Guidelines for Effective Management of Non ST-Elevation MI

Patients With Non ST-Segment Evaluation Myocardial Infarction (NSTEMI) With and Without PCI.
Adapted, updated, and based upon ACC/AHA Recommendations (September, 2000) for UA/NSTEMI and ACC/AHA 1999 MI Guidelines.

Original Guidelines Developed by Kurt Kleinschmidt, MD, FACEP, for ***Emergency Medicine Reports*** (November 2000)
"Acute Coronary Syndrome (ACS): Pharmacotherapeutic Interventions For UA/NSTEMI— An Evidence-Based Review And Outcome-Optimizing Guidelines For ACS Patients With And Without Procedural Coronary Intervention (PCI)"

CHEST PAIN TRIAGE

TRIAGE ASSESSMENT
- **Pain Description • Age • Sex • CAD Hx**
- **Cocaine • Risk Factors for CAD**

Non-Ischemic Non-Cardiac → **Evaluate and Treat Suspected Etiology**

Possible or Definite ACS

No ECG Change or Normal ECG → **RISK STRATIFY**

ST-Segment Elevation or New or Presumably New Bundle Branch Block

12-LEAD ECG WITHIN 10 MINUTES
- **Intravenous access**
- **Oxygen**
- **Continuous ECG monitor**
- **Aspirin (alternative: clopidogrel for aspirin intolerant patients)**
- **Consider**
  - **— Cardiac markers**
  - **— Beta-blockers**
  - **— Nitroglycerin**
  - **— Morphine sulfate**

New ST-Segment Depression or T-wave Inversion
Initial Cardiac Enzymes Elevated

Treat with:
- **Beta-blockers**
- **Enoxaparin**
- **Nitroglycerin**
- **Morphine sulfate**

***Dominant Strategy*: Recommend early cardiac catheterization (< 48 hours) and clopidogrel pretreatment**

***Alternative Strategy*: Medical management consider tirofiban or eptifibatide; or consider clopidogrel**

Abnormal

Normal

Procedural Coronary Intervention— GP IIb/IIIa Inhibitor Recommended Abciximab (preferred GPIIb/IIIa); or consider tirofiban (alternative)

Discharge and follow-up as needed

Hospital Course Becomes Complicated
- **Recurrent chest pain**
- **Hemo instability**
- **New ECG change**
- **CHF**
- **Dysrhythmias**

YES **NO**

< 40% **Assess LV Function**

≥ 40%

Abnormal **Stress Test**

Normal

Medical Therapy Discharge