

	<b>COUNTY OF SACRAMENTO</b> EMERGENCY MEDICAL SERVICES AGENCY	Document #	8827.09
	<u>PROGRAM DOCUMENT:</u>  <b>12-Lead ECG</b>	Draft Date:	02/23/05
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 EMS Medical Director

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 EMS Administrator

**Purpose:**

- A. To serve as an advanced life support skill guideline for utilizing 12-Lead Electrocardiogram (ECG).

**Authority:**

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

**Indications:**

- A. Discomfort/Pain of Suspected Cardiac Origin in stable adult patients.
- B. Symptomatic Bradycardia per Cardiac Dysrhythmias policy, PD#8024.
- C. Symptomatic Tachycardia per Cardiac Dysrhythmias policy, PD#8024.
- D. Consider for Upper Abdominal Pain per Abdominal Pain policy, PD#8007

**Equipment:**

- A. Cardiac Monitor with 12-Lead capabilities
- B. Electrodes
- C. Skin preparation equipment

**Procedure:**

- A. Assemble the required equipment.
- B. Explain the procedure to the patient.
- C. Place the electrodes for a standard 12-Lead ECG.
- D. Obtain 12-Lead ECG and rhythm strip.

**Special Notes:**

- A. The most appropriate facility for hemodynamically stable patients (SBP > 90 mmHg) who have a 12-Lead ECG consistent with an acute myocardial infarction (MI) is a facility providing interventional cardiac catheterization services. Examples of 12-Lead ECG computer interpretations reading "ACUTE MI", "ACUTE MI SUSPECTED", "ST Elevation Criteria Met" or "STEMI" are accepted as consistent with an acute myocardial infarction.
- B. Hemodynamically unstable patients (SBP < 90 mmHg) shall be transported to the time closest facility providing interventional cardiac catheterization services.
- C. Patients should not have transport unduly delayed by attempts to obtain a 12-Lead ECG.
- D. All computer interpretations shall be relayed to the receiving facility prior to arrival.
- E. Copy of 12 Lead will be left at receiving facility.

Cross Reference: Discomfort/Pain of Suspected Cardiac Origin PD #2030  
Hospital Services PD #2060  
Cardiac Dysrhythmias PD #8024  
Abdominal Pain PD #8007