



## PEDIATRIC BURNS

**Effective:** May 20, 2021  
**Replaces:** April 27, 2017  
**Review:** May 20, 2023

### 1. BLS Treatment

- 1.1. Routine Medical Care – Pediatric **(700-S05)**
  - 1.1.1. **Oxygen** – titrate as appropriate
- 1.2. If patient has an unsecured airway, transport to the closest hospital (**Policy 602**)
- 1.3. Stop the burning process with water (Do not use ice packs)
- 1.4. Expose and examine the patient for all burned areas
  - 1.4.1. Do not remove clothing, jewelry or tarlike substances **if** stuck to the patient's body
- 1.5. Estimate the severity of the burns using the pediatric ABA classification or "rule of 9's"
- 1.6. Protect against hypothermia
  - 1.6.1. Dry sterile dressings or burn dressings for any burns 10% or greater total body surface area (TBSA)
  - 1.6.2. Moist dressings are permitted for small burns 10% or less TBSA
  - 1.6.3. Maintain patient body temperature with sheets, blankets and/or ambient temperature to prevent hypothermia
- 1.7. If patient meets burn center criteria, transport to the burn center (**Policy 605**)
- 1.8. Assess for associated trauma and treat accordingly **(700-P16)**

### 2. ALS Treatment

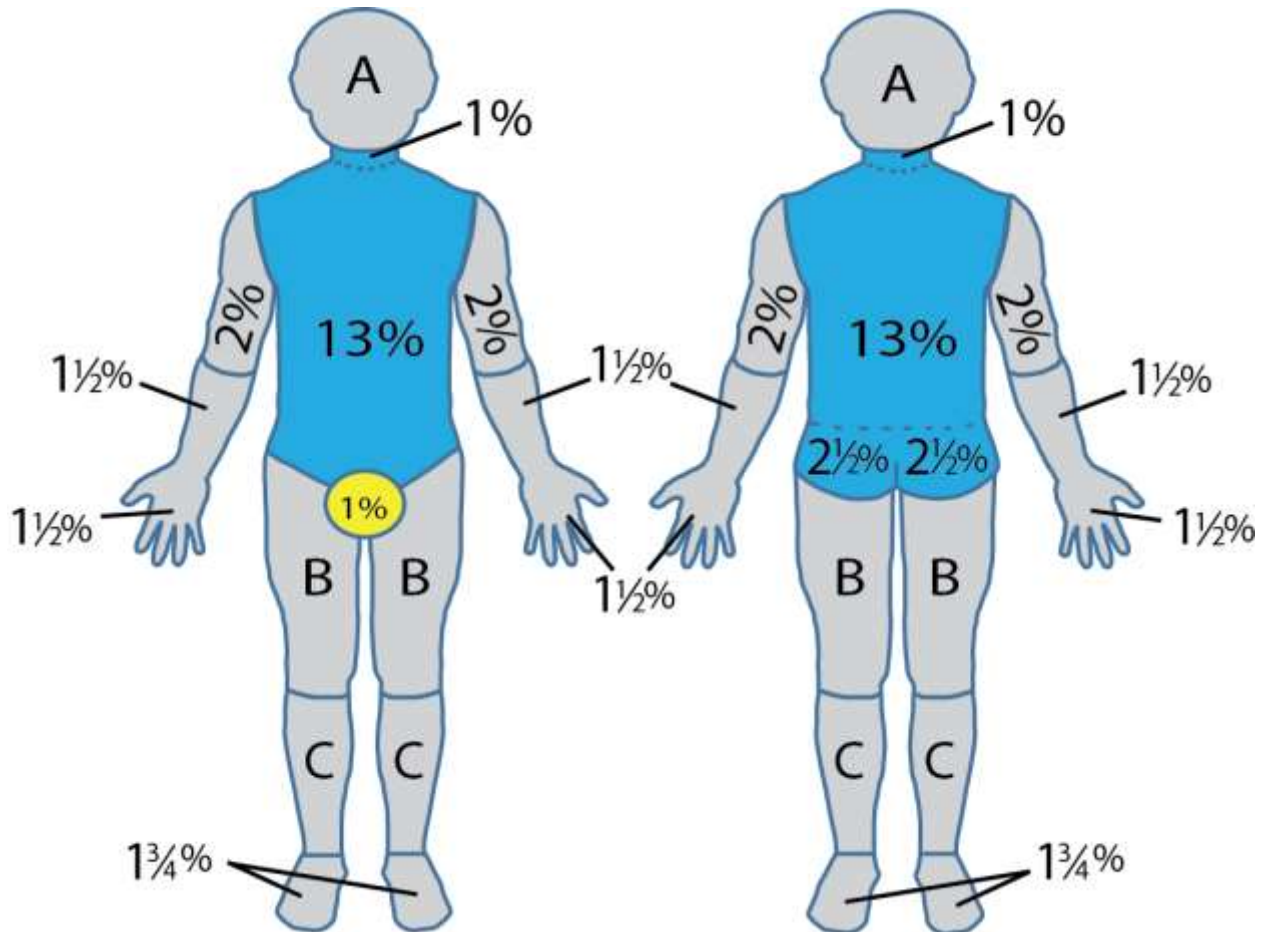
- 2.1. Assess for inhalation injury and be prepared to intubate early
- 2.2. **Vascular Access (IV) or (IO)**, TKO
  - 2.2.1. Consider **20ml/kg Fluid bolus**, may repeat to a max of 500ml
- 2.3. Consider pain management
  - 2.3.1. **Morphine 0.1mg/kg IV / IO**, max single dose of 5mg, may repeat once, max10mg
  - 2.3.2. **BASE CONTACT**: if additional Morphine above 10mg is needed

### 3. Special Considerations

- 3.1. Liquid chemical burns:
  - 3.1.1. Flush immediately with copious amounts of water for 20 minutes
- 3.2. Dry chemical burns:
  - 3.2.1. Brush powder off skin, then flush with copious amounts of water or saline, try to identify the chemical if safe



4. Pediatric – Rule of Nines



AREA	NEONATE	1 YEAR	5 YEARS	10 YEARS	15 YEARS
A= 1/2 OF HEAD	9 1/2	8 1/2	6 1/2	5 1/2	4 1/2
B= 1/2 OF ONE THIGH	2 3/4	3 1/4	4	4 1/2	4 1/2
C= 1/2 OF ONE LEG	2 1/2	2 1/2	2 3/4	3	3 1/4