

ACUTE CORONARY SYNDROMES (ACS) ACUTE MYOCARDIAL INFARCTION

ECA PROVIDER/ALL PROVIDERS

- Ask patient to describe the pain utilizing the **O-P-Q-R-S-T** mnemonic
- Determine whether the patient (male or female) has taken erectile dysfunction medications such as Viagra, Levitra or Cialis within the last 24 hours.
- 12-Lead ECG acquisition **only** if appropriately trained

ADULT

EMT- BASIC PROVIDER

- **324 mg baby aspirin** if patient is >18 years old and no reported allergies to aspirin. Administer even if patient takes a daily dose
- Assist patient with prescribed nitroglycerin SL every 5 minutes, up to 3 doses, as long as symptoms persist and *SBP >100 mmHg*
 - Do **not administer nitroglycerin** if the patient (male or female) has taken erectile dysfunction medications within 24 hours.

EMT- INTERMEDIATE PROVIDER

- Vascular access and fluid therapy per *Resuscitation and Perfusion Core Principle*
 - **IV** access prior to nitrates is preferred if possible.

PARAMEDIC & PARAMEDIC/RN PROVIDER

- Obtain 12-lead – If ST Segment Elevation and history suggestive of MI, early notification and rapid transport to designated **STEMI Center (CODE STEMI)**
 - *When possible, obtain 12-lead prior to nitroglycerin therapy*
- **Normal Saline 250–1000 mL** IV over 15 minutes to increase preload if signs of a right sided MI are present.
- **Nitroglycerin 0.4 mg** SL every 5 minutes as long as symptoms persist with SBP >100 mmHg
- **Nitroglycerin Paste 2% 1”** applied to upper chest in conjunction with SL Nitroglycerin with SBP >100 mmHg
- **Morphine sulfate 2–10 mg (2 mg max increments, titrated to effect)** IV for persistent pain following nitroglycerin therapy if SBP remains >100 mmHg
- **Diazepam 5–20 mg (5 mg max increments, titrated to effect)** IV for significant anxiety unrelieved by Morphine if SBP >100 mmHg **or** for ACS and hypersympathetic state from amphetamine, cocaine or PCP use.

PEDIATRIC

EMT- BASIC PROVIDER

EMT- INTERMEDIATE PROVIDER

PARAMEDIC & PARAMEDIC/RN PROVIDER

- Contact On-line medical consultation