

**COUNTY OF SACRAMENTO
EMERGENCY MEDICAL SERVICES AGENCY**



Program Document: **Shock**
Policy Number: 8038.15

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Signature on File
EMS Medical Director

Signature on File
EMS Administrator

Purpose:

- A. To establish the treatment standard for patients with signs and symptoms of shock (hypoperfusion).

Authority:

- A. California Health and Safety Code, Division 2.5
- B. California Code of Regulations, Title 22, Division 9

Notes:

- A. Shock exists any time there is inadequate perfusion of tissues to meet the metabolic demands of the body. Signs of shock include cool and/or moist skin, tachycardia, decreased sensorium, and generally low systolic blood pressure (SBP) of less than 90 mmHg.
- B. The evaluation of a patient in shock must include a search for its cause from one of the forms of shock:
 - 1. Hypovolemic
 - 2. Hemorrhagic
 - 3. Cardiogenic
 - 4. Neurologic
 - 5. Anaphylactic
 - 6. Septic
- C. In addition to the fluid resuscitation and transport noted below, treat any underlying cause as dictated by protocol.

Protocol:

BLS:

1. ABC's/ Routine Care- Supplemental O2 as necessary to maintain SPO2 > 94%. Use the lowest concentration and flow rate of O2 as possible.
2. Airway adjuncts as needed.
3. Warming measures, except with suspected fever.
4. Spinal immobilization (SMR) if necessary by protocol.
5. Control external bleeding.
6. Immobilize associated fractures (without delaying transport-may be done enroute)
7. Prepare for Immediate transport. Do not delay at the scene except in special circumstances, i.e. prolonged extrication.

ALS:

1. Establish vascular access with normal saline, and titrate to an SBP $\geq$ 90 mmHg.
2. Cardiac Monitoring.
3. Treat any underlying cause per policy as appropriate.

Cross Reference:

PD# 8001 – Allergic Reaction/Anaphylaxis
PD# 8002 – Diabetic Emergencies
PD# 8003 – Seizures
PD# 8004 – Suspected Narcotic Overdose
PD# 8015 – Trauma
PD# 8018 – Overdose and/or Poison Ingestion
PD# 8024 – Cardiac Dysrhythmias
PD# 8025 – Burns
PD# 8026 – Respiratory Distress
PD# 8044 – Spinal Motion Restrictions (SMR)
PD# 8065 – Hemorrhage
PD# 8067 – Sepsis/Septic Shock