

1010 Quantitative flow ratio guided percutaneous coronary intervention for STEMI with multi-vessel disease

Case 1

A 66 y/o man presented with STEMI undergoing primary PCI.

Culprit lesion: LCX: 100% occlusion

non-culprit lesion: RCA-P: 70% stenosis (by visual assessemnt)

Strategy: 1. Primary PCI with DES for LCX lesion.

2. Off-line assessment of QFR of RCA to guide treatment strategy: PCI or medical treatment

Final result: 1. LCX was treated with DES

2. RCA vessel QFR was 0.84. PCI was not needed for RCA-->refer to medical treatment.

Case 2

A 71 y/o man presented with STEMI undergoing primary PCI.

Culprit lesion: RCA-P: 100% occlusion

non-culprit lesion: LCX-P: 80% stenosis, LAD-M: 99% sub-total occlusion (by visual assessemnt)

Strategy: 1. Primary PCI with DES for RCA lesion.

2. Off-line assessment of QFR of LCX to guide treatment strategy: PCI or medical treatment

3. stage PCI for LAD subtotal occlusion

Final result: 1. RCA was treated with DES

2. LCX vessel QFR was 0.83. PCI was not needed for LCX-->refer to medical treatment.