



K : Nuclear cardiology; Cardiovascular diseases; Myocardial viability; Myocardial perfusion imaging

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Nuclear cardiology, a vital subspecialty within cardiology and nuclear medicine, leverages non-invasive imaging techniques to evaluate myocardial perfusion, cardiac function, and myocardial viability. These methodologies provide critical insights into the physiological and metabolic state of the heart, facilitating the diagnosis

resolution and faster acquisition times. The development of new collimators and reconstruction algorithms has further enhanced image quality [4].

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EC /C : These hybrid modalities combine the functional imaging of PET or SPECT with the anatomical detail of CT, providing comprehensive assessments in a single session. This integration has improved the accuracy of coronary artery disease (CAD) diagnosis and risk stratification.

