

AG10 Chest Pain/AMI/ACS

Objectives:

- To assess and appropriately treat patients with chest pain or suspected Acute Myocardial Infarction
- To eliminate patient's chest pain

General Information:

- Aspirin
 - a) EMT-Bs and EMT-Es may administer aspirin with physician orders
 - b) If patient has taken aspirin within 1 day, administer additional aspirin up to the maximum protocol directed dose
 - c) Patient should be directed to chew and swallow
 - d) Do not administer aspirin in the following cases
 - i) Patients with history of GI bleeding or other bleeding disorders
 - ii) Patients with history of recent surgery (within 14 days)
 - iii) Patients that have already recently taken maximum dose of aspirin prior to EMS arrival
 - iv) Patients with sensitivity/allergy to aspirin
- Nitroglycerin
 - a) EMT-Bs and EMT-Es may administer nitroglycerin with physician orders
 - b) Nitroglycerin should not be given to patients with a systolic blood pressure < 110 mmHg without IV access
 - c) Nitroglycerin may be given every 5 minutes (after the initial 3 doses) with physician orders as long as the systolic blood pressure remains > 100 mmHg
 - d) Sub Lingual should be given first, whenever possible; transdermal nitro has a slower onset (>30 minutes)
- Transdermal Nitroglycerin (I and P only)
 - a) Should be administered if patient cannot tolerate SL Nitroglycerin or if SL Nitroglycerin fails to relieve pain
- Morphine (I and P only)
 - a) May be administered concurrently with nitroglycerin if pain is unresolved
 - b) May administer additional morphine if needed with physician order
 - c) Implement Nausea/Vomiting protocol as necessary
- If the patient has cocaine-induced chest pain, physician may order Valium 5 mg IV/IM



Warnings/Alerts:

- Do not administer nitroglycerin to patients who have taken sexually-enhancing medications (ie. Viagra, Levitra or Cialis) within the past 72 hours
- Do not administer more than 3 nitroglycerin doses in a 15-minute time period
- Contact medical control if patient is on anticoagulant therapy (ie Heparin, Lovenox, Coumadin, Warfarin)

OMD Notes:

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

References:

AHA ACLS 2005 Provider Manual
Mosby's Paramedic Textbook, 3rd Edition, 2007 pg 1337
Brady Prehospital Emergency Pharmacology, 2005 pg 208

Performance Indicators:

Chest Pain Scale 1-10 MONA Administration Sexually Enhancing Drug Use OPQRST Assessment
12 Lead/EKG Monitor Vital Signs After Drug Administration

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