

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. Chest x-ray, Cardiac Biomarkers, BMP, BNP, CBC
3. O2, Nitroglycerin and morphine sulfate prn

New 1 mm ST Elevation in 2 contiguous leads?

NO

YES

Level One

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?

NO

YES

Level Two

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

NO

YES

Level Two

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?

NO

YES

Level Three

Level Four

Level One Protocol:

Ticagrelor 180 mg OR Clopidogrel 600 mg, PO

IV Heparin 50 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 50 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:

PO Beta Blocker prn

Consider antiplatelet therapy if Chest Pain clearly classic angina (increase with exertion, or decrease with NTG/rest)

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.

