

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

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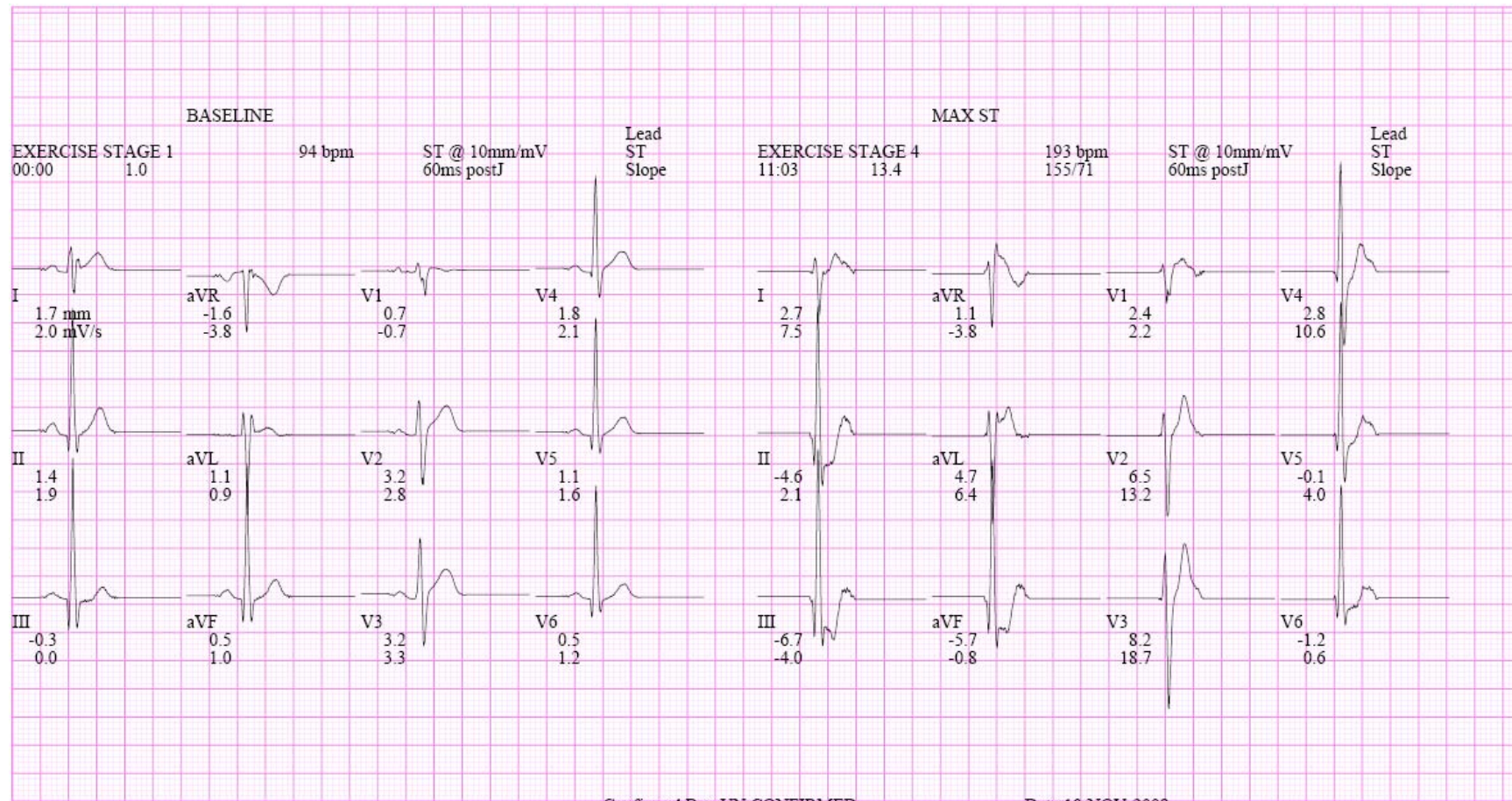
# Case Summary

- 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



Confirmed By: UN CONFIRMED

Date:10-NOV-2008

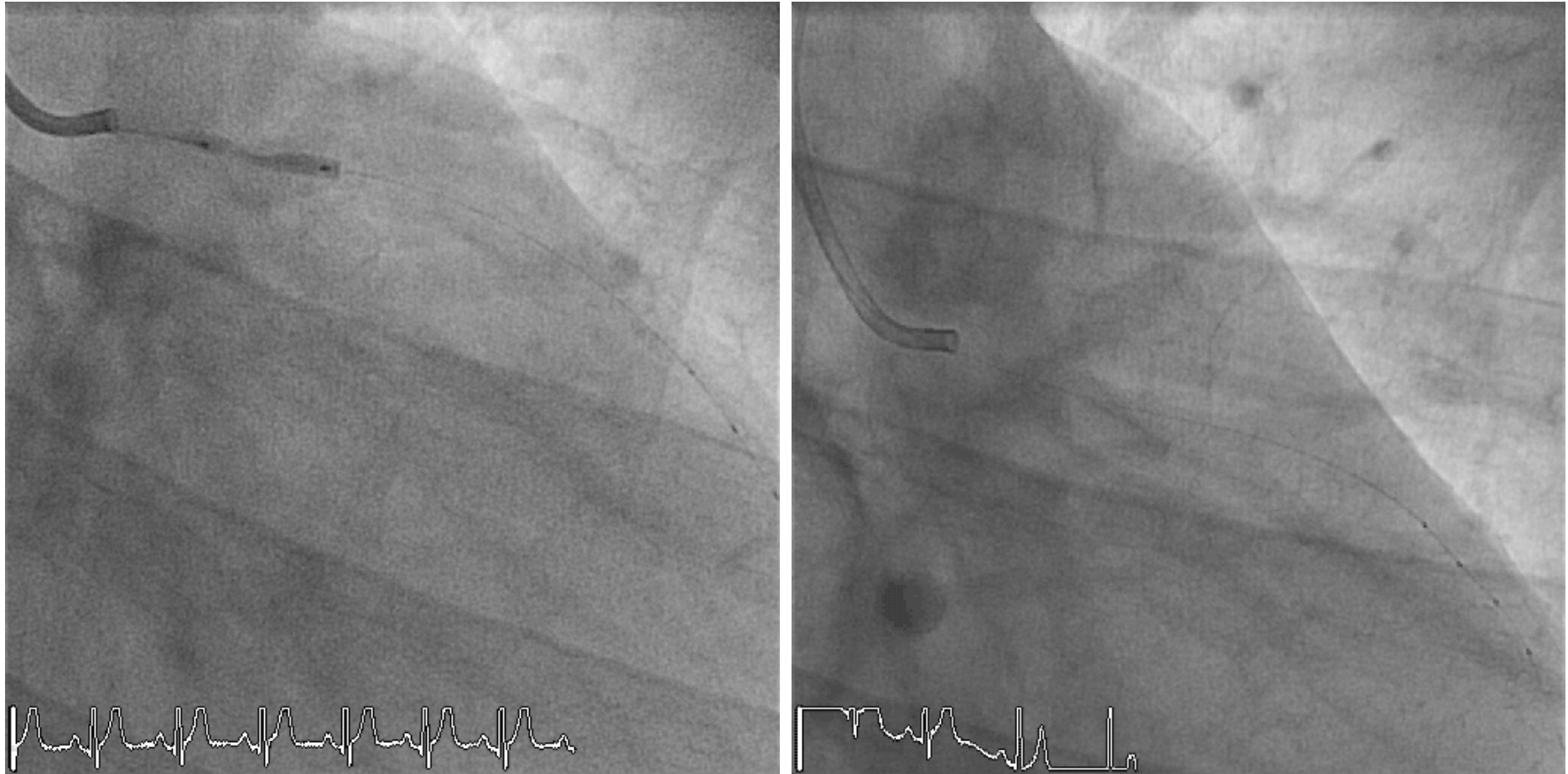


# CAG(Nov, 2008)

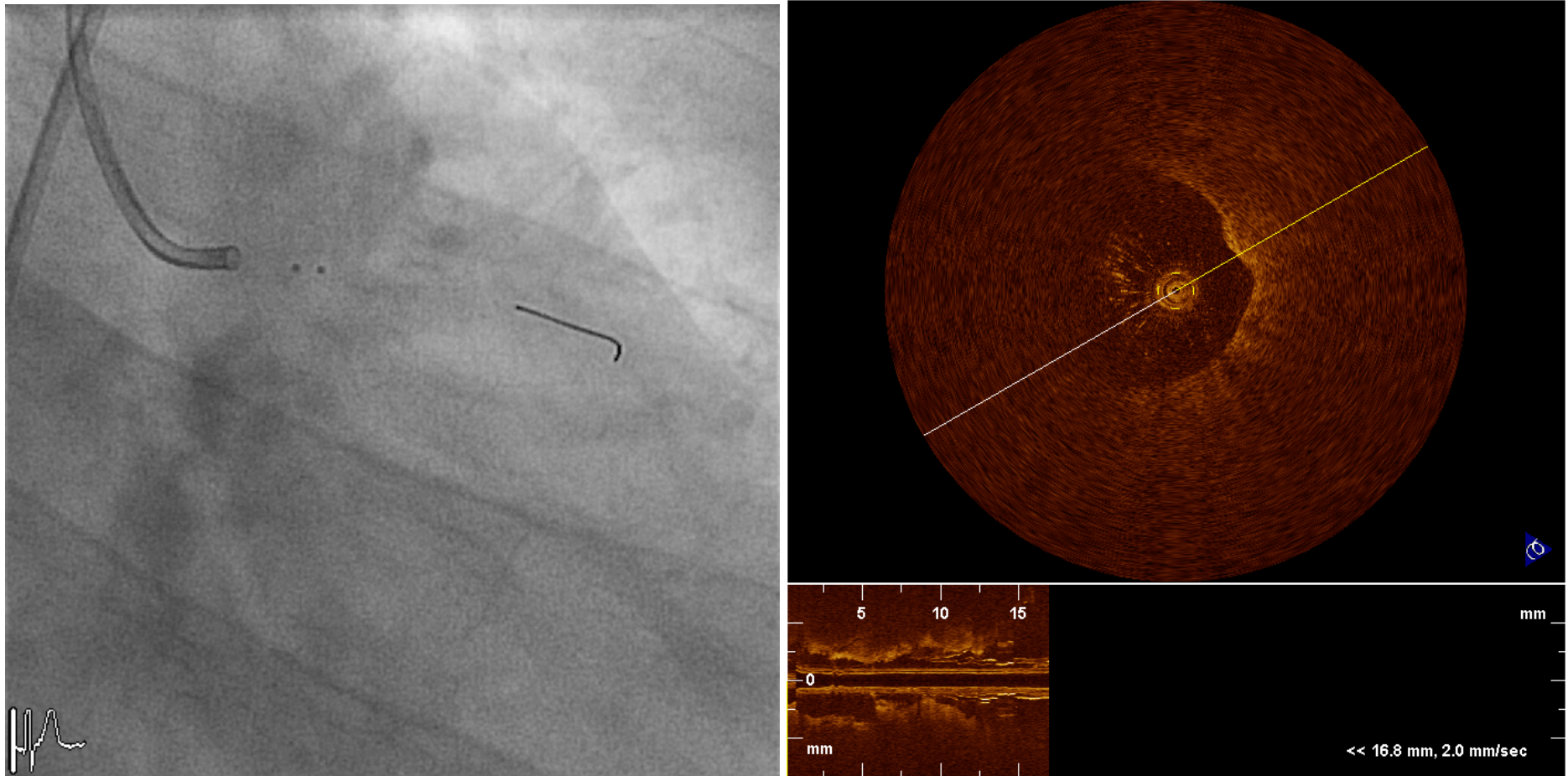


# Predilatation

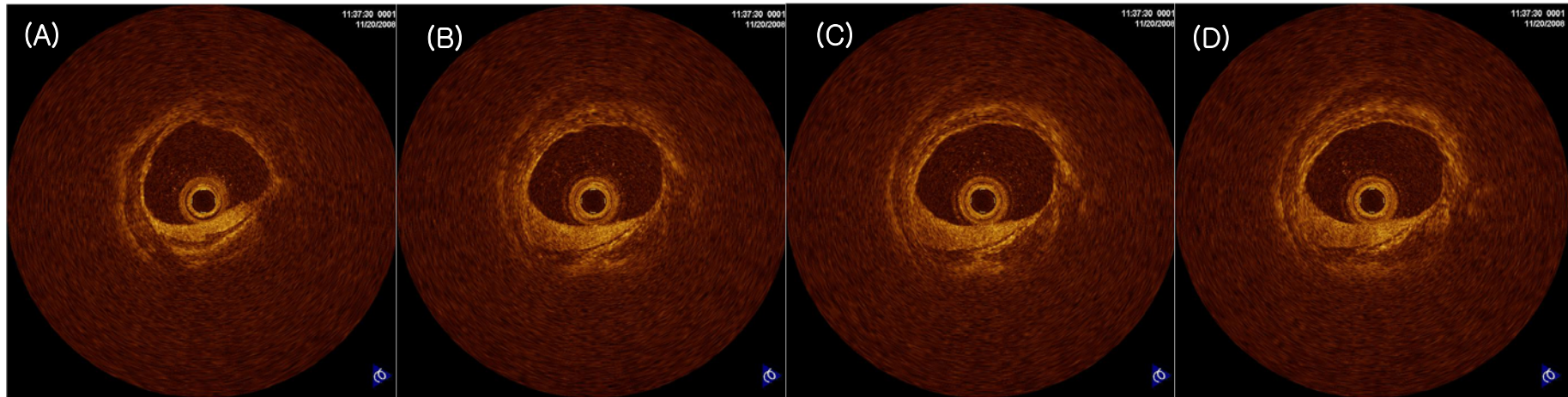
(Ryujin balloon, 2.5 x15mm, 20atm)



# OCT



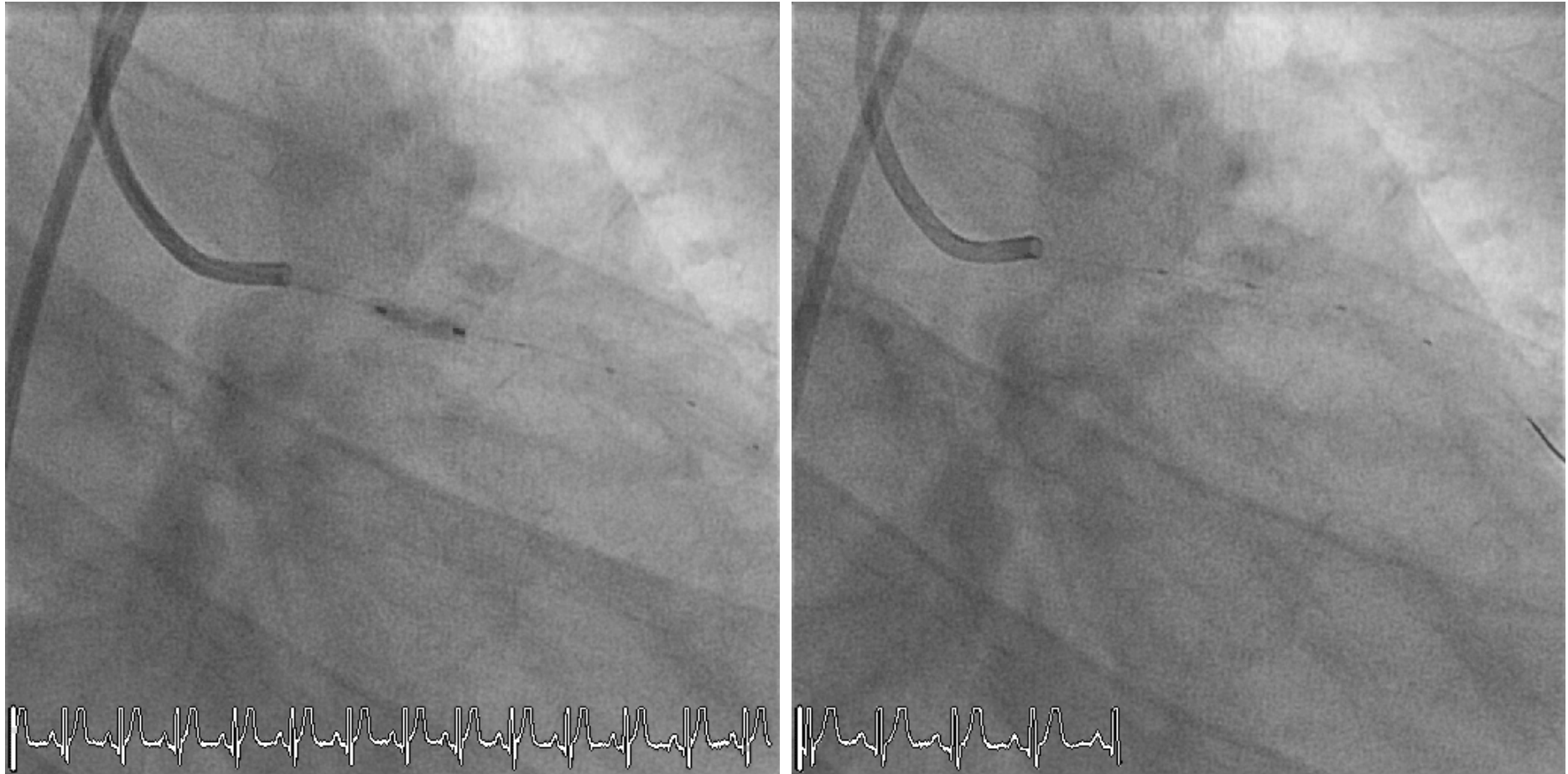
# Still Cuts!





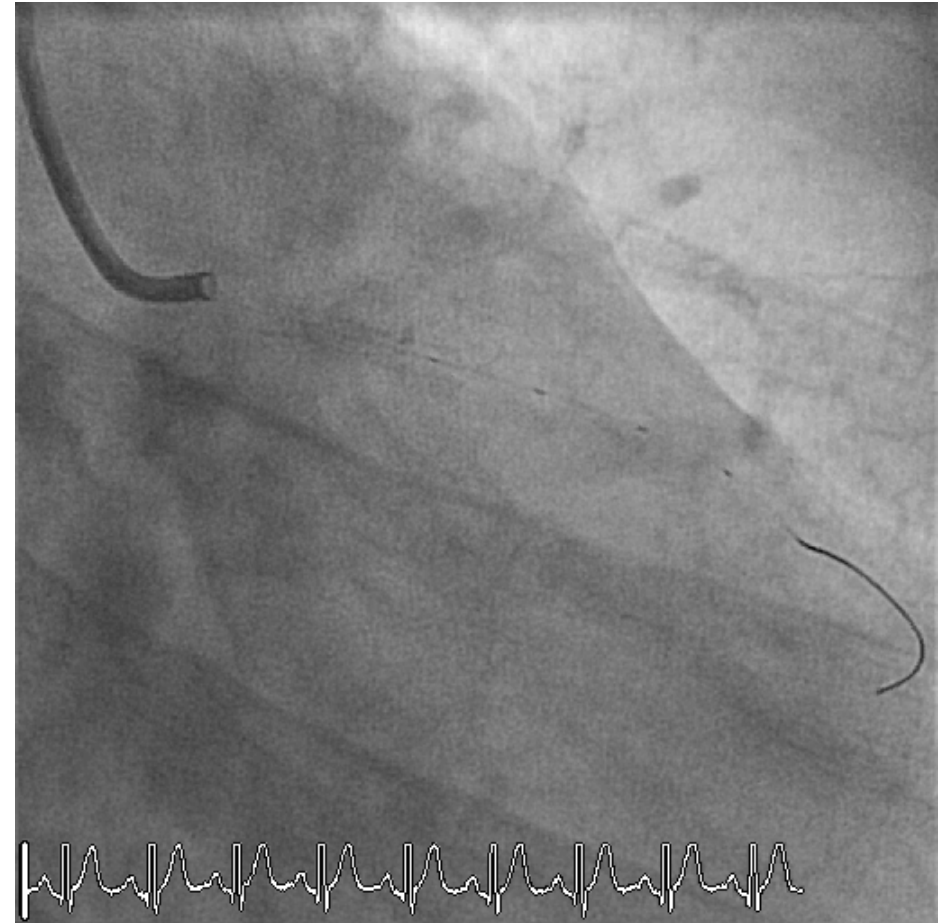
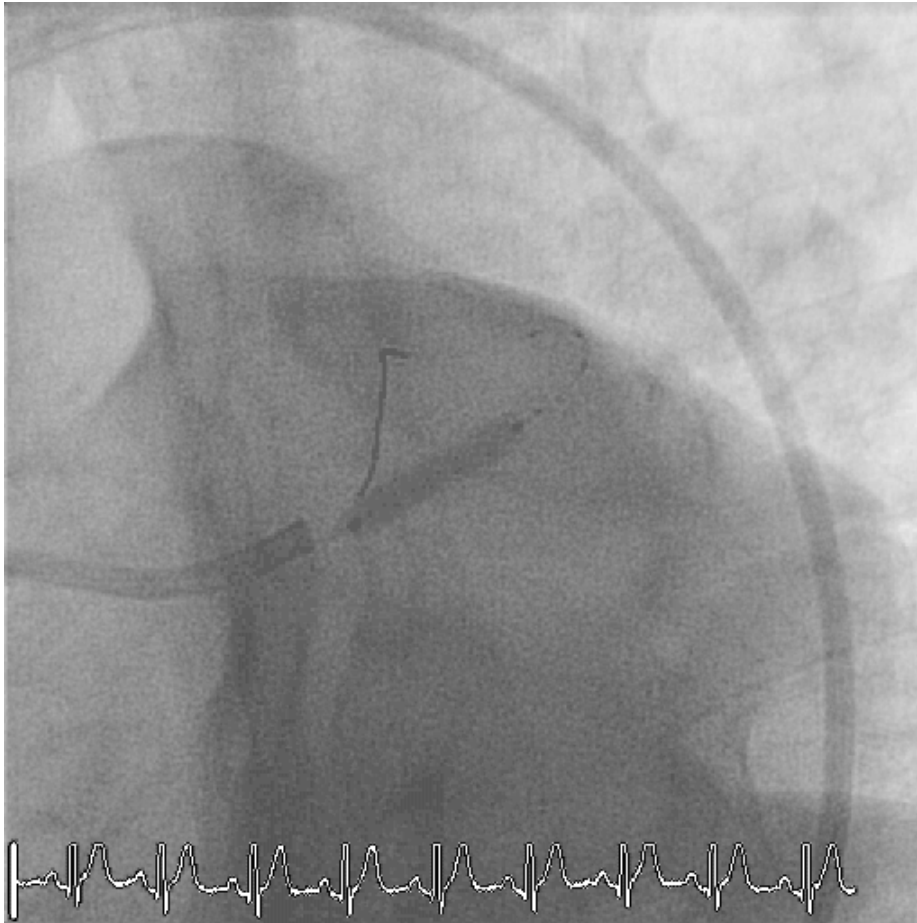
# High Pressure Balloon

(Kongou balloon, 2.5 x10mm, upto 20atm)

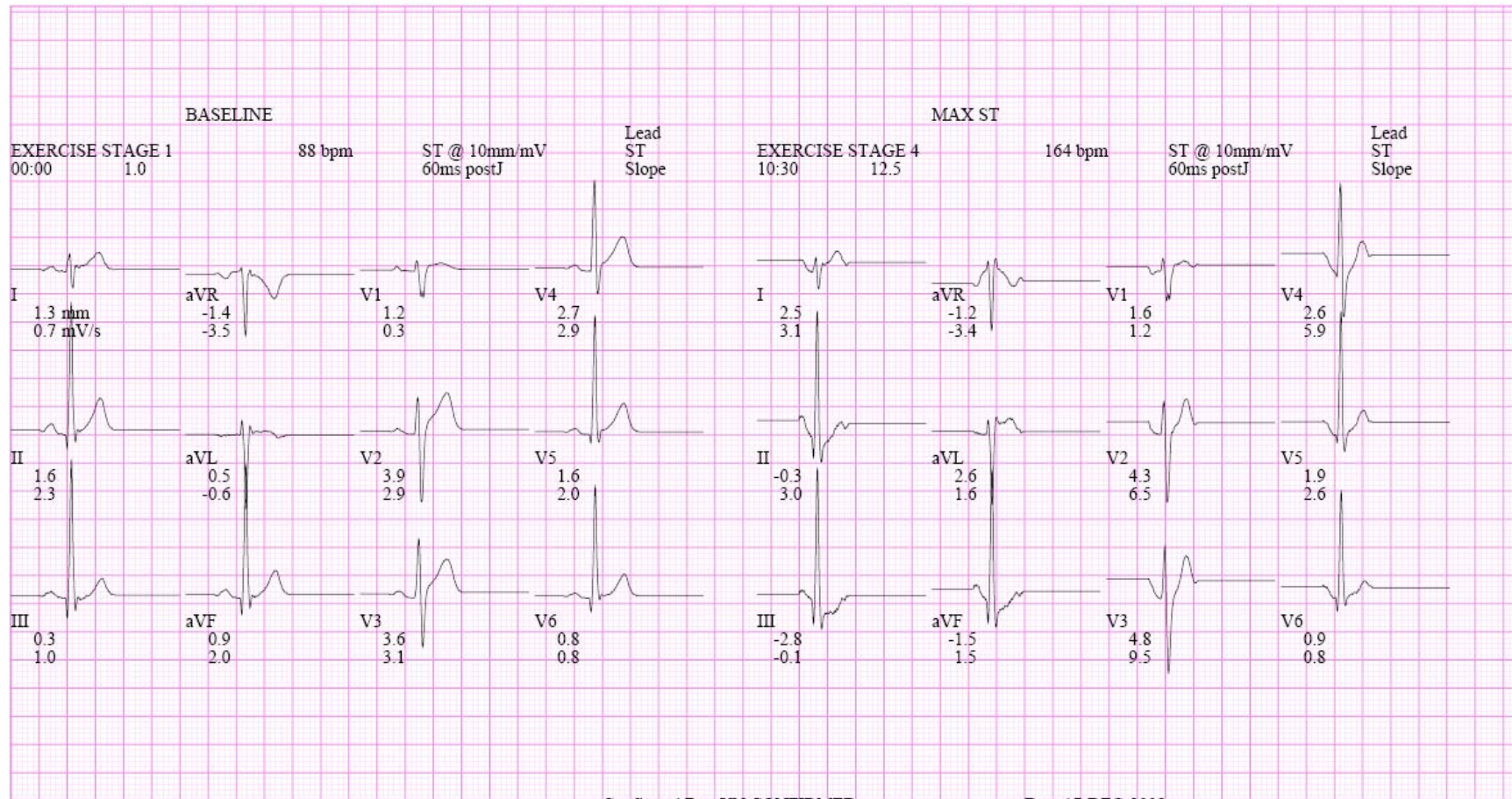


# DES

(PICO stent, 3.0 x 18mm)



# Exercise ECG after PCI

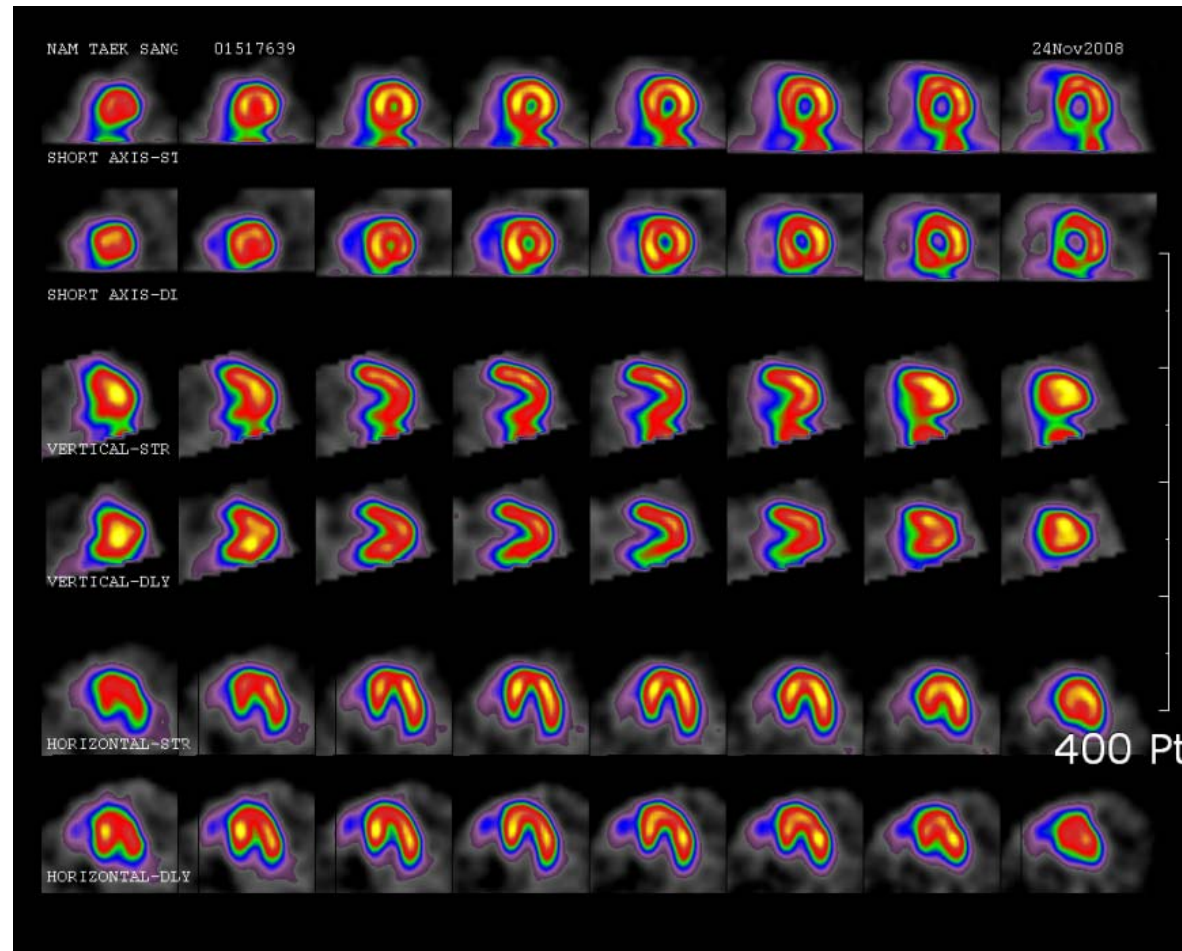


Confirmed By: UN CONFIRMED

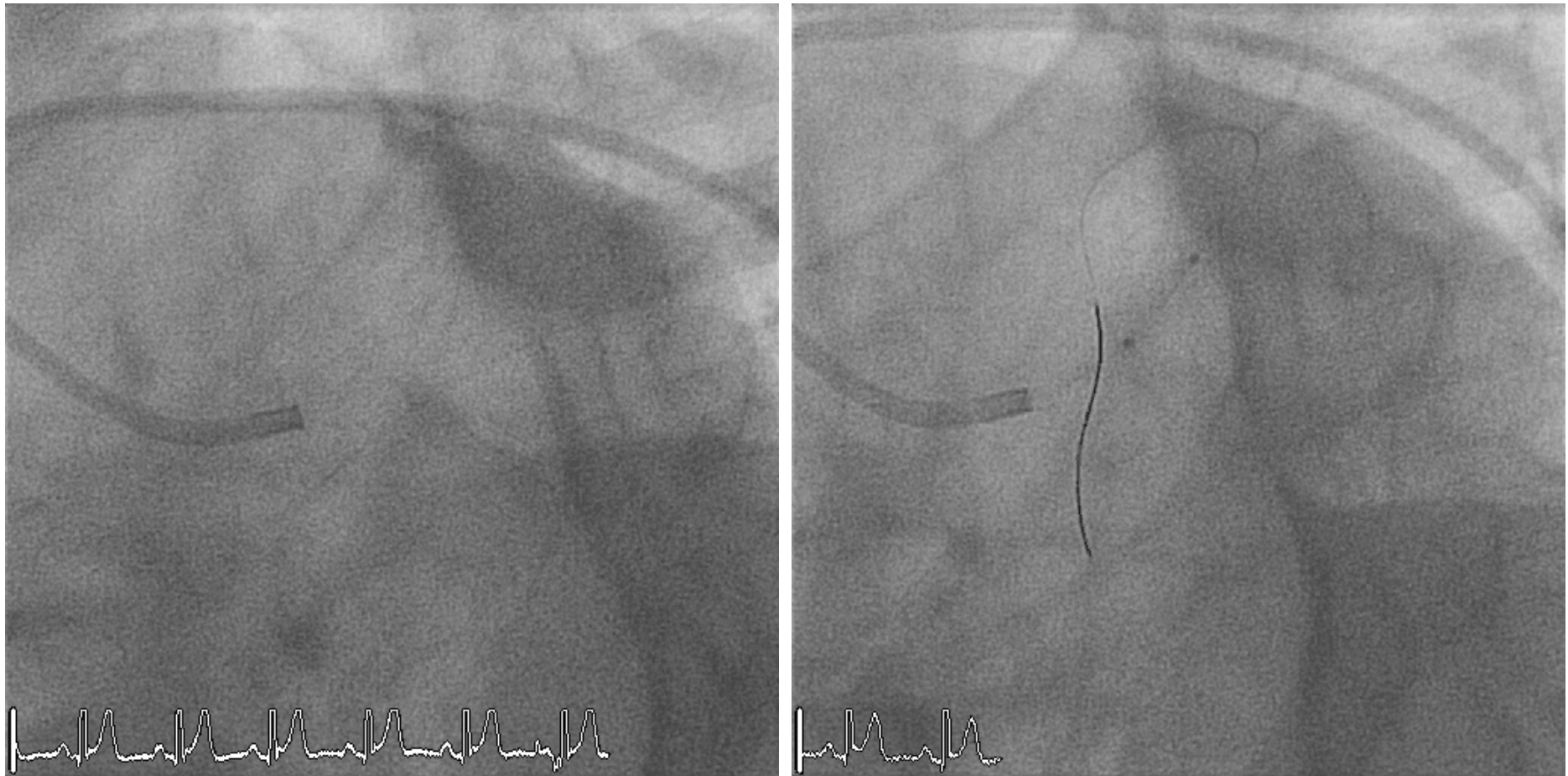
Date:17-DEC-2008



# Heart SPECT(Tl 201) after PCI

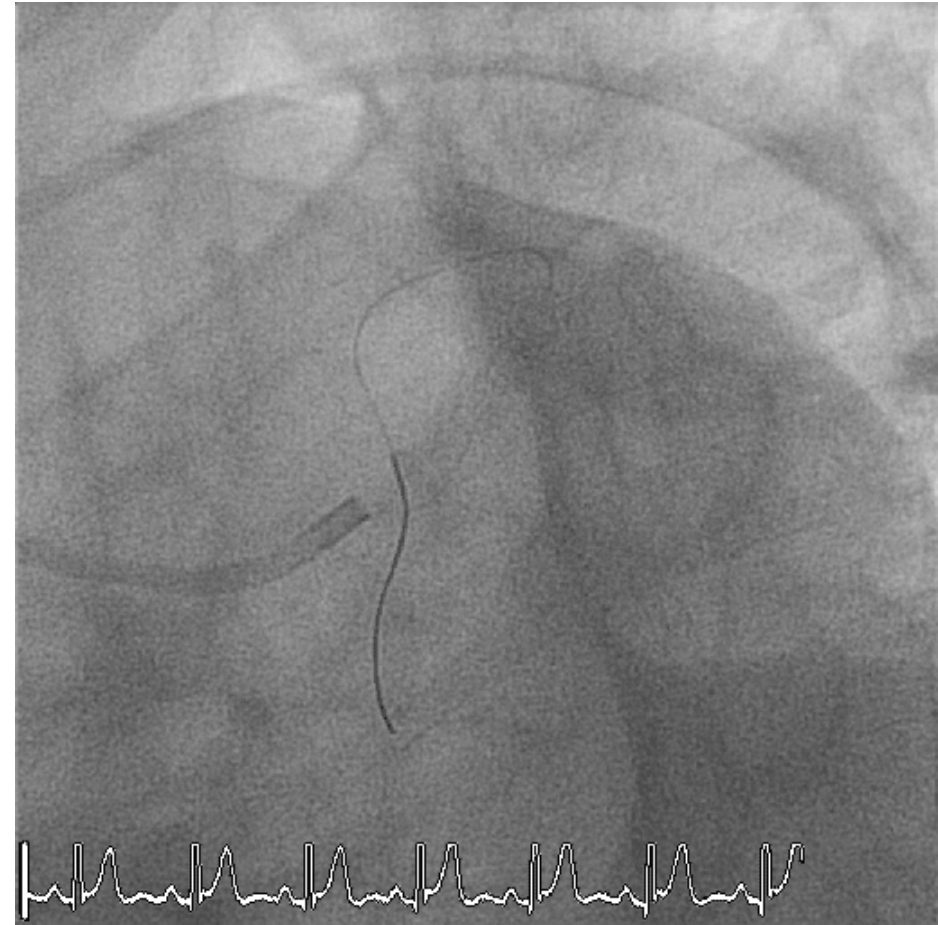
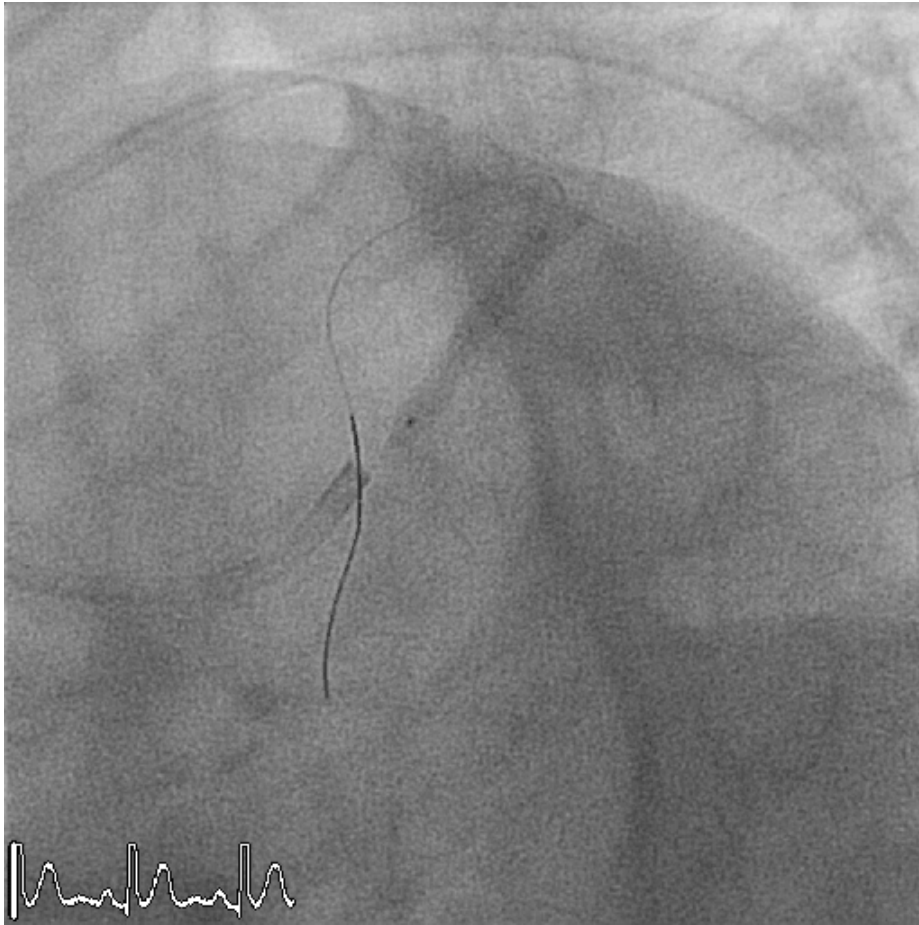


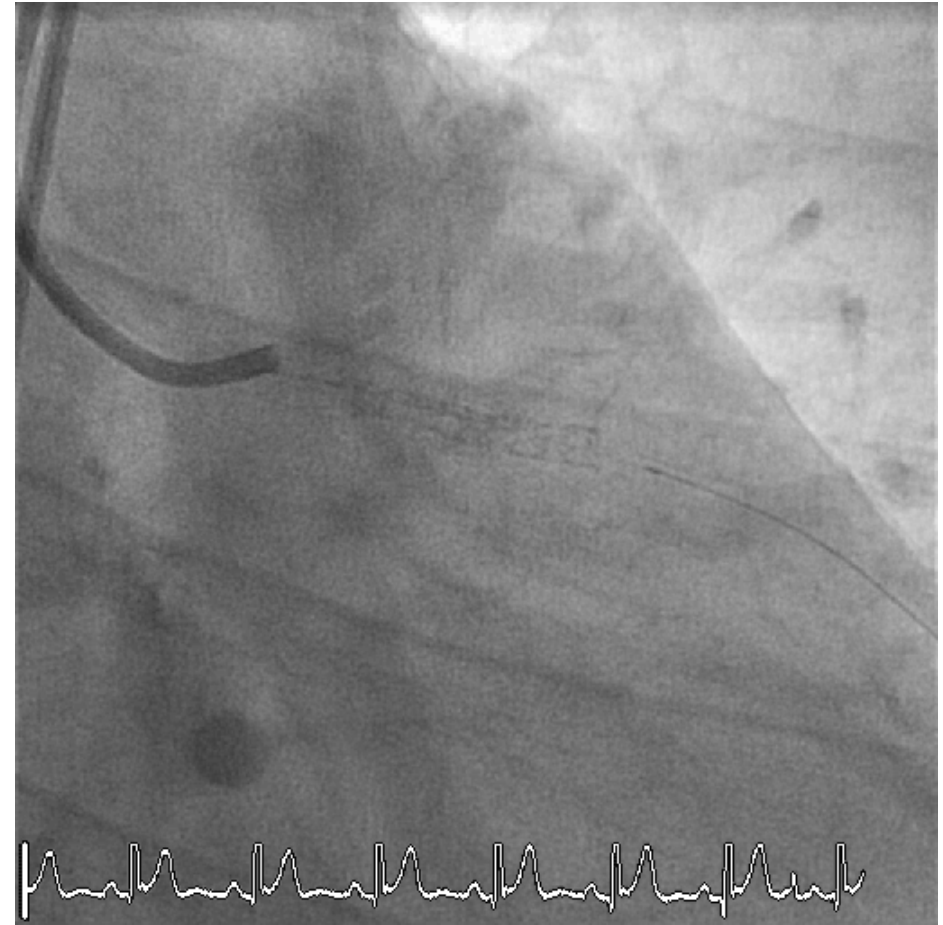
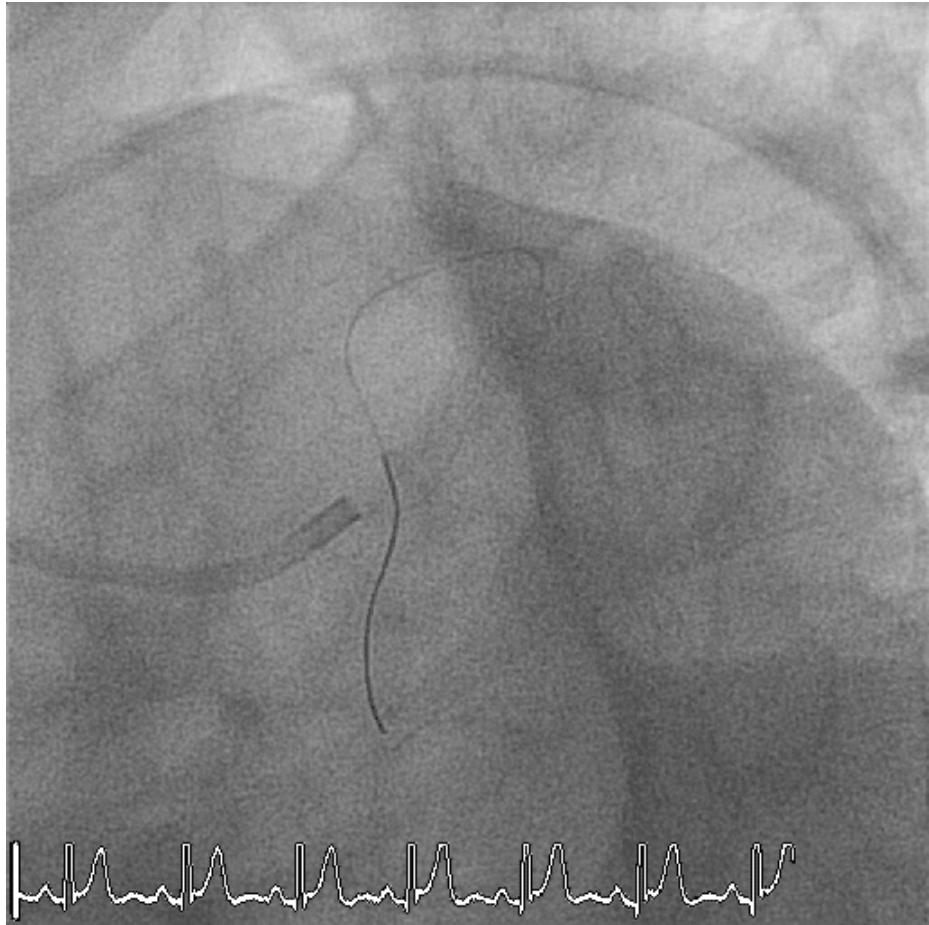
# Recurrent Angina after 9mo



# 2<sup>nd</sup> DES

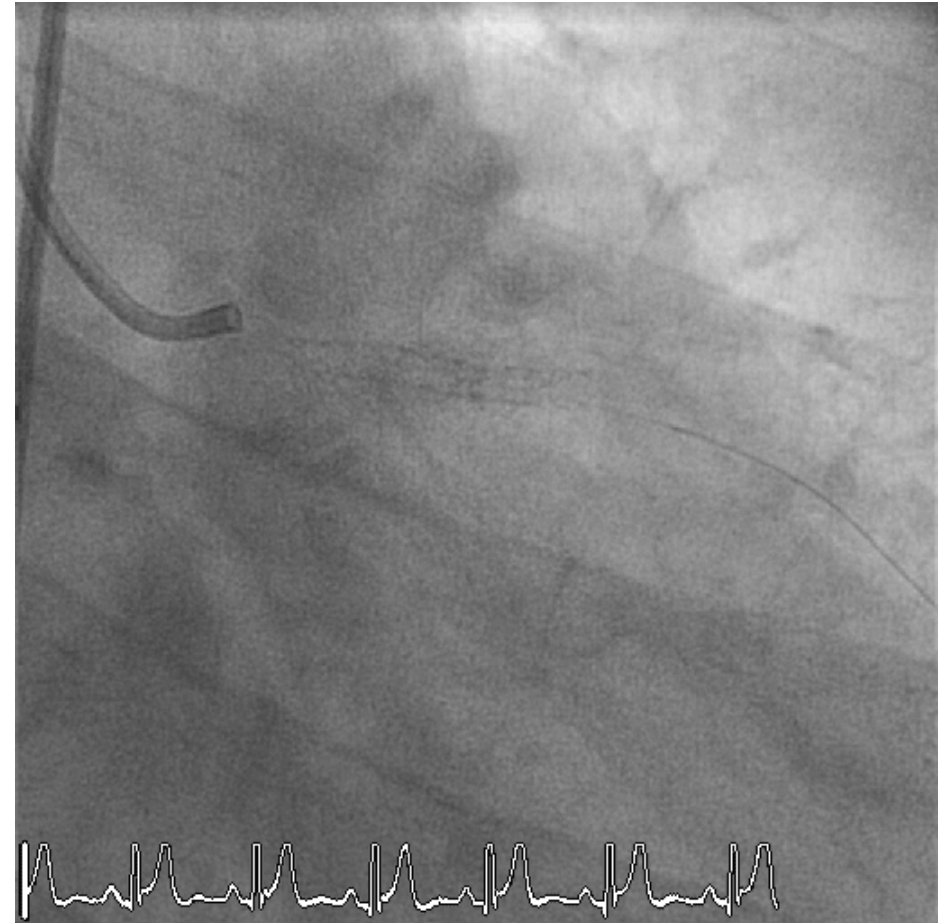
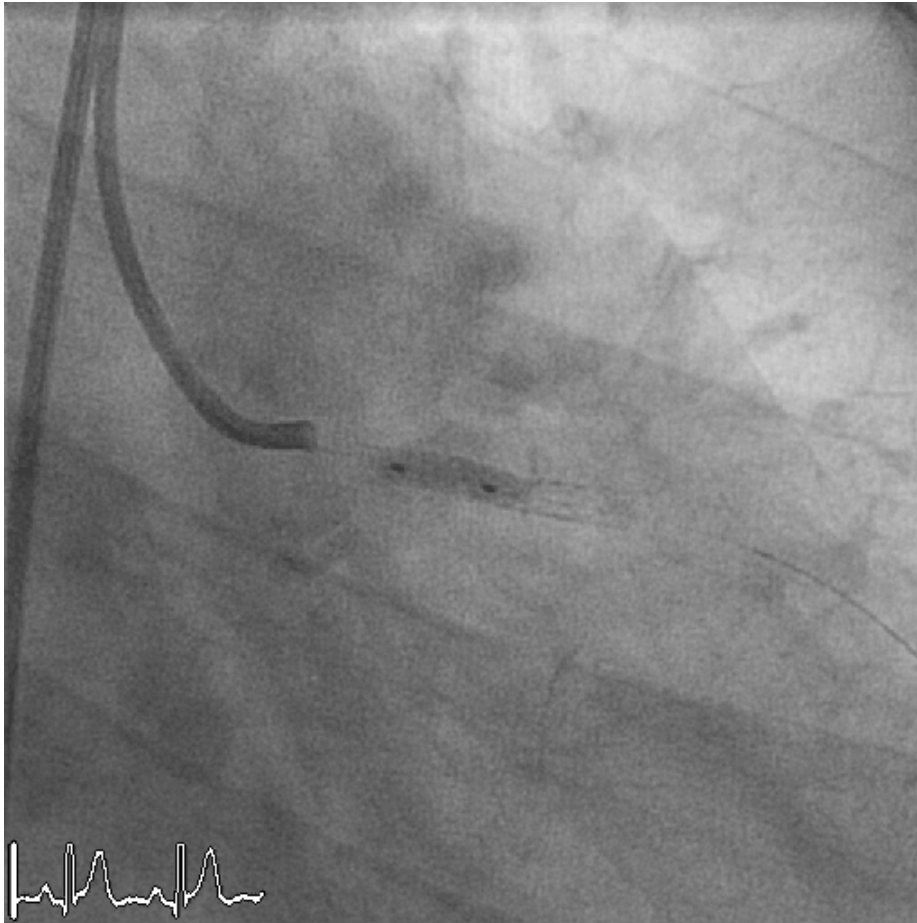
(Cypher select plus stent, 3.5 x 28mm)





# 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.