“Egg-Shell” Coronary Artery Calcification: Late sequelae of Kawasaki Disease: Optical Coherence Tomographic Findings

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Case Summary

• A 24 year old man without any coronary risk factor came to the office for recent onset (2 weeks ago) effort angina

• His medical history was notable for Kawasaki disease at the age of two
Coronary CT scan
Exercise ECG
CAG(Nov, 2008)
Predilatation
(Ryujin balloon, 2.5 x15mm, 20atm)
OCT
Still Cuts!
High Pressure Balloon
(Kongou balloon, 2.5 x10mm, upto 20atm)
DES
(PICO stent, 3.0 x 18mm)
Exercise ECG after PCI
Heart SPECT(Tl 201) after PCI
Recurrent Angina after 9mo
2nd DES (Cypher select plus stent, 3.5 x 28mm)
Adjunctive High Pressure Balloon
(Kongou balloon, 3.5 x10mm, 20atm)
Summary

• This is the first in vivo demonstration of coronary artery remodeling by OCT, as sequelae of Kawasaki disease.

• This image suggest that OCT can provide precise local anatomical information and may help us to make better clinical decision.