AACVPR Stratification Algorithm for Risk of Event

*Not specific solely to exercise events.*

1. **Patient is at HIGH RISK** if ANY ONE OR MORE of the following factors are present:
   - Left ventricular ejection fraction < 40%
   - Survivor of cardiac arrest or sudden death
   - Complex ventricular dysrhythmias (ventricular tachycardia, frequent [> 6/min] multiform PVCs) at rest or with exercise
   - MI or cardiac surgery complicated by cardiogenic shock, CHF, and/or signs/symptoms of post-procedure ischemia
   - Abnormal hemodynamics with exercise, especially flat or decreasing systolic blood pressure or chronotropic incompetence with increasing workload
   - Significant silent ischemia (ST depression 2mm or greater without symptoms) with exercise or in recovery
   - Signs/symptoms including angina pectoris, dizziness, lightheadedness or dyspnea at low levels of exercise (< 5.0 METs) or in recovery
   - Maximal functional capacity less than 5.0 METs*
   - Clinically significant depression or depressive symptoms

2. **Patient is at LOW RISK** if ALL of the following factors are present:
   - Left ventricular ejection fraction > 50%
   - No resting or exercise-induced complex dysrhythmias
   - Uncomplicated MI, CABG, angioplasty, atherectomy, or stent:
     - Absence of CHF or signs/symptoms indicating post-event ischemia
   - Normal hemodynamic and ECG responses with exercise and in recovery
   - Asymptomatic with exercise or in recovery, including absence of angina
   - Maximal functional capacity at least 7.0 METs*
   - Absence of clinical depression or depressive symptoms

3. **Patient is at MODERATE RISK** if they meet neither High Risk nor Low Risk standards:
   - Left ventricular ejection fraction = 40–50%
   - Signs/symptoms including angina at “moderate” levels of exercise (60–75% of maximal functional capacity) or in recovery
   - Mild to moderate silent ischemia (ST depression less than 2mm) with exercise or in recovery

*If measured functional capacity is not available, this variable can be excluded from the risk stratification process.*