

	<b>COUNTY OF SACRAMENTO</b> EMERGENCY MEDICAL SERVICES AGENCY	<b>Document #</b>	<b>8827.10</b>
	<b>PROGRAM DOCUMENT:</b>	<b>Initial Date:</b>	<b>02/23/05</b>
	<b>12-Lead ECG</b>	<b>Last Approval Date:</b>	<b>11/01/16</b>
		<b>Effective Date:</b>	<b>11/01/18</b>
		<b>Next Review Date:</b>	<b>05/01/20</b>

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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 policy, PD#8030 in stable adult patients.

**Special Considerations:**

- A. Consider obtaining 12-Lead ECG for patients over forty (40) with the following symptoms:
  - Upper Abdominal Pain per Abdominal Pain policy, PD#8007
  - Diabetic patients
  - Symptomatic Bradycardia per Cardiac Dysrhythmias policy PD #8024
  - Symtomatic Tachycardia per Cardiac Dysrhythmias policy, PD #8024
  - Patients over seventy-five (75) years with atypical signs\* or symptoms of acute coronary syndrome (ACS).

Note \*Atypical ACS signs and symptoms include:

- Atypical chest pain, shortness of breath, nausea, hypotension, brady/tachydysrhythmias or syncope.

**Special Notes:**

- A. Patients should not have transport unduly delayed by attempts to obtain a 12-Lead ECG.
- B. All 12-lead ECGs consistent with an acute STEMI, shall be transmitted to the STEMI receiving facility. If the 12 lead is not transmitted, the reason must be documented in the ePCR.
- C. A copy of all 12-Leads obtained during prehospital care, shall be delivered to the receiving facility with the patient.
- D. 12-Lead ECGs may be transmitted to an ALS Base Hospital when requesting a medical consult for interpretation.
- E. 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.

Cross Reference: Discomfort/Pain of Suspected Cardiac Origin PD #8030  
Hospital Services PD #2060  
Cardiac Dysrhythmias PD #8024  
Abdominal Pain PD #8007