MEDICAL CONTROL GUIDELINE: ALGORITHM FOR CATH LAB ACTIVATION

Perform a prehospital 12-lead ECG on patients with non-traumatic chest pain or EMS personnel’s clinical suspicion of STEMI as per Ref. No. 1308

Review the ECG:
Is the quality good?*
Do you visualize greater than 1mm ST-Elevation in 2 or more contiguous leads
OR is there a positive software interpretation of STEMI?

Transmit ECG
Contact/Transport to SRC
Contact Base for online medical control prn

Discuss CATH LAB ACTIVATION CRITERIA with SRC
ED physician agrees with STEMI impression
Age 30-90
Pain less than 12 hours
Greater than 2mm S-T elevation in 2 or more contiguous leads
QRS less than 0.12
Heart Rate less than 120
No paced rhythm
No DNR
Able to give informed consent
Not intubated
Paramedic confident in STEMI impression

MEETS ALL CRITERIA

Approved for Cath Lab?
Yes
CATH LAB ACTIVATION
Transport patient to Cath Lab when Cath Lab is ready to accept patient

No
DOES NOT MEET ALL CRITERIA

Expedited ED physician exam

* If the ECG tracing is inadequate, repeat the ECG. Do not use a poor quality ECG to determine patient management. Contact Base if you are unable to obtain a good quality ECG in a patient with possible STEMI or to discuss destination if the provider impression is unclear.