EMS STEMI

Mission:Lifeline Minnesota
Transport Flowchart
(Final Draft: July-2015)

American Heart Association | MISSION: LIFELINE

Suspected Cardiac Event

Obtain 12 Lead ECG
with Initial Assessment & Vital Signs
(Goal: First Medical Contact to ECG ≤ 10 min)

Provide All Additional Treatments per Chest Pain or Appropriate Protocols

Pre-Hospital STEMI ALERT Activation Criteria:
Signs & symptoms suspect of AMI with duration ≥ 15 min but ≤ 24 hrs, and one or more are met):
1. ECG transmitted & reviewed by a provider (Physician, NP, PA) confirmed to be diagnostic of STEMI
2. EMS personell trained in 12 L ECG interpretation recognize ST elevation of ≥ 1 mm in 2 contiguous Leads
3. 12-Lead ECG Monitor Algorithm Interpretative statement: (ie. *** Acute Myocardial Infarction ***)

Is STEMI Alert Activation Criteria Met?

Yes

No

If suspicion high for ACS & symptoms persist, continue protocol treatments and obtain serial ECG's at 5-10 minute intervals

Determine Transport Destination
-Consider Air Transport
-Consider ALS Intercept if BLS transport > 15 min

Transport Time to PCI Capable Hospital ≤ 60 min?

Yes

-Notify medical control at nearest appropriate PCI Hospital of **STEMI ALERT**
-Request **Cath Lab Activation**
-Consider transport via the most expedient ALS method available for **Primary PCI**

Instability or Diversion Criteria?

Yes

No

Call PCI Hospital with Patient Identifiers

Proceed to PCI Hospital

No

Notify medical control of **STEMI ALERT** and consider transport to the closest appropriate non-PCI capable referring hospital…
...For possible Fibrinolytic therapy and/or subsequent urgent transfer to a PCI Capable Receiving Facility for reperfusion

Diversion Criteria:
Patient demonstrates instability and/or has any one of the following criteria that may require ED evaluation and treatment by a practitioner:
- Symptoms suggestive of acute stroke or neurological evaluation
- Respiratory or Circulatory Instability
- Chest trauma or MVC victims
- DNR Status
- Consider Left Bundle Branch Block

Proceed to Nearest Appropriate Hospital!

Documentation Reminders Upon Arrival at Hospital:
Provide a printed copy of EMS Run Sheet, & 12 L ECG with Report to the receiving hospital staff.

Document Date and Time of:
-EMS dispatch
-First Medical Patient Contact
-12-Lead ECG
-Scene departure
-STEMI alert requested
-Destination Arrival.
-EMS agency number, and run number.