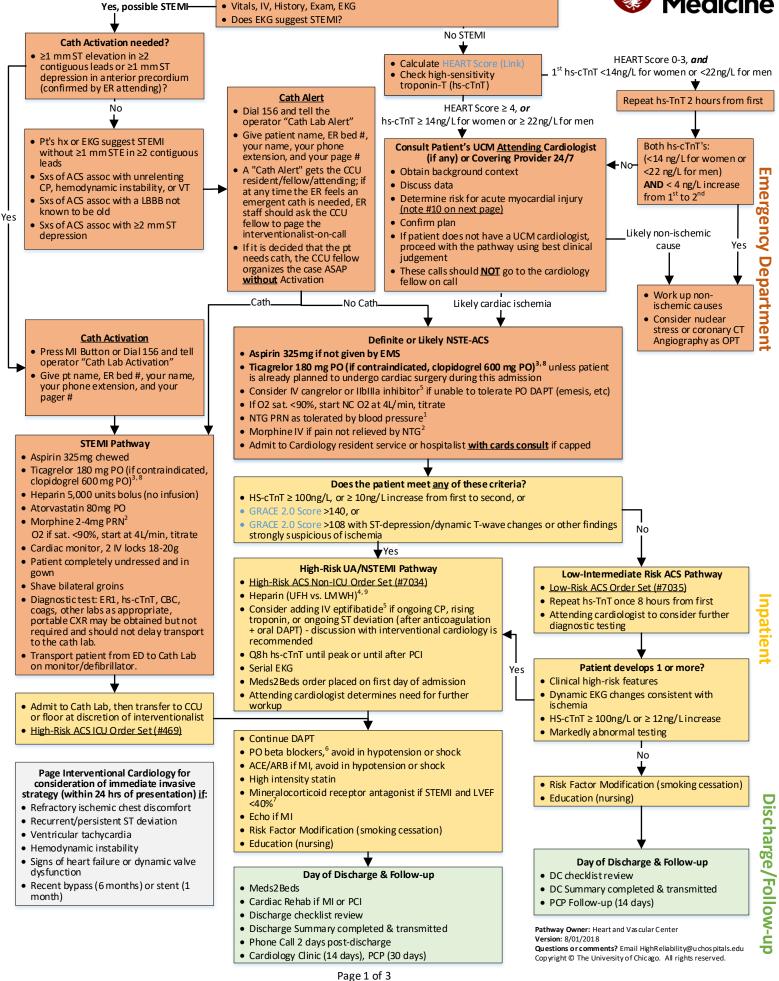
Chest Pain & Acute Coronary Syndromes (ACS) Clinical Pathway





Chest discomfort or other symptoms consistent with myocardial ischemia

Chest Pain & Acute Coronary Syndromes (ACS) Clinical Pathway Notes



- 1. Omit nitrates if history of recent PDE use; use NTG with caution if RV ischemia is suspected.
- 2. Morphine and other IV opioids may reduce absorption and/or efficacy of oral antiplatelet therapy.
- 3. Ticagrelor exclusions include h/o major bleed or bleeding diathesis, prior CVA/TIA, known hepatic insufficiency, bradycardia (HR<50) or h/o bradydysrhythmia, active wheezing or h/o COPD.
- 4. UFH preferred if renal dysfunction use ACS protocol; If LMWH, use 1mg/kg q12h.
- 5. Eptifibatide is contraindicated in patients on dialysis.
- 6. If LVEF <40, guidelines recommend carvedilol, bisoprolol, or long-acting metoprolol succinate.
- 7. Avoid if Cr>2, or K>5.
- 8. If patient is already on Clopidogrel, load with Ticagrelor 180mg PO unless contraindicated. If patient is already on Ticagrelor or Prasugrel, continue with same, no need to load again unless non-compliance is suspected.
- 9. If patient is on DOAC or therapeutic warfarin, do not start heparin without discussing with interventional cardiology.
- 10. General guidance for the use of high-sensitivity troponin-T (hs-cTnT)
 - No algorithm completely replaces clinical judgement.
 - Traditional confounders of troponin interpretation (renal failure, sepsis, etc.) also apply to hs-cTnT.
 - **RULE IN:** In patients with hs-cTnT ≥ 100ng/L or ≥ 10ng/L increase over 2 hours, acute myocardial injury is present. These patients should be admitted after discussion with the patient's cardiologist (if any).
 - INTERMEDIATE HIGH PROBABILITY: In patients with hs-cTnT (≥ 42ng/L for women or ≥ 66ng/L for men
 - 3x the gender-specific upper limit of normal) or new ischemic EKG changes, acute myocardial injury is
 likely. These patients typically should be admitted after discussion with the patient's cardiologist (if any).
 - INTERMEDIATE LOW PROBABILITY: In patients with hs-cTnT (14-41 ng/L for women or 22-65 ng/L for men), HEART Score 0-3, and a non-ischemic EKG, discuss with the patient's cardiologist (if any). Consider a repeat hs-cTnT in the ED 4 hours from the first. If < 12ng/L rise from 1st hs-cTnT, acute myocardial injury is unlikely (stable angina or previous MI are not excluded). In discussion with the patient's cardiologist (if any), consider discharge with OPT ischemic workup and clinic follow up for risk factor control.
 - RULE OUT: In patients with HEART Score 0-3 and hs-cTnT (< 14 ng/L for women or < 22 ng/L for men) AND < 4 ng/L increase from 1st to 2nd, acute myocardial injury is very unlikely (>99% negative predictive value for MI). Consider non-ischemic causes of chest pain. Generally, these patients can be discharged safely after discussion with their cardiologist (if any), if there are no remaining indications for admission.
 - For patients not meeting the above criteria, discuss with the patient's cardiologist (if any). Consider observation admission.
 - Coronary CT angiography or nuclear stress testing can also be obtained in the ED 8am-3pm M-F.

Chest Pain & Acute Coronary Syndromes (ACS) Discharge Checklist



STEMI and High-Risk NSTE-ACS	Low-Risk ACS
Aspirin	
□ Yes	□ Risk-appropriate Statin therapy (link to ASCVD risk calculator)
□ No, bleeding	Disease-Specific Education completed by nursing
No, allergy (consider desensitization)	Nutrition education completed
No, other (with attending cardiologist approval only)	Smoking cessation counseling completed
□ P ₂ Y ₁₂ Inhibitor	90-day prescription of all cardiac meds provided (consider paper script
□ Yes	for 1 year if patient does not have a pharmacy)
No, bleeding	PCP follow up (within 14 days) scheduled
No, allergy (consider alternate agent)	Discharge summary completed and transmitted before patient leaves the
 No, other (with attending cardiologist approval only) 	hospital
□ High-intensity Statin	
□ Atorvastatin 40-80mg or Rosuvastatin 20-40mg	
 No, allergy or prior intolerance (consider alternate agent) 	
Doto other (with attending cardiologist approval only)	
🗆 Beta-blocker	
□ Yes	
No, bradycardia (HR<50 and no pacemaker)	
No, hypotension	
No, allergy (consider alternate agent)	
No, other (with attending cardiologist approval only)	
ACE/ARB if pt. diagnosed with MI during this admission or prior	
□ Yes	
No, advanced renal disease	
No, hyperkalemia	
□ No, hypotension	
 No, allergy (consider alternate agent) 	
□ No, other (with attending cardiologist approval only)	
□ Mineralocorticoid Receptor Antagonist (MRA) if LVEF <40%	
□ Yes	
No, advanced renal disease	
No, hyperkalemia	
No, allergy (consider alternate agent)	
No, other (with attending cardiologist approval only)	
\square Triple therapy (If concurrent aspirin, P_2Y_{12} inhibitor, and anticoagulation	
are needed, specify indication, planned duration, plan for discontinuation,	
and responsible provider) – this is rarely appropriate	
🗆 Echo if MI	
Outpatient Cardiac Rehab (phase 2) referral if MI or PCI	
Referred to UCM	
Referred to outside facility (paper prescription provided stating	
"Cardiac rehab phase 2" with appropriate diagnosis listed)	
□ Disease-Specific Education completed by nursing	
□ Nutrition education completed	
□ Smoking cessation counseling completed	
□ Shioking cessal on courseing completed □ Meds2Beds completed	
□ Yes	
No, patient refuses	
No, patient does not qualify	
No, night/weekend/holiday discharge	
Other	
\square 90-day prescription of all cardiac meds provided (consider paper script for	
1 year if patient does not have a pharmacy)	
□ Follow-up (Tune-up appointments) scheduled	
□ If UCM	
□ Cardiology (within 7 days)	
□ PCP (within 30 days)	
□ If non-UCM	
□ PCP (within 14 days)	
Discharge summary completed and transmitted before patient leaves the beautiful	
hospital	