



Objectives:

- To assess and appropriately treat patients with chest pain or suspected acute myocardial infarction
- To eliminate patient's chest pain

General Information:

- Aspirin
 - EMT and AEMT may administer aspirin on standing orders
 - Even if patient has taken aspirin within one day, administer additional aspirin up to the maximum protocol directed dose
 - Patient should be directed to chew and swallow
 - Do not administer aspirin in the following cases:
 - Patient with history of GI bleeding or other bleeding disorders
 - Patient with history of recent surgery (Within 14 days)
 - Patients that have already recently taken maximum dose of aspirin prior to EMS arrival
 - Patients with sensitivity / allergy to aspirin
- Nitroglycerin
 - EMT and AEMT may administer nitroglycerin with physician order
 - Nitroglycerin should not be given to patients with a systolic blood pressure < 110mmHg without IV access
 - Nitroglycerin may be given every 5 minutes (after the initial three doses) with physician orders as long as the systolic blood pressure remains > 90mmHg
 - Sublingual should be given first, whenever possible; transdermal Nitro has a slower onset (> 30 minutes)
- Transdermal nitroglycerin
 - Should be administered if patient cannot tolerate SL nitroglycerin or if SL nitroglycerin fails to relieve pain
- Morphine (I and P only)
 - May be administered concurrently with nitroglycerin if pain is unresolved
 - May administer additional morphine if needed with physician order
 - Implement nausea / vomiting protocol as necessary
- If the patient has cocaine induced chest pain, physician may order Valium 5mg IV/IM



Warnings/Alerts:

- Do not administer nitroglycerin to patients who have taken sexually enhancing medications (Viagra, Levitra, Cialis) within the past 72 hours
- Be cautious of continued nitroglycerin Administration with a > 30mmHg systolic blood pressure drop
- Contact medical control prior to administering ASA if patient is on anticoagulant therapy (Heparin, Lovenox, Coumadin, Effient, Warfarin, Plavix, Paradaxa, Xarelto)

OMD Notes:

- May administer ASA if patient is taking anti thrombolytics (Aggrenox, Ticlid)
- Call medical control if patient has any history of prior sensitivity or allergic reaction to aspirin
- Do not delayed patient treatment to obtain a 12-lead EKG

Performance Indicators:

Chest pain scale 1 to 10

OPQRST assessment 12 lead EKG within 10 minutes

Vital signs after Drug Administration

Sexually enhancing drug use

Closest appropriate facility

Medication administration

