

# Provider Led Entity

## CDI Quality Institute AUC Questions: Coronary artery disease (suspected or diagnosed)

02/23/2021

**Patient/Problem:** Appropriateness of advanced imaging procedures in patients with the following clinical presentations:

- **Suspected coronary artery disease: asymptomatic patient**
  - Low / intermediate / high risk
- **Suspected coronary artery disease: symptomatic patient**
  - Low / intermediate / high risk
- **Follow-up/sequential testing for coronary artery disease: no previous revascularization, no symptoms or stable symptoms**
  - Low risk or last test performed < 2 years ago
  - Intermediate-to-high risk or last test performed  $\geq$  2 years ago
  - Abnormal/equivocal evaluation for CAD performed in past 90 days
- **Follow-up/sequential testing for coronary artery disease: no previous revascularization, new or worsening symptoms**
- **Follow-up/sequential testing for coronary artery disease: history of previous revascularization (PCI or CABG)**

For patients > 18, in a community outpatient setting, w/o pregnancy, and for the purposes of diagnosis.

**Interventions:** Advanced testing – CT coronary artery calcium, stress radionuclide myocardial perfusion imaging (PET or SPECT), stress cardiac MRI (CMR), coronary CT angiography, stress echocardiography, exercise ECG

**Comparison:** Gold standard (imaging findings, coronary angiography findings, surgical findings, or clinical follow-up).

**Outcome:** Diagnostic accuracy, effect on patient management, and/or patient outcome.

**Exclusions:**

- Cases meeting the definition of a suspected or confirmed emergency medical condition or who are treated acutely
- Transesophageal echocardiogram
- Imaging of patients undergoing non-coronary cardiac surgery