



POLICY: 554.81
TITLE: Burns

EFFECTIVE: 04/10/19
REVIEW: 04/2024
SUPERCEDES:

APPROVAL SIGNATURES ON FILE IN EMS OFFICE

Burns

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 for EMRs, EMTs, AEMTs and Paramedics within their scope of practice.

III. PROTOCOL

STANDING ORDERS

MOVE PATIENT

To a safe environment

ASSESS

CAB

COOLING PROCESS

Tar Burns: Cool with water and transport. Do not attempt to remove tar.

Thermal Burns: Cool with water for up to 5 minutes to stop the burning process.

OXYGEN

Oxygen delivery as appropriate

**SECURE AIRWAY/
INTUBATE**

Consider EARLY intubation 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. Beyond BLS airway management refer to General Protocol 554.00

IV/IO ACCESS

Superficial Burns: TKO

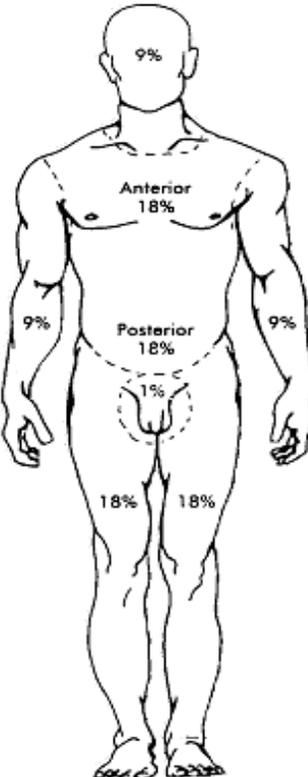
Partial and full-thickness burns: 0.5 ml times patient weight in kg times % of burn = IV/IO fluid per hour. If systolic BP less than 90mmHg, give 250 ml boluses until systolic BP 90-100. Reassess patient after each bolus.

Major Burns: Two 14-16 gauge IV/IO in patients with major burns (greater than 9%) TKO. If systolic BP less than 90mmHg, give 250 ml boluses to systolic BP 90-100. Reassess the patient after each bolus.

IV site in order of preference:

1. unburned upper extremity, or external jugular
2. unburned lower extremity
3. burned upper extremity
4. burned lower extremity

MONITOR	Treat rhythm as appropriate.
DRESS BURNS	Cover with dry dressing and keep patient warm.
PAIN MANAGEMENT	Refer to Pain Management Protocol 554.44
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>Adult Body Part</u>	<u>% of Total Body Surface</u>
Arm (shoulder to fingertips)	9 (x2)
Head/Neck	9
Groin	1
Leg	18 (x2)
Anterior trunk	18
Posterior trunk	18

The patient's palm (hand including fingers) is about 0.9% of the patient's body surface area.