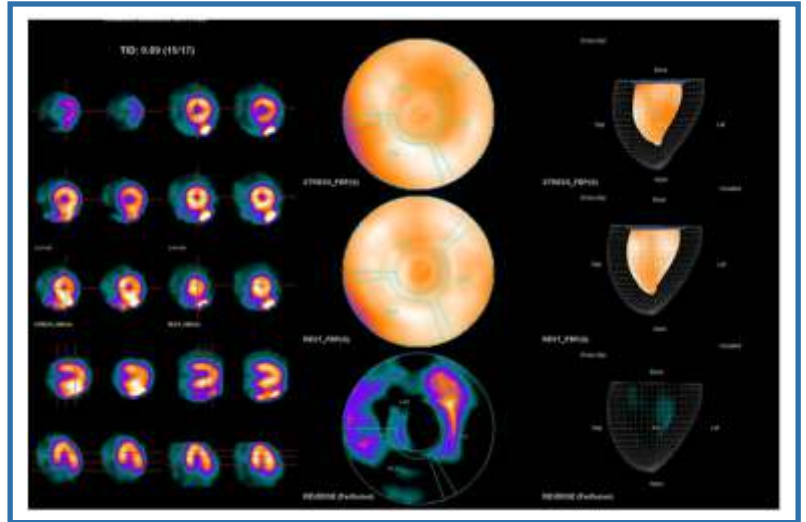
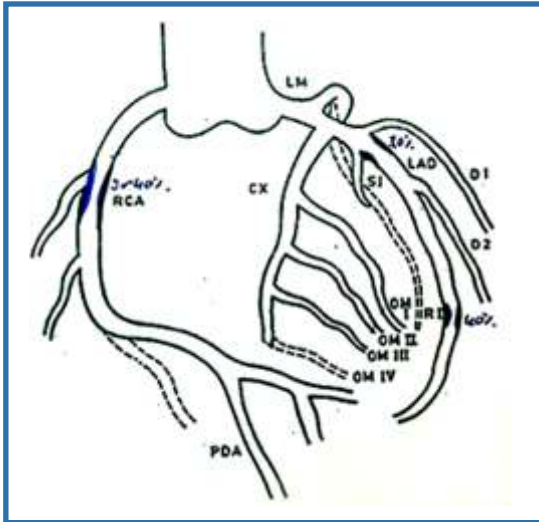


In Nuclear Medicine

Diagnose Coronary Artery Disease (CAD) in Acute Chest Pain

54 years old lady with acute chest pain for 12 hours and optimum medical treatment advised by cardiologists based on her coronary angiogram report was not satisfied and wanted second opinion – common scenario in our clinical practice.



Radiotracer used: ^{99m}Tc Technetium MIBI

Mechanism of uptake: Gets uniformly distributed into the mitochondria of cardiac myocytes.

Image generation: Normal myocardium is bright because it is rich in mitochondria.

Clinical Applications: Image the viability of heart muscles; confirm CAD in acute chest pain; determine extent of diseased coronaries; choose the right candidate for CABG and to understand the results of drug therapy or revascularization procedure.

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