

MISSION: Lifeline™



EMS Sub-group Update
October 20, 2010

2010 Goals

- ➔ **A process for pre-hospital activation and identification:**
- Define what will activate the STEMI response in our region.
 - Define name for activation
 - Define process for activation depending on point of entry and computer algorithm interpretation, EMS provider interpretation or wireless transmission/physician interpretation

STEMI Criteria:

Signs / Symptoms of Acute Coronary Syndrome (ACS)

----- **AND** -----

ST segment elevation of 1 mm or more in two contiguous leads

If both criteria are met then recommend activating the PCI Hospital

**If ST elevation inconclusive, isolated to V1-V2, or LBBB identified then
recommend consultation with physician at PCI Hospital prior to
activation**

Goal: Patient in the door and out the door < 30 minutes

EMS Medical Director Meeting July 2010

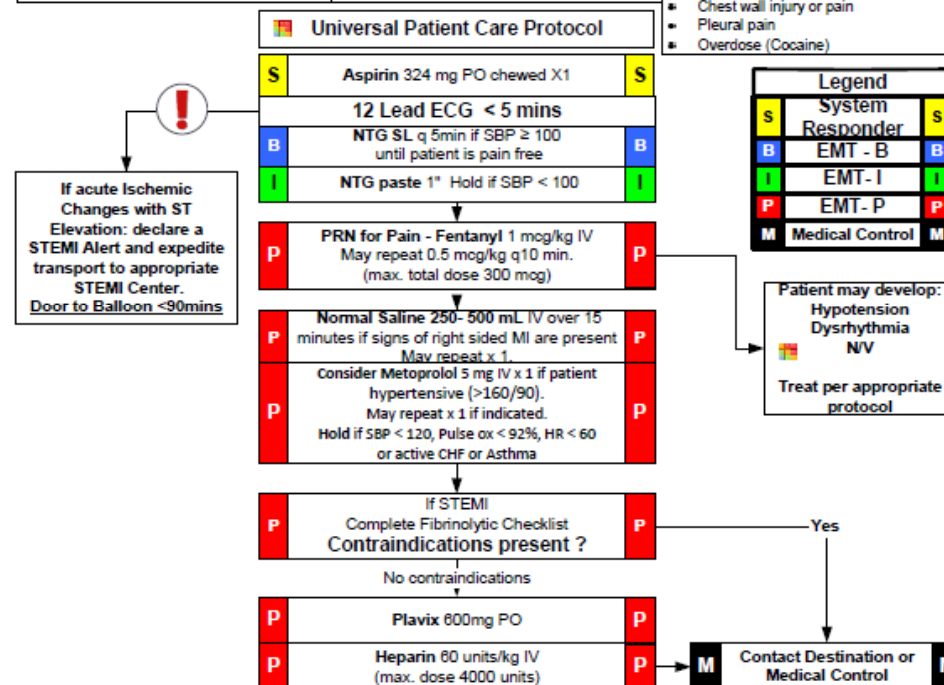
➔ Overview of M:L provided

➔ EMS Guideline discussed

DRAFT EMS Guideline

Chest Pain, Suspected Acute Coronary Syndrome

History <ul style="list-style-type: none"> Hypertension Hyperlipidemia Viagra, Levitra, Cialis Past medical history (MI, Angina, Diabetes, Post Menopausal) Family HX cardiovascular disease Recent physical exertion Smoker Stimulants 	Signs & Symptoms <ul style="list-style-type: none"> CP (pain, pressure, aching, vice-like tightness) Nausea, vomiting, dizziness Shortness of breath Pale, diaphoresis Location (substernal, epigastric, arm, jaw, neck, shoulder) Radiation of pain 	Differential <ul style="list-style-type: none"> Trauma vs. Medical Angina vs. Myocardial infarction Pericarditis Pulmonary embolism Asthma / COPD Pneumothorax Aortic dissection or aneurysm GI reflux or Hiatal hernia Esophageal spasm Chest wall injury or pain Pleural pain Overdose (Cocaine)
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- Pearls:**
- Do not administer 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 potential severe hypotension
 - Target: Contact to Balloon time is less than 90 minutes. If geography or hazards exists that would cause transport times to exceed 80 minutes - Consider Air Transport.
 - If patient has ECG changes, or is going directly to cardiac cath lab, establish a second IV if possible.
 - Monitor for hypotension and respiratory depression after administration of nitroglycerin, metoprolol and fentanyl.
 - Females, diabetics and geriatric patients often have atypical pain, or only generalized complaints.
 - Hypersympathetic state from amphetamine, cocaine or PCP use usually presents with sustained HR >120 bpm and HTN
 - If CP in setting of stimulants utilize benzodiazepine per Behavior Protocol

