<sub>2</sub>, titrate SpO<sub>2</sub> to  $\geq 94\%$
- CPAP if indicated
- Assist ventilations as needed
- For burns  $\leq 30\%$  and in the absence of immediate life threats:
  - Initiate or continue cool running water to the burn area to immediately stop burning.
  - It is optimal to have 20 minutes of cool running water (20CRW) prior to transport.
  - If this is not possible, notify ED staff of the total time of 20CRW that was completed.
  - Irrigation water does not need to be sterile; simple household sources are acceptable.
- When 20CRW is completed or if unable to be completed, cover wound(s) with sterile, dry dressing
  - Do not apply any other burn dressing product on the wound(s).
- Remove all jewelry and constricting items (rings, watches, necklaces etc.)



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### ALS

Cardiac Monitor, Waveform EtCO<sub>2</sub>, Vascular Access

#### Fluid Bolus NS 250 mL IV/IO

- May repeat as needed

#### Wheezing

#### Albuterol 5 mg Nebulized

- May repeat x 1

#### And

#### Ipratropium 500 mcg Nebulized

- No repeat

#### Fluid Bolus NS 20 mL/kg IV/IO

- Titrate to age appropriate SBP

#### Wheezing

#### Albuterol 5 mg Nebulized

- May repeat x 1

#### And

#### Ipratropium 500 mcg Nebulized

- No repeat

### Consider

- Consider early endotracheal intubation in adult burn patients showing signs of severe respiratory compromise, wheezing, stridor, carbonaceous sputum, nasal singeing, or significant facial edema
- Patients with evidence of burns to head, face, throat or chest should be transported with the head of the gurney elevated 30°
- Consider pain management
- Assume airway involvement with chemical burns and fires in enclosed spaces

### Direction

- Patients meeting burn triage criteria shall be transported to a burn receiving center
- Contact Base Hospital for additional treatment

### Rule of 9's

