

COUNTY OF SAN DIEGO EMERGENCY MEDICAL SERVICES
 POLICY / PROCEDURE / PROTOCOL

Number S-170
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SUBJECT: PEDIATRIC TREATMENT PROTOCOL
 BURNS

Date 07/01/2021

BLS

ALS

<ul style="list-style-type: none"> • Move to a safe environment • Break contact with causative agent • Ensure patent airway, O₂, and/or ventilate PRN • O₂ saturation PRN • Treat other life-threatening injuries • Carboxyhemoglobin monitor PRN, if available <p>Thermal burns</p> <ul style="list-style-type: none"> • For burns of <10% BSA, stop burning with non-chilled water or saline • For burns of ≥10% BSA, cover with dry dressing and keep patient warm • Do not allow patient to become hypothermic <p>Toxic inhalation (e.g., CO exposure, smoke, gas)</p> <ul style="list-style-type: none"> • Move patient to safe environment • 100% O₂ via mask • Consider transport to facility with hyperbaric chamber for suspected CO poisoning, particularly in unconscious or pregnant patients <p>Chemical burns</p> <ul style="list-style-type: none"> • Brush off dry chemicals • Flush with copious amounts of water <p>Tar burns</p> <ul style="list-style-type: none"> • Do not remove tar • Cool with water, then transport 	<ul style="list-style-type: none"> • Monitor/EKG • IV/IO SO • Capnography SO PRN • Treat pain per Pain Management Protocol (S-173) <p>Patients with >10% partial-thickness or >5% full-thickness burns</p> <ul style="list-style-type: none"> • Fluid bolus IV/IO per drug chart SO then TKO SO <p>Respiratory distress with bronchospasm</p> <ul style="list-style-type: none"> • Albuterol per drug chart via nebulizer* SO, MR SO <p>Respiratory distress with stridor</p> <ul style="list-style-type: none"> • Epinephrine 1:1,000 per drug chart (combined with 3 mL normal saline) via nebulizer SO, MR x1 SO <p>If not improved after epinephrine via nebulizer x2 or impending airway compromise</p> <ul style="list-style-type: none"> • Epinephrine 1:1,000 per drug chart IM SO, MR x2 q5 minutes SO
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***Infection control:** If concerned about aerosolized infectious exposure, substitute with albuterol MDI, if available

Contact UCSD Base Hospital for patients meeting burn center criteria[†]
 See Base Hospital Contact/Patient Transportation and Report (S-415)

†Burn center criteria

Patients with burns involving

- >10% BSA partial thickness or >5% BSA full thickness
- Suspected respiratory involvement or significant smoke inhalation
- Circumferential burn injury or injury to face, hands, feet, or perineum
- Electrical injury due to high voltage (>120 volts)