

	<b>COUNTY OF SACRAMENTO</b> EMERGENCY MEDICAL SERVICES AGENCY	Document #	8038.14
	<u>PROGRAM DOCUMENT:</u>  <b>Shock</b>	Initial Date:	03/01/92
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 EMS Medical Director

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 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. Insulin Shock
  - 6. Anaphylactic
  - 7. Septic
- C. In addition to the fluid resuscitation and transport noted below, treat any underlying cause as dictated by protocol.

**Protocol:**

<b>BLS</b>
<ol style="list-style-type: none"><li>1. ABC's/ Routine Care- Supplemental O<sub>2</sub> as necessary to maintain SPO<sub>2</sub> ≥ 94%. Use the lowest concentration and flow rate of O<sub>2</sub> as possible.</li><li>2. Airway adjuncts as needed.</li><li>3. Warming measures, except with suspected fever.</li><li>4. Spinal immobilization (SMR) if necessary by protocol.</li><li>5. Control external bleeding.</li><li>6. Immobilize associated fractures (without delaying transport-may be done enroute)</li><li>7. Prepare for Immediate transport. Do not delay at the scene except in special circumstances, i.e. prolonged extrication.</li></ol>
<b>ALS</b>
<ol style="list-style-type: none"><li>1. Establish vascular access with normal saline, and titrate to an SBP ≥ 90 mmHg.</li><li>2. Cardiac Monitoring.</li><li>3. Treat any underlying cause per policy as appropriate.</li></ol>

**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