VCMC/SANTA PAULA HOSPITAL CLINICAL PRACTICE GUIDELINE
NSTEMI/UA

The contents of this Clinical Practice Guidelines are to be used as a guide. Healthcare professionals should use sound clinical judgment and individualized patient care. This CPG is not meant to be a replacement for training, experience, CME or studying the latest literature and drug information. Approvals: FM 7/14; P&T 9/14; Medicine 10/14; MEC 11/14

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**Diagnosis of UA/NSTEMI likely or definite**

- Give aspirin 162-324 mg PO/PR
  - Clopidogrel if aspirin intolerant (minimum 300 mg PO, 600 mg if going to PCI)
  - Statin, High dose (Atorvastatin 80 mg PO)
  - Beta blocker if no C.I. (Metopolol)

- Call interventional cardiologist and choose management strategy:
  1. Invasive: see Box 1
  2. Conservative

**Invasive strategy**

- Start anticoagulation with:
  1. LMWH 1 mg/kg subq q12h
  2. UFH 60 units/kg IV bolus, then 12 units/kg/hr (preferred if PCI is imminent)
  3. Fondaparinux 2.5 mg subq daily

- Prior to angiography initiate one or both*:
  1. Clopidogrel 600 mg PO
  2. IV GP IIb/IIIa Inhibitor (eptifibatide)**/+*

*Give both if delay to PCI, high risk features, or early recurrent ischemic pain
**No IIb/IIIa inhibitor if given 300 mg clopidogrel at least 6 h earlier

- Proceed to angiography

**Conservative strategy**

- Start anticoagulation with:
  1. LMWH 1 mg/kg subq q12h
  2. UFH IV 60 units/kg IV bolus, then 12 units/kg/hr
  3. Fondaparinux 2.5 mg subq daily

- 1. Start clopidogrel therapy 300 mg PO Loading Dose

- Recurrence of CP, arrhythmia, or heart failure?

  - NO
  - YES

  **Myocardial perfusion stress test**

- Consider IIb/IIIa with IV eptifibatide

**BOX 1**

Consider invasive strategy if:

1. Recurrent angina or ischemia at rest or low level exertion, on intensive medical therapy
2. Hemodynamic instability
3. Sustained VT
4. PCI within last 6 month
5. Prior CABG
6. High risk score (ie TIMI or GRACE)
7. Diabetes Mellitus
8. Reduced LV function
9. Mild to moderate renal dysfunction
10. Elevated cardiac biomarkers (TnI)
11. New ST segment depression
12. High risk noninvasive testing

**Abbreviations:** LMWH = low molecular weight heparin, i.e. enoxaparin; UFH = unfractionated