Abstract

Case from the Contrast Echo Box
Detection of Viability

Introduction

Patient with previous anterior MI in 1999 treated with primary PCI on the LAD but also left main and RCA disease diagnosed, which required CABG after few months.

- Recent new admission for heart failure and diseased grafts at angiography: graft may be amenable to new revascularization procedure depending on viability. (fig 1-7)

Case Report

Old scar returns high backscatter signals which can be misinterpreted as tissue perfusion, while in fact they have an opposite (absence of viability) meaning. In this case mid-apical septum clearly shows subendocardial scar and epicardial absence of perfusion, leading to conclusion of complete absence of viability here. (fig 8-9)
Video 1:
4 chamber view 1

Video 2:
4 chamber view 2

Video 3:
4 chamber view 3

Video 4:
2 chamber view 1

Video 5:
2 chamber view 2

Video 6:
2 chamber view 3

Video 7:
4 chamber view triggered

Fig. 1:
2 sec after flash

Fig. 2:
10 secs after flash