

Cardiac Emergencies C-14 Chest Pain – STEMI

BLS and General Treatment
 Airway/Breathing/Circulation
 Determine degree of physiologic distress
 Obtain PQRST and attempt to ascertain cardiac origin
 Reassess vital signs frequently
 Early contact of receiving hospital

Oxygen – Titrate to SpO2 >95%

ASA 324mg PO chewable

Assist patient with taking their own NTG if there are no contraindications such as hypotension or PDE-5 inhibitors taken in last 48hrs

ALS Treatment

Cardiac Monitor/12 Lead EKG indicates STEMI or Suspected STEMI?

No
 Refer to C-9 Chest Pain – Non-Cardiac or C-10 Chest Pain – Cardiac

Yes
 2 IV's NS TKO – 16-18 gauge

Aspirin 324 mg PO
 If not given PTA by BLS responders

Nitroglycerin (NTG) 0.4 mg SL spray or tablet
 If no pain relief and SBP >100, repeat q 5 minutes to a max of 3 doses
 If inferior STEMI is suspected **OR** if SBP drops below 100 at anytime, **DO NOT** give NTG.

Caution
 Do not give NTG to patients that have taken PDE-5 inhibitors (Avanafil, Sildenafil, Tadalafil, Vardenafil, or equivalent) within the last 48 hours.

For ongoing chest pain
Morphine 2mg IV/IO/IM
 q 5 minutes to max dose of 8mg
OR
Fentanyl 25 mcg SLOW IV/IO/IM/IN
 q 5 minutes to max dose of 100 mcg
 Maintain SBP >100.
 Recheck vital signs and document before each dose of Morphine or Fentanyl.
 If SBP drops below 100 at anytime, **DO NOT** give Morphine or Fentanyl.

SOLANO EMS DESIGNATED STEMI RECEIVING CENTERS:

- NorthBay Medical Center, Fairfield
- Kaiser Permanente Hospital, Vallejo

Based upon the patient's location transport time, transport to the closest Solano County Designated STEMI Receiving Center.

No base contact is needed to transport to a known out-of-county STEMI receiving center if that center is closer than an in-county STEMI receiving center.
 Air transport may be appropriate for certain locations.

Transport to closest Designated STEMI Receiving Center. Notify SRC immediately.
 If ground transport is >45 minutes, consider utilizing an air ambulance.

Contact Base Physician for additional orders

DISRUPTED COMMUNICATIONS
 In the event of a "disrupted communications" situation where a base hospital physician CANNOT be contacted for orders, Solano County Paramedics may not utilize the portions of this protocol requiring base physician orders AND must transport to the closest receiving facility.