One picture is worth 1,000 words:

Case from Spain

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Current event: inferior STEMI

• 50 year-old male.

• Dyslipidemia, hypertension and is a former-smoker.

• Anterior STEMI in 2004:
  – Culprit vessel: Left anterior descending artery (LAD).
  – Successful P-PCI plus DES implantation.

• Good clinical evolution until 2013 - Current event: inferior STEMI.
Current event: inferior STEMI
Revascularization decision-process

- Uneventful recovery from STEMI.

- Cardiac MRI perfusion study:
  - Viability in the territory of the LAD.
  - Severe ischaemia only in the interventricular septum.

- Heart Team:
  - Syntax Score of 27.5.
  - Surgery was recommended but the patient refused.
  - PCI was therefore proposed as an alternative.

**Initial proposal:**
*Only* PCI to CTO of LAD
(only territory with severe ischaemia in MRI)
Initial proposal: PCI to CTO of LAD

Decision: defer

Decision: treat
Planning of PCI to diagonal branch
Post-PCI reassessment

Jump of 15mmHg!
Final result and FFR reinterrogation

All vessels (LAD, Dx and OB) over the ischaemic cut-off (0.75) value of FFR

Two-stent (minicrush) technique
LAD-Dx bifurcation
DES (3x28mm and 2.75x18)
Take home messages

• FFR gives you complementary information over that provided by non-invasive ischaemia tests.

• Reassessment of FFR during the procedure allows you to take better decisions when performing multivessel PCI.