

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

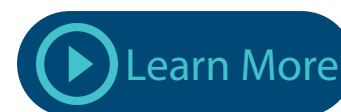
If recurrent CP, ECG changes, positive biomarkers or high risk stress test: Level Two Protocol

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.

"Guidelines are not meant to replace clinical judgment or professional standards of care. Clinical judgment must take into consideration all the facts in each individual and particular case, including individual patient circumstances and patient preferences. They serve to inform clinical judgment, not act as a substitute for it. These guidelines were developed by a Review Organization under Minn. Stat. §145.61 et. seq., and are subject to the limitations described at Minn. Stat. §145.65."

This information is intended only as a guideline. Please use your best judgment in the treatment of patients.