

POLICY: 555.81  
TITLE: Burns - Pediatric

EFFECTIVE: 7/1/2018  
REVIEW: 7/2023  
SUPERCEDES:

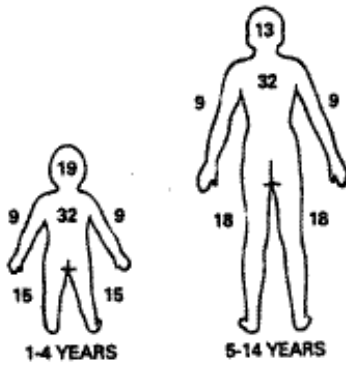
APPROVAL SIGNATURES ON FILE IN EMS OFFICE

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## BURNS - PEDIATRIC

- I. AUTHORITY: Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9
- II. PURPOSE: To serve as a patient treatment standard of EMRs, EMTs, AEMTs and Paramedics within their scope of practice.
- III. PROTOCOL:

STANDING ORDERS	
MOVE PATIENT	To a safe environment
ASSESS	CAB
COOLING PROCESS	<p><u>Tar</u> Burns: Cool with water and transport. Do not attempt to remove tar.</p> <p><u>Thermal</u> Burns: Cool with water for up to 5 minutes to stop the burning process.</p>
OXYGEN	Oxygen delivery as appropriate.
SECURE AIRWAY/ INTUBATE	Consider EARLY placement of an I-Gel if ineffective ventilation/oxygenation, or if patient is unconscious. Otherwise, use the simplest effective method. A BLS airway with objective evidence of good ventilation and oxygenation is adequate and acceptable. Refer to Policy 554.00 – General Protocols.
IV/IO ACCESS	<p><b>Superficial burns:</b> TKO.</p> <p><b>Partial and full-thickness burns:</b> <math>0.5 \text{ ml} \times \text{patient weight in kg} \times \% \text{ burn} = \text{IV fluid per hour}</math>. If systolic BP less than length based tape target, give 20 ml/kg boluses until SBP reaches target. Reassess patient after each bolus.</p> <p>IV site in order of preference:</p> <ol style="list-style-type: none"> <li>1. unburned upper extremity, or external jugular</li> <li>2. unburned lower extremity</li> <li>3. burned upper extremity</li> <li>4. burned lower extremity</li> </ol>
MONITOR:	Treat rhythm as appropriate.
DRESS BURNS	Cover with dry dressing and keep patient warm.
PAIN MANAGEMANT	Refer to Pain Management Protocol 555.43
TRANSPORT	To nearest facility if patient is unstable (airway difficulty, hypotension) or according to Trauma Triage and Patient Destination Policy 553.25 if stable.



<u>Burn Area</u>	<u>Age in years</u>			
	<u>1</u>	<u>1-4</u>	<u>5-9</u>	<u>10-14</u>
Head	19	17	13	11
Neck	2	2	2	2
Anterior Trunk	13	13	13	13
Posterior Trunk	18	18	18	18
Genitalia	1	1	1	1
Upper Extremity (each)	9	9	9	9
Lower Extremity (each)	14.5	15.5	17.5	18.5

The patient's palm (hand minus fingers) is about 1% of the patient's body surface area.