

Chest Pain Program

Patient presenting to ED with CP or anginal equivalent

1. ECG given to MD and ASA 325 mg chewed within 10 minutes of arrival
2. Troponin, Lactate, BMP, BNP, CBC, CXR as needed
3. O2, Nitroglycerin and morphine sulfate prn
4. Repeat ECG every 10-15 minutes

New 1 mm ST Elevation in 2 contiguous leads?

YES

Level One

NO

New > 0.5mm ST segment depression in 2 contiguous leads with CP or new > 2mm anterior T wave inversions with CP or positive biomarkers or ongoing classic symptoms despite intensive therapy or hemodynamic instability/sustained VT or ischemic CHF, or recent stress test positive for ischemia?

YES

Level Two

NO

Repeat ECG changed or Repeat Biomarkers positive? (per facility protocol)

YES

Level Two

NO

Classic Angina: Increase with exertion, decrease with rest/Nitroglycerin or 3 or more CV risk factors: FH, HTN, Chol, DM, Tobacco, or Prior History of any type of vascular disease or Age > 65 years?

YES

Level Three

NO

Level Four

Level One Protocol:

Ticagrelor 180 mg **OR** Clopidogrel 600 mg, PO
 IV Heparin 60 units/Kg bolus, max 4000 IV push
 If Zone 2 give 1/2 dose TnK
 Call 612-863-3911 to Initiate Emergency Transfer to Minneapolis Heart Institute® at Abbott Northwestern for direct PCI

Level Two Protocol:

IV Heparin 60 units/Kg bolus, max 4000 IV push then 12 units/Kg/hr, max 1000 units/hr
 PO Beta Blocker prn
 Call 612-863-3911 to Transfer via ACLS to Minneapolis Heart Institute® at Abbott Northwestern
 If recurrent CP with ST segment elevation: **Level One Protocol**

Level Three Protocol:

Consider antiplatelet therapy if Chest Pain clearly classic angina (increase with exertion, or decrease with NTG/rest)
 PO Beta Blocker prn
 Observe in hospital
 Stress test or CTA before discharge
 If recurrent CP, ECG changes, positive biomarkers or high risk stress test: **Level Two Protocol**

Level Four Protocol:

May discharge on ASA after negative serial biomarkers, ECG neg and no ongoing symptoms, with follow-up stress test or CTA within 72 hours
 Recurrent CP and no ECG changes and normal biomarkers: **Level Three Protocol**
 If recurrent CP with ECG changes, positive biomarkers, or high risk stress test: **Level Two Protocol**

To speak to a cardiologist at any time, call 612-863-3911.

