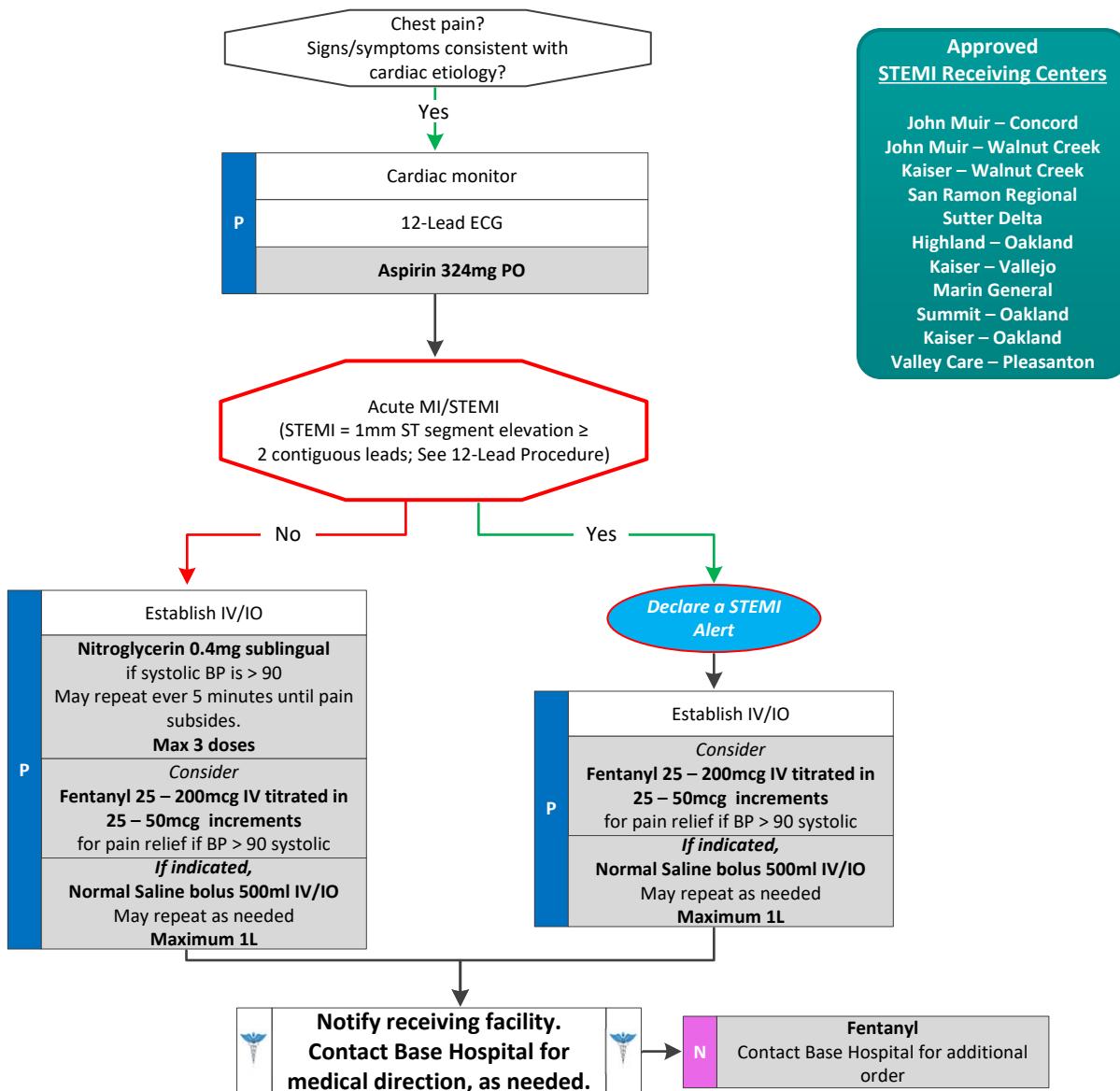


Chest Pain: Suspected Cardiac or STEMI

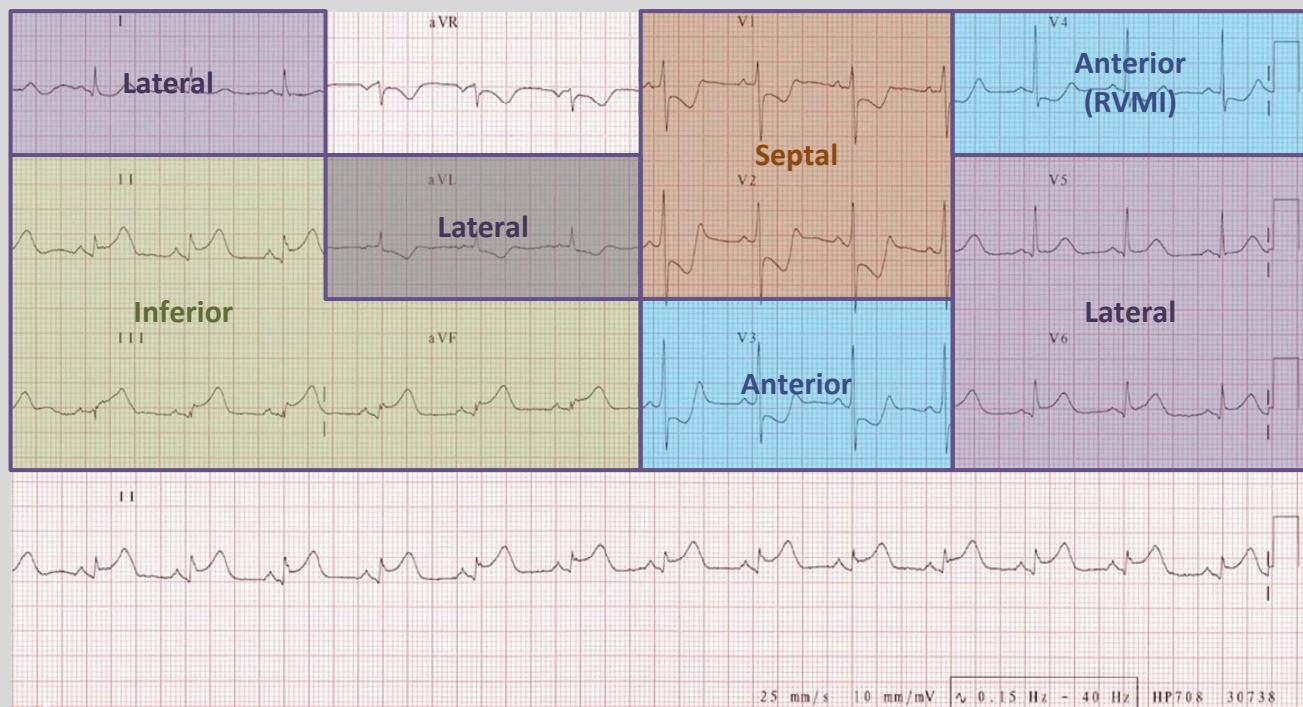
History	Signs and Symptoms	Differential
<ul style="list-style-type: none"> Age Medications (e.g. Viagra, Sildenafil, Levitra, Vardenafil, Cialis or Tadalafil) Past medical history (e.g. MI, angina, diabetes, or post menopausal) Allergies Recent physical exertion Provocation Quality (e.g. pressure, constant, sharp, dull, etc.) Region/Radiation/Referred Severity (0 – 10 scale) Time (onset/duration/repetition) 	<ul style="list-style-type: none"> Heart rate < 60 with associated hypotension, acute altered mental status, chest pain, acute CHF, seizures, syncope, or shock secondary to bradycardia Chest pain Respiratory distress Hypotension or shock Altered mental status Syncope 	<ul style="list-style-type: none"> Acute myocardial infarction Hypoxia Pacemaker failure Hypothermia Sinus bradycardia Athletes Head injury (elevated ICP) or stroke Spinal cord lesion Sick sinus syndrome AV blocks (e.g. 1°, 2°, or 3°) Overdose



Treatment Guideline AC08

Page 1 of 2

Chest Pain: Suspected Cardiac or STEMI

**Pearls**

- Avoid Nitroglycerin in any patient who has used Viagra (Sildenafil) or Levitra (Vardenafil) in the past 24 hours or Cialis (Tadalafil) in the past 36 hours due to the potential of severe hypotension.
- Patients with a STEMI should be transported to the closest most appropriate STEMI receiving center.
- Many STEMIs evolve during prehospital care and may not be noted on the initial 12-Lead ECG.
- An ECG should be obtained prior to treatment for bradycardia if patient condition permits.
- Transmit all 12-Lead ECGs whether STEMI is detected or not.
- If a patient has taken their own Nitroglycerin without relief, consider potency of medication. Provider maximum doses do not include patient administered doses.
- Monitor for hypotension after administration of nitroglycerin and opioids.
- Diabetics, geriatric, and female patients often have atypical pain, or only generalized complaints. Suspect cardiac etiology in these patients, and perform a 12-Lead ECG.
- Document the time of the 12-Lead ECG in the EHR as a procedure along with the interpretation.



Treatment Guideline AC08