



## “Cardiac Solution” Program Tip Sheet For Prior-Authorization of Cardiac Services

**Provider requests for the following cardiac studies are reviewed by National Imaging Associates, Inc. ABIM certified cardiologists:**


- **Myocardial Perfusion Imaging (MPI)**
- **Stress Echocardiography (SE)**, often preferred over MPI, due to lower cost and absence of radiation exposure (see separate Tip Sheet for choice of MPI vs. SE).
- **Coronary Computed Tomographic Angiography (CCTA)**
- **Cardiac PET, MRI, CT and EBCT** may be considered part of a Cardiac Solution, **OR** alternatively, included in a Radiology Benefits Management Program.
- **Echocardiography**, either transthoracic (TTE) or transesophageal (TEE)
- **Prior-authorization is NOT required for EKG treadmill stress testing without imaging**, which may be more appropriate for certain member subgroups, as described in the Guideline documents.

**Important Data when Medical Records are Required for Prior-Authorization:**

- **Symptoms** and rationale for visit with cardiologist
- **Functional limitations and comorbidities** (COPD, renal, stroke, chemotherapy, etc.)
- **Cardiac risk factors**, lipid levels when available
- **Cardiac history and prior cardiac surgery/intervention**
- **Relevant non-cardiac history**, especially respiratory history and smoking history
- **Medication**, particularly antianginal medication, respiratory medication, and anti GERD medication, with appropriate emphasis on adequate therapy for BP, angina, respiratory illness, congestive heart failure
- **Vital signs**, including BMI, BP, HR, respiratory rate, and pulse oximetry, and pertinent physical exam findings
- **Any recent cardiac imaging tests** (stress testing, echocardiogram, etc.) **Actual EKG** (rest and any exercise) and pertinent EKG rhythm tracing; troponin and BNP when relevant
- **Relevant non-cardiac evaluation** results: e.g. in dyspnea cases - chest X-ray, d-dimer, CT scan of chest, PFTs (pulmonary function tests)
- **Provider’s diagnostic impressions**, working diagnoses, clinical concerns

**Radiation Exposure**

MPI: 7 - 24 mSv  
 SE: 0 mSv  
 Chest X-Ray: 0.06 mSv  
 Annual Background: 3 mSv  
*(For comparison)*  
**Radiation exposure should be limited when possible.**



### Examples of Highly Pertinent Data from the Medical Record:

- **Stress Testing:** Age, description of symptoms, functional limitations, cardiac history, risk factors, comorbidities (COPD, renal, stroke, chemotherapy, etc.), antianginal medication, VS and exam, EKG tracing, troponin
- **Echocardiography:** Symptoms or history suggestive of structural heart disease, particularly shortness of breath, chest pain, syncope/presyncope, thromboembolic events, prior myocardial infarction, cardiac surgery, or coronary revascularization without known left ventricular ejection fraction, prominent/loud systolic or any diastolic heart murmurs, rales, lower extremity edema, unexplained hypoxia, EKG changes, arrhythmias, radiographic evidence of congestive heart failure

### Pediatric echocardiography guidelines focus on a different spectrum of cardiac pathology:

- **Congenital:** cyanosis, failure to thrive, syncope, chest pain, abnormal murmurs, prior surgery, arrhythmogenic cardiomyopathy, pulmonary hypertension
- **Acquired:** Kawasaki disease, infective endocarditis and sepsis, pericarditis, HIV myocarditis, toxic cardiomyopathy, thromboembolism, rheumatic heart disease