

APPROVED: SIGNATURE ON FILE IN EMS OFFICE  
Executive Director

EFFECTIVE DATE: 01/01/2004

SUPERSEDES: \_\_\_\_\_

REVISED: \_\_\_\_\_

SIGNATURE ON FILE IN EMS OFFICE  
Medical Director

REVIEW DATE: 01/01/2009

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**BURNS - PEDIATRIC**

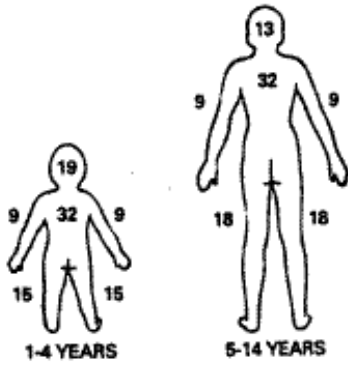
I. AUTHORITY: Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9

II. PURPOSE: To serve as the treatment standard for EMT-Is and EMT-Ps in treating patients.

III. PROTOCOL:

<b>STANDING ORDERS</b>	
<b>ABC's</b>	
<b>MOVE PATIENT PROCESS</b>	To a safe environment For decontamination instructions and transport with patient. <u>Tar</u> Burns: Cool with water and transport. Do not attempt to remove tar. <u>Thermal</u> Burns: Cool with water for up to 5 minutes to stop the burning process.
<b>OXYGEN SECURE AIRWAY/ INTUBATE</b>	If facial or oral swelling and respiratory depression are present, especially if the patient has a history of smoke exposure in a confined space. Ventilate with bag-valve or approved ventilator with 100% oxygen. Confirm placement with end-tidal CO <sub>2</sub> detector & esophageal detector device. <b>Continuous waveform capnography should be used in all intubated patients, if available.</b>
<b>IV/IO ACCESS</b>	<ul style="list-style-type: none"> <li>• Superficial burns: Consider Normal Saline TKO.</li> <li>• Partial and full-thickness burns: 0.5 ml x patient weight in kg x % burn = IV fluid per hour. If systolic BP less than Broselow Tape target, give 20 ml/kg boluses until SBP reaches target.</li> <li>• Reassess patient after each bolus.</li> </ul> IV site in order of preference: <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>
<b>MONITOR: DRESS BURNS MORPHINE:</b>	Treat rhythm as appropriate. Cover with dry dressing and keep patient warm. 1-2 mg IV slow push (if systolic BP above Broselow Tape target), then 1.0 mg increments slow IV, to relieve pain. May give up to 20 mg MS without Base Physician order.
<b>TRANSPORT</b>	To nearest facility if patient is unstable (airway difficulty, hypotension) or according to Trauma Triage and Patient Destination Policy 553.25 if stable.
<b>BASE PHYSICIAN ORDERS</b>	
<b>MORPHINE</b>	Additional Morphine per Base Physician Order

**Body Surface Area Chart Follows**



<u>Burn Area</u>	<u>Age in years</u>				
	<u>1</u>	<u>1-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15</u>
Head	19	17	13	11	9
Neck	2	2	2	2	2
Anterior Trunk	13	13	13	13	13
Posterior Trunk	18	18	18	18	18
Genitalia	1	1	1	1	1
Upper Extremity (each)	9	9	9	9	9
Lower Extremity (each)	14.5	15.5	17.5	18.5	19.5

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