**Supplementary Materials**

**Supplementary Figure S1. Balanced accuracy ((sensitivity + specificity)/2) of each method in predicting events within four years.** RCVR: Residual Cardiovascular Risk. Each method’s results are split at a cut-point to generate a binary yes/no output so that sensitivity and specificity could be calculated: RCVR upper: highest two categories vs. lowest two categories, RCVR low: “low” vs. the other three categories combined; RCVR high: “high” risk vs. the other three categories combined. The cut-points for Diamond-forrester pretest assessment alone, or when combined with stress-EKG (“& stress EKG”) were dichotomized at 30%. MPI/SPECT: Myocardial Perfusion Imaging / Single Photon Emission Computed Tomography; fCAD: Functionally Relevant Coronary Artery Disease, Overall Diagnosis.