

Evidence Discussion (CD 1.7)

Non-imaging Heart Function and Cardiac Shunt Imaging radionuclide techniques are no longer in use in current clinical practice. These techniques have been rendered obsolete and have been replaced by other cardiac imaging modalities that provide far superior structural and functional information to guide clinical management decisions. The preferred cardiac imaging modalities in current clinical use that have replaced the obsolete techniques include echocardiography, transesophageal echocardiogram, SPECT MPI, MUGA study, cardiac MRI, cardiac CT, and cardiac PET^{1,2}.

References:

1. Doherty JU et al. ACC/AATS/AHA/ASE/ASNC/HRS/SCAI/SCCT/SCMR/STS 2019 Appropriate Use Criteria for Multimodality Imaging in the Assessment of Cardiac Structure and Function in Nonvalvular Heart Disease. J Am Coll Cardiol. 2019 Feb 5;73(4):488-516. doi: 10.1016/j.jacc.2018.10.038. Epub 2019 Jan 7.
2. Doherty JU et al. ACC/AATS/AHA/ASE/ASNC/HRS/SCAI/SCCT/SCMR/STS 2017 Appropriate Use Criteria for Multimodality Imaging in Valvular Heart Disease. J Am Coll Cardiol. 2017 Sep 26;70(13):1647-1672. doi: 10.1016/j.jacc.2017.07.732. Epub 2017 Sep 1.