Sierra – Sacramento Valley EMS Agency Treatment Protocol	T-5 (LALS)
Burns	
Approval: Troy M. Falck, MD – Medical Director	Effective: 10/01/2026
Approval: John Poland – Executive Director	Next Review: 04/2029

Important Notes

- 20CRW = 20 Minutes of Cool Running Water, which is the recommended initial treatment for burns involving <30% total body surface area (TBSA). It helps stop the burning process, reduce pain, limit tissue damage, & improve healing outcomes. Avoid cold water in small children to prevent hypothermia. Avoid ice.

BLS

Initial Actions:

- Stop the burn & remove clothing/jewelry (as applicable)
- Assess V/S, including SpO_2
- If signs/symptoms of inhalation injury (singed nasal hairs, hoarseness, carbonaceous sputum):
  - High-flow O_2
  - Manage airway as appropriate

Secondary Actions:

- For thermal burns <30% TBSA, & in the absence of life-threatening injuries, cool with 20CRW
- Estimate % TBSA burned & severity
- Cover burns with dry sterile dressings, burn sheets, or loose clear plastic wrap
- Maintain normothermia

LALS

- Cardiac monitoring **(AEMT II)**
- Consider $EtCO_2$ monitoring as indicated **(AEMT II)**
- Consider early advanced airway if evidence of inhalation injury or compromised respiratory effort
- If wheezes are present:
  - **Albuterol:** 5 mg in 6 mL NS via HHN, mask, or BVM
- Refer to applicable Pain Management Protocol (M-8 LALS/M-8P LALS) for pain management treatment
- **IV/IO – NS/LR (Note: IO authorized for pediatric pts only)**
  - Initial fluid resuscitation for pts with >9% partial thickness (2^{o}) or full thickness (3^{o}) burns:
    - ≤5 yo: 125 mL/hr
    - 6 - 13 yo: 250 mL/hr
    - ≥14 yo: 500 mL/hr
  - If pt is hypotensive, refer to applicable General Medical Treatment Protocol (M-6 LALS/M-6P LALS) for fluid resuscitation guidelines

SEE PAGE 2 FOR PT TRANSPORT DESTINATION DIRECTION & BURN CHART REFERENCE

Burns

PT TRANSPORT DESTINATION DIRECTION

Does pt meet Field Trauma Triage Criteria (Protocol T-1 LALS)?

YES → Refer to General Trauma Management Protocol T-1 (LALS) for destination direction

NO

Does pt meet the following criteria?

- Transport time ≤45 mins to a Burn Center, manageable airway, hemodynamically stable, & one (1) or more of the following:
  - >9% partial thickness (2°) burns
  - Any full thickness (3°) burns
  - Burns involving the face, hands, feet, genitalia, perineum, or joints
  - Inhalation injuries
  - Electrical, lightning, or chemical burns

YES → Transport to Burn Center

NO

Contact the closest base/modified base hospital for destination direction

BURN CHART