

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">UPON ADMISSION</p>	<ol style="list-style-type: none"> 1. Active Cardiac Ischemia Symptoms 2. If present on current admission: <ul style="list-style-type: none"> • EKG with ST Elevation • High Sensitivity Troponin > 20 ng/L 3. Cardiac Stents within the last 6 months 	<p><u>For Conditions 1,2, or, 3:</u></p> <p>Cardiac Consultation</p> <p>Delay until workup complete</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">PRESURGICAL PLANNING, TRAUMA BAY OR EMERGENCY DEPARTMENT</p>	<ol style="list-style-type: none"> 1. Patient unable to provide medical history <ul style="list-style-type: none"> • Age >75 years • Obvious deconditioning/malnutrition • Dependent for ADL 2. Patient Stated Medical History <ul style="list-style-type: none"> • CAD with PCI in last 12 months • Stroke/CVA within the last 3 months • Cardiac Valvular Disease (other than mitral valve prolapse) • Pulmonary Hypertension • Heart Failure • ESRD • Automated implantable cardioverter defibrillator (AICD) • Corrected or Uncorrected Congenital Heart Defect or Malformation 3. Clinical Findings <ul style="list-style-type: none"> • Overt shortness of breath • Lower extremity pitting edema 	<p><u>For Conditions 1,2, or, 3:</u></p> <p>Order ECHO, BNP, EKG, High Sensitivity Troponin</p> <p>Delay for ECHO Results (See Yellow Section for Pending Echo and Resulted Labs)</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">RECENT ECHO RESULTS AVAILABLE</p>	<p>If ECHO results show</p> <ul style="list-style-type: none"> • Aortic Valve area less than 1.0 cm² • RVSP or PA Pressure > 60 mmHg • LVEF < 30% • Mitral Valve area < 1.0cm² 	<p>IPET should be contacted for formal anesthesia preoperative evaluation</p> <p>Delay until workup complete</p>

ECHO NOT RESULTED; BUT LABS AVAILABLE	<ol style="list-style-type: none"> 1. ORANGE CATEGORY PATIENT with ECHO Pending and Labs Have Resulted 2. Reassuring Labs: <ul style="list-style-type: none"> • BNP <300 pg/mL • High Sensitivity Troponin <20 ng/L • EKG without signs of ischemia 3. Engage ER Physician or Echo Capable Anesthesiologist to perform screening cardiac ECHO exam to provide LVEF% and Aortic Valve assessment if possible 	Contact Anesthesia Attending in the scheduled operating room to determine if the case can proceed while ECHO results are pending.
	<ol style="list-style-type: none"> 1. Emergent Procedure (Levels 1-3) 2. No cardiovascular diseases 3. Known cardiovascular disease and METs > 4 prior to injury, no frailty factors present <p>(METs > 4 = Can climb two flight stairs without stopping and without significant dyspnea or chest pain)</p>	<u>For Conditions 1,2, or, 3:</u> No Additional Cardiac Workup Proceed

This guideline is not intended to address all cardiac abnormalities or exclude other needs for cardiac consultation.

*Medications for Heart Failure may include: Entresto (Sacubitril / Valsartan), Digoxin, Isosorbide

Intended or optimal use of this guideline:

1. Otho team should evaluate for active cardiac conditions or ischemia upon admission.
2. Ortho team should evaluate the patient for key cardiac conditions and clinical findings and order screening labs as indicated in the guideline.
3. Ortho team should contact IPET (Inpatient Evaluation Team) if ECHO results show critical cardiac findings.
4. Ortho team should contact the anesthesia attending in the room where the case is scheduled screening labs come back reassuring.