

ACUTE CORONARY SYNDROME GUIDELINES (Unstable Angina / Non Q-Wave MI)

Patients considered **high-risk** with one or more of the following:

- **Good Story**: Prolonged, ongoing rest pain (>20 min) suggestive of ischemia with known or high likelihood of CAD (e.g., extracardiac vascular disease/hyperlipidemia/HTN/DM)
- **Acute CHF**: Evidence of ischemia induced pulmonary edema/CHF
- **Significant ECG Changes**: New ST segment depressions >1mm, transient STsegment elevation, or new T-wave inversions in at least two contiguous leads
- **ECG Changes During Pain**: Transient hemodynamic or ECG changes during pain



Treatment Recommendations*:

- **Aspirin** 162mg chew/swallow
- **Continuous nitrate therapy** (topical / IV)
- MSO₄ IV if pain not relieved by nitrates
- **Heparin**
 - ◆ IV Heparin (bolus / infusion)^①
or
 - ◆ LMWH (Lovenox 1 mg / kg sub-q)
- **GP IIb - IIIa Inhibitors**
 - ◆ Integrelin (bolus / infusion)^②
or
 - ◆ Aggrastat (bolus / infusion)^②
- **Beta-Blocker**
 - ◆ Administer orally if no contraindications^③
 - ◆ Administer IV if no contraindications and persistent symptoms despite Nitrates / Heparin / GP Inhibitors^④
- **Add oral Calcium antagonist if:**^⑤
 - ◆ Persistent symptoms despite Beta-Blockade
 - ◆ Persistent symptoms and Beta-Blockade not tolerated
- **Consult Cardiology**
 - ◆ Emergent Cardiac Cath
 - ◆ Coronary Care Unit Admission



* Endorsed by the ACC, AHA, and ACEP

- ① Please refer to the Heparin Height/Weight Nomogram for dosing if no concomitant GP inhibitor use; 70 units kg bolus followed by 7 units / kg / hour infusion (max 800 units / hr) if used with GP inhibitor;
- ② Please refer to [specific drug nomogram](#) for dosing based on wgt / renal function
- ③ Atenolol 25 mg orally; repeat q12h; or Metoprolol 50 mg orally; repeat q12h
- ④ Atenolol 5 mg IV over 5 minutes; repeat in 10 minutes; then 50 mg orally if HR > 60; or Metoprolol 5 mg IV q10 minutes X 3 doses; then 50 mg orally if HR > 60
- ⑤ Diltiazem 30 - 60 mg orally q6h; or Verapamil 60 - 120 mg orally q8h