Benefit of MCE over SPECT for detection of ischaemia

Clinical Case Portal

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Abstract
Case from the Contrast Echo Box
Detection of Ischaemia

Introduction
Patient with recurrent episodes of chest pain, no baseline ECG abnormalities, normal exercise-SPECT (few months before) but symptoms persist...(fig 1)

Case Report

Contrast Stress Echocardiogram

Dipyridamole (0.84mg/kg/6min) contrast stress echocardiogram

Fig 1-2: Normal septal and lateral wall thickening at rest and peak stress (ap4c VIEW)

Fig 3-4: Perfusion imaging on left showing lateral wall defect and severe circumflex stenosis confirmed on angiography
- Proximal Cx significant stenosis
- Incremental / additional information from perfusion imaging

Fig. 1:
Normal exercise-SPECT

Video 1:
Rest

Video 2:
Stress

Video 3:
Stress

Fig. 2:
Angiogram