VCMC/SANTA PAULA HOSPITAL CLINICAL PRACTICE GUIDELINE
STEMI

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.

**STEMI identified on EKG**
- Notify Interventional cardiologist
- PCI Planned within 120 – 180 minutes?

**YES**
- **Antiplatelet Therapy**
  ① ASA 162-325 mg PO/PR
  ② P₂Y₁₂ Receptor inhibitor as early as possible or at time of PCI: 
  ● Clopidogrel 600 mg PO

**Anticoagulation Therapy**
Unfractionated heparin (UFH)
- 60 units/kg bolus if IIb/IIIa planned
- 80 units/kg bolus if no IIb/IIIa planned
  (Bolus may be repeated)
- *No Fondaparinux 2/2 risk of catheter thrombosis

**Anticoagulation Therapy Maintenance**
① ASA 81-325 mg PO daily indefinitely
② Clopidogrel 75 mg PO daily X 1 yr for Drug-Eluting Stent, Bare-Metal Stent, or Balloon angioplasty.
  (may give >1 yr for Drug-Eluting Stent)

**NO**
- Consider thrombolysis if no contraindications AND:
  1. Ischemic symptoms < 12 h (class I)
  2. Within 12-24 hours of symptom onset with clinical and/or EKG evidence of ongoing ischemia AND a large area of myocardium at risk or hemodynamic instability (class IIa)

**Thrombolysis**
- Accelerated Infusion (preferred)
  Pt wt >67 kg = 100 mg IV given as 15 mg IV bolus then 50 mg over 30 min then 35 mg over 60 min
  Pt wt ≤ 67 kg = Total dose NTE 100 mg 15 mg bolus then 0.75 mg/kg over 30 min then 0.5 mg/kg over 60 minutes

**Anticoagulation Therapy**
2. Enoxaparin
   - age < 75 yo = 30 mg IV bolus, then 1 mg/kg sub Q12h give 15 minutes post Bolus (max 100 mg per dose for first 2 doses)
   - age ≥ 75 yo = no Bolus, 0.75 mg/kg subQ Q12h (max 75 mg per dose for first 2 doses)
   - CrCL < 30 ml/min regardless of age 1 mg/kg subQ Q24h
3. Fondaparinux
   - Initial dose 2.5 mg subq
   - Daily 2.5 mg subq up to 8 days or revascularization
   - CrCL < 30 ml/min: DO NOT give

**Anticoagulation Therapy Maintenance**
① ASA 162-325 mg PO L.D. followed by 81 mg PO daily indefinitely
② Clopidogrel
  Age ≤ 75 yo = 300 mg PO X 1
  Age > 75 yo = 75 mg PO X 1
  Then continue 75 mg PO daily at least 14 days up to 1 year.

**NO Thrombolysis**
- Antiplatelets
  ① ASA 162-325 mg PO X 1
  then 81 mg po daily while on therapeutic anticoagulation

**Anticoagulation Therapy**
- Enoxaparin
  - age < 75 yo = 30 mg IV bolus, then 1 mg/kg sub Q12h give 15 minutes post Bolus (max 100 mg per dose for first 2 doses)
  - age ≥ 75 yo = no Bolus, 0.75 mg/kg subQ Q12h (max 75 mg per dose for first 2 doses)
  - CrCL < 30 ml/min regardless of age 1 mg/kg subQ Q24h
  - CrCL < 15 ml/min: DO NOT give
- Fondaparinux
  - Initial dose 2.5 mg subq
  - Daily 2.5 mg subq up to 8 days or revascularization
  - CrCL < 30 ml/min: DO NOT give

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L.D. = Loading dose  
M.D. = Maintenance dose

Approved: FM 7/18/14, Medicine 1/7/15, MEC 2/10/15