**STEMI**

**EMS Triage and Destination Plan**

**STEMI Patient**
(ST Elevation Myocardial Infarction)

- Cardiac symptoms greater than 15 minutes and less than 12 hours
- 12 lead ECG criteria of 1 mm ST elevation in 2 or more contiguous leads
- Left Bundle Branch Block NOT known to be present in the past

**The Purpose of this plan is to:**

- Rapidly identify STEMI patients who call 911 or present to EMS
- Minimize the time from onset of STEMI symptoms to coronary reperfusion
- Quickly diagnose a STEMI by 12 lead ECG
- Complete a reperfusion checklist (unless being transported directly to a PCI hospital) to determine thrombolytic eligibility
- Rapidly identify the best hospital destination based on symptom onset time, reperfusion checklist, and predicted transport time
- Early activation/notification to the hospital prior to patient arrival
- Minimize scene time to 15 minutes or less (including a 12 lead ECG)
- Provide quality EMS service and patient care to the EMS Systems citizens
- Continuously evaluate the EMS System based on North Carolina’s STEMI EMS performance measures

**Active Symptoms of Cardiac Chest Pain**
12 Lead ECG Findings = STEMI

**PCI Capable Hospital within 30 minutes**
EMS transport time?

- Yes
  - Transport to closest PCI Capable Hospital Listed Early Notification/Activation
    - Cape Fear Valley Medical Center
    - New Hanover Regional Medical Center
    - Southeastern Regional Medical Center

- No
  - Reperfusion Checklist
    - Contraindications to Thrombolysis
      - Yes
        - Air Medical SCTP within 30 minutes of patient’s location?
          - Yes
            - Transport to closest PCI Capable Hospital Listed Early Notification/Activation
              - Cape Fear Valley Medical Center
              - New Hanover Regional Medical Center
          - No
            - Yes
            - Transport to closest Non-PCI Hospital Listed Early Notification/Activation
              - Cape Fear Bladen County Hospital
              - Columbus Regional Hospital
              - Sampson Regional Medical Center
              - Pender Memorial Hospital
      - No
        - Closest Non-PCI Hospital within 50 minutes EMS transport time?
          - Yes
            - Transport to closest Non-PCI Hospital Listed Early Notification/Activation
              - Cape Fear Bladen County Hospital
              - Columbus Regional Hospital
              - Sampson Regional Medical Center
              - Pender Memorial Hospital
          - No

**Bladen County EMS System**

This protocol has been developed by the North Carolina Office of EMS