

Evidence Discussion (CD 6.2-6.3)

Myocardial perfusion imaging (MPI) is used for the diagnosis of coronary artery disease (CAD).¹ Results of MPI have a high level of sensitivity and specificity. Positron emission tomography (PET) is one imaging modality that allows the performance of MPI² and also has the ability to measure absolute myocardial blood flow (AQMBF) (CPT 78434) in ml/g/min.³ This has been shown to add to the diagnosis of CAD and aid in treatment decisions.⁴

As supported by the ACC/AHA Appropriate Use Criteria, the use of MPI with PET is indicated for patients with signs or symptoms that would be consistent with CAD such as typical angina or other typical or atypical symptoms in patients with known CAD or prior interventions such as coronary artery bypass surgery or coronary stenting. This balances the appropriate testing of patients with PET versus unnecessary and potentially harmful testing and downstream procedures.⁵

References

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