STEALTH LEFT MAIN TRUNK DISEASE » DISCLOSED BY ONLY FFR

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Case : 60 y.o male

- > HD patients with CCS class 3 angina.
- > DES implantation to LAD about 2 years ago.
- Ex ECG showed ST deression in inferior and lateral leads with concomitant chest pain.
- Pt began to feel angina sensation about several months ago.
- Risk factor : HT, smoking, IDDM, dyslipidemia CRF

所属3 : 2

Maximum treadmil exercise test :

Pt stopped exercise due to the leg fatigue at 7METS of exercise loading. Maximum HR achieved was 132 (100% of target HR)

: 12:21

: 4:01

自荷後時間 : 6:15

検査時間

負荷時間



25th JSCVID

Coronary angiography R30,CAU30 ST.CRA



Coronary angiography L30,CRA30 L30.CAU 30



IVUS pullback from LAD to LMT

IVUS

LAD jp Lumen CSA=6.08mm² LMT Lumen CSA=7.26mm²

LMT ostium CSA=7.12mm²

IVUS could not confirm the presence of severe stenosis at LMT. MLA of LMT was 7.12mm² which is above the threshold of ischemia causing LMTD





are pullback curve from LAD

Significant step-up of 0.19 was observed at the LMT ostium.

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(1)



Significant step-up of 0.17 was observed at the LMT ostium.

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Pressure pullback curve from LCX

Significant step-up of 0.17 was observed at the LMT ostium

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Case summary

Ischemia test	Result
Treadmill	Equivocal
Coronary angiography	Not significant
IVUS	Negative
iFR	Negative
FFR	positive

FFR for LMTD

- The evidence showing FFR based deferral with optical medical therapy demonstrated fairly good prognosis.
- Anatomical imaging modalities such as IVUS, OCT, and angiography does not always concordant with FFR.
- Careful attention should be paid to avoid misdiagnosis of functionally significant LMT lesions.
- FFR should be measured, if the operator have any subtle suspicion about the lesion severity of LMT.
- If we did not measure FFR in this case, the symptom and equivocal exercise test may be considered to be caused by microvascular disease.

Thank you for your attention.