

Summary

Aneurysm-like Wall Motion Abnormality in Hibernating Myocardium Detected by Stress Thallium Scintigraphy

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A 70-year-old female patient presented and ECG with QS patterns and ST elevation in V₁₋₃. Left ventriculography showed severely abnormal wall motion of the anteroseptal similar to a left ventricular aneurysm. Based on previous experience that ²⁰¹Tl myocardial scintigraphy revealed possible myocardial viability in a patient with left ventricular aneurysm suspected of having apparently no myocardial viability, percutaneous transluminal coronary angioplasty (PTCA) was performed for severe stenosis of the left anterior descending artery. Follow-up images 3

months later showed a remarkable improvement in parietal motility of the left ventricle and recovery of almost normal cardiac function. This case demonstrates that exercise myocardial scintigraphy is useful for diagnosing hibernating myocardium associated with severely abnormal parietal motility, such as left ventricular aneurysm.

Key words: PTCA, ²⁰¹Tl scintigraphy, Myocardial viability, Left ventricular aneurysm, Hibernating myocardium.