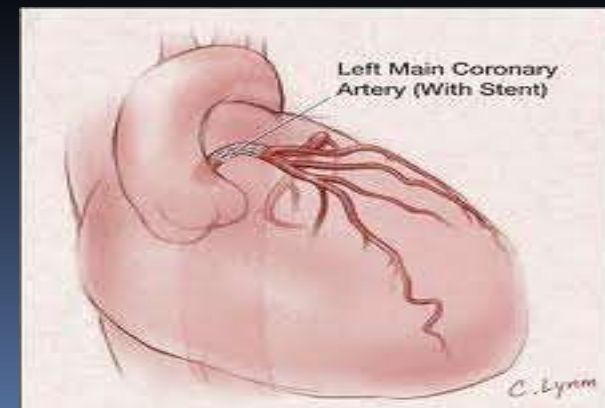



# Left Main Bifurcation TCTAP 2015

DR HAMAT HAMDANI CHE HASSAN,  
AP DR OTEH MASKON,  
DR CHOR CHEE KEN,  
UKM MEDICAL CENTRE  
KUALA LUMPUR



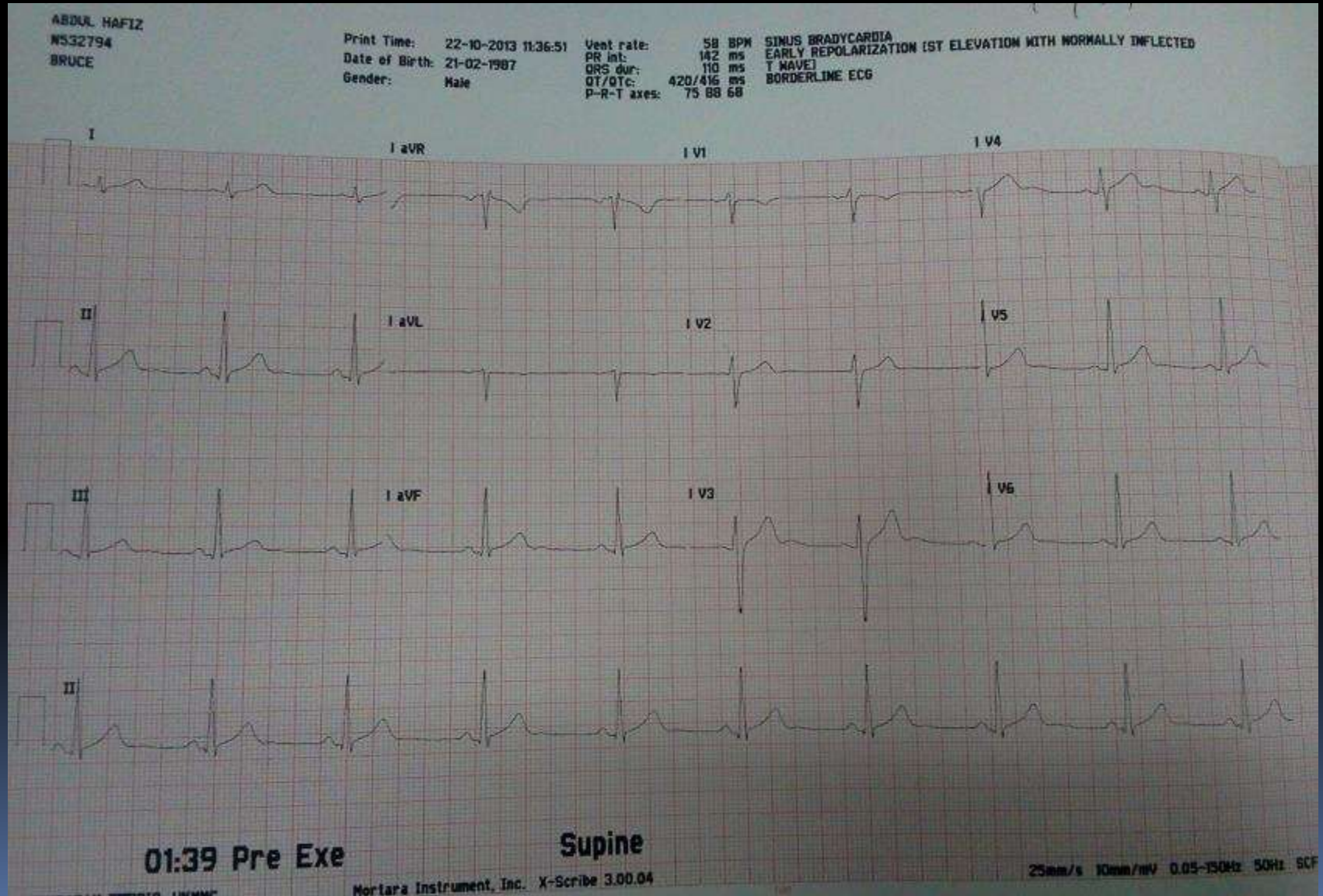
# History

- 25 years old, gentleman, graduated medical student awaiting internship
- Non smoker
- Exercise : Daily.
- BMI 22
- Mother : high cholesterol on treatment
- Grandmother : died at 65 year old for CAD

- 
- Presented with atypical chest pain 1/52
  - He went to another hospital for chest discomfort on exertion
  - Associated mild SOB, sweating and numbness of left upper limb
  - LDL 9.0mmol+
  - ECG reported normal



# Baseline ECG



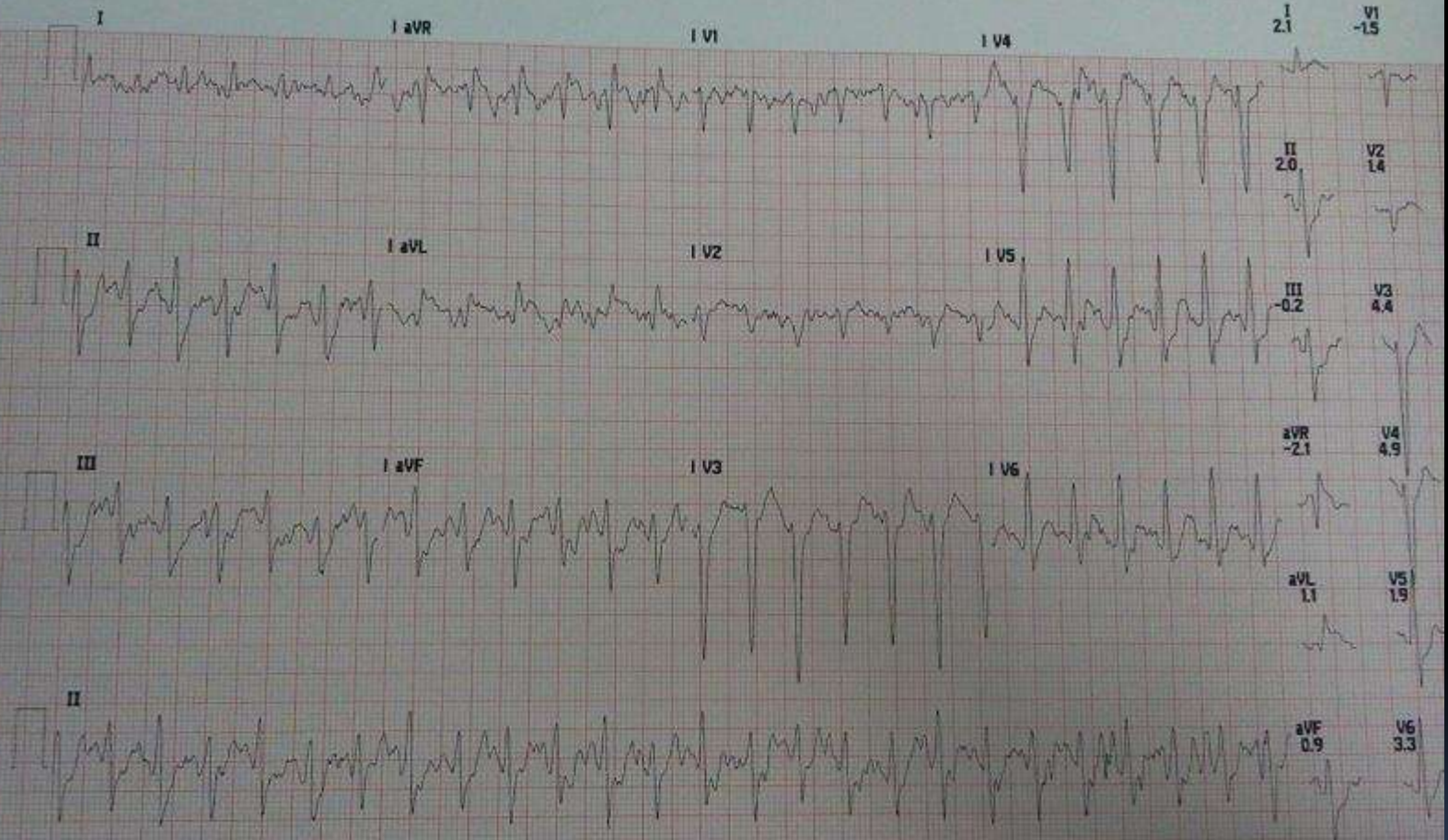
ABDUL HAFIZ  
NS32794  
BRUCE

Print Time: 22-10-2013 16:51:41  
Date of Birth: 21-02-1987  
Gender: Male

12:03 EXER  
00:03 STAGE 5

6.7 km/h  
16.0 %

RATE 178  
BP 143/79  
EXE 11:40



Peak Exe

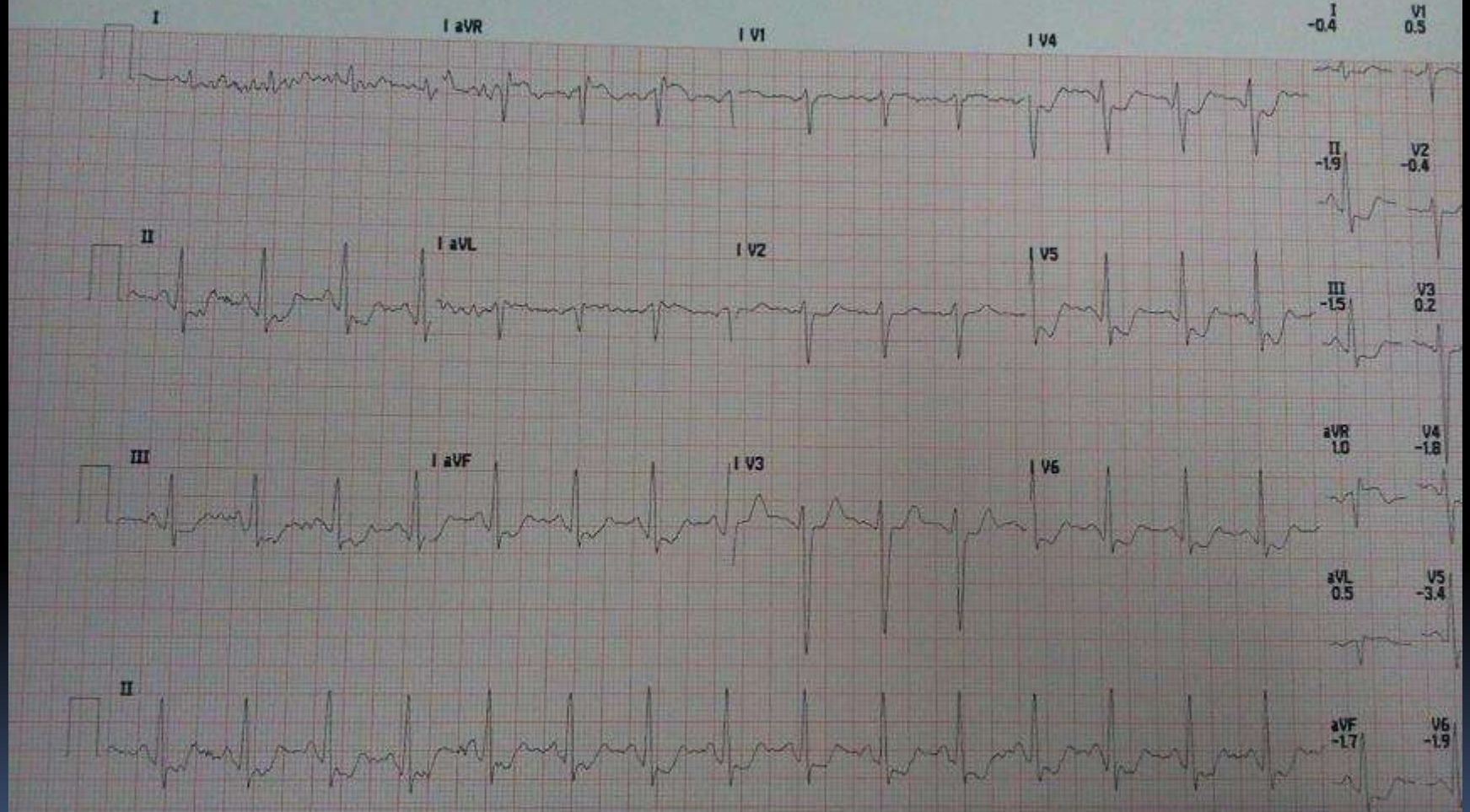
N532794  
BRUCE

Print Time: 22-10-2013 11:59:40  
Date of Birth: 21-02-1987  
Gender: Male

12:03 EXER  
08:00 REC

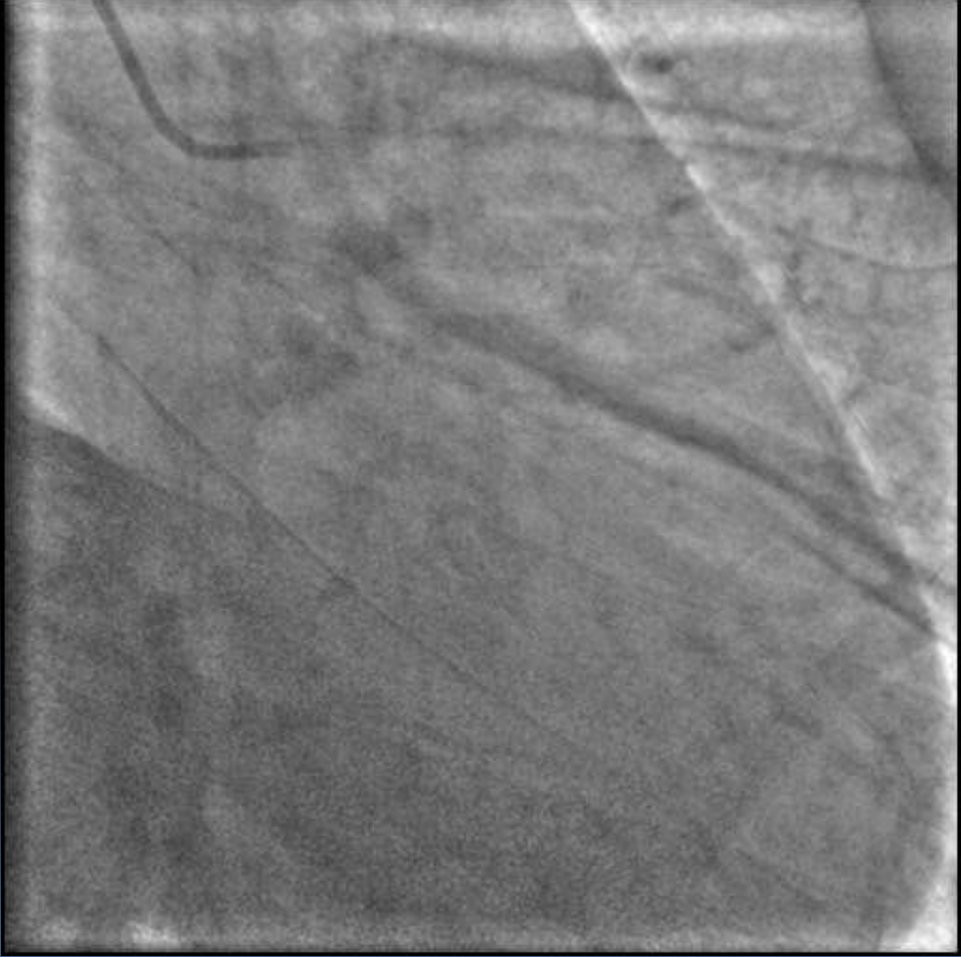
--- km/h  
---%

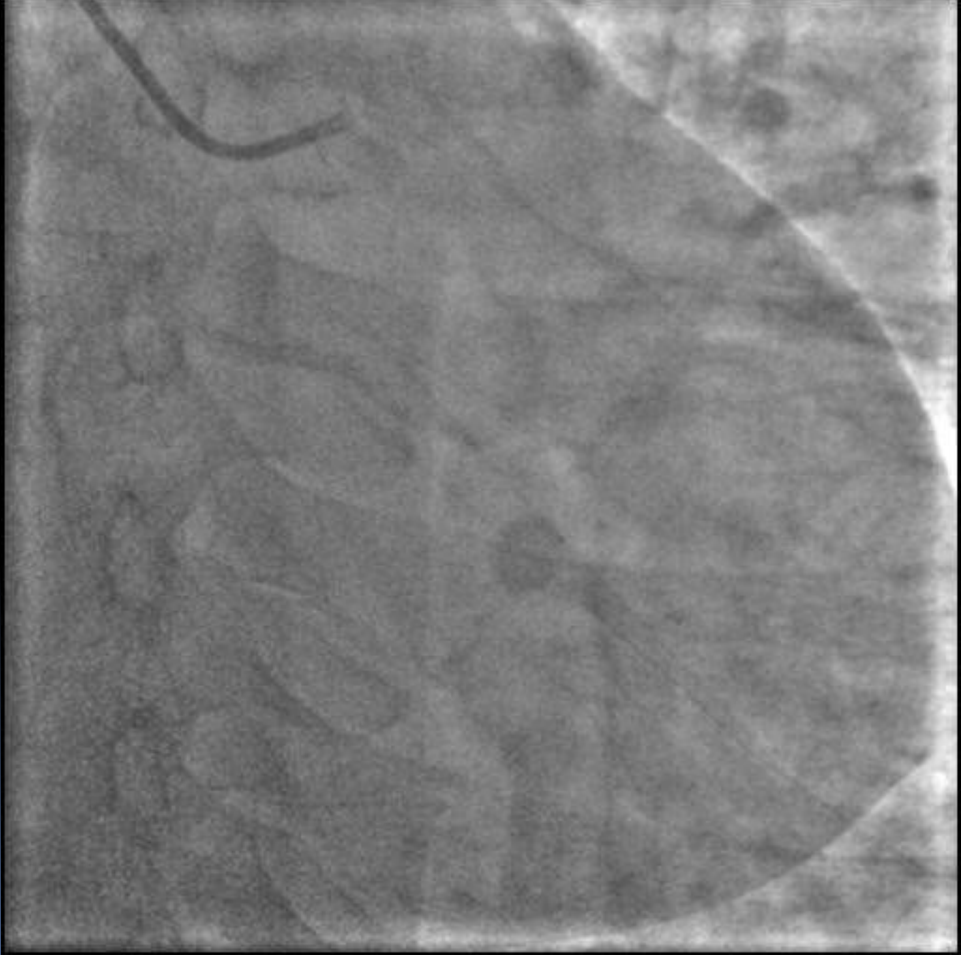
RATE 106  
BP 130/50  
REC 06:38















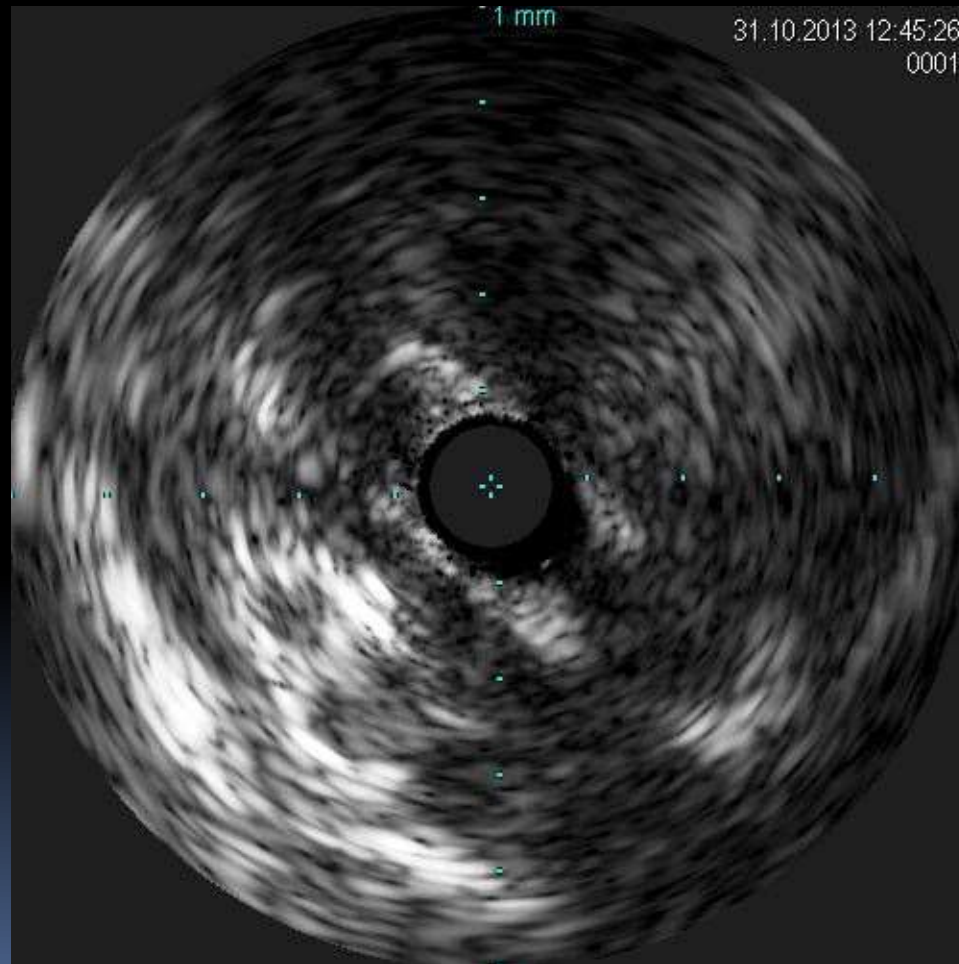




# CORONARY ANGIOGRAM

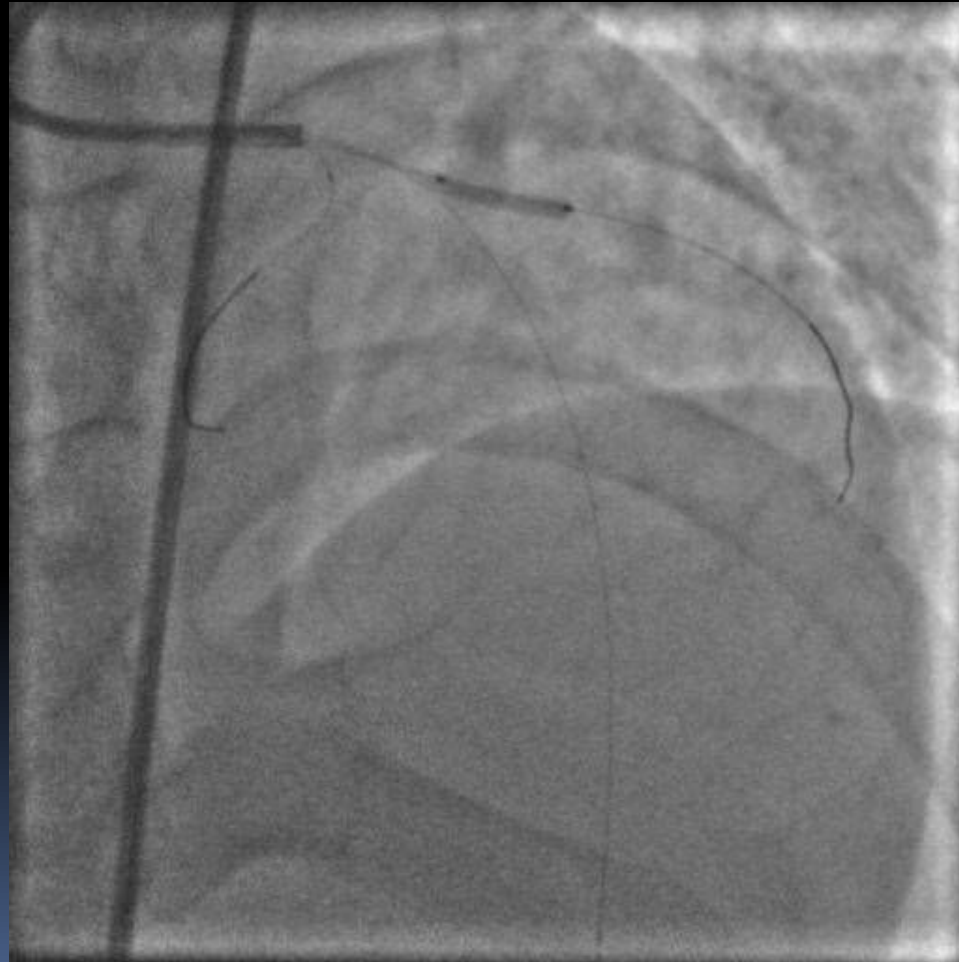
- Imp : severe 2vd ( os- prox LAD & osLCX) with distal LMS involvement- LMS bifurcation Medina 1,1,1- Syntax score 23
  - CABG?
  - PCI
  - Hybrid/semi-hybrid?
  - If PCI - ?strategy ?which stent/s

LAD CSA 3.0mm<sup>2</sup>, LMS CSA 5.1mm<sup>2</sup>



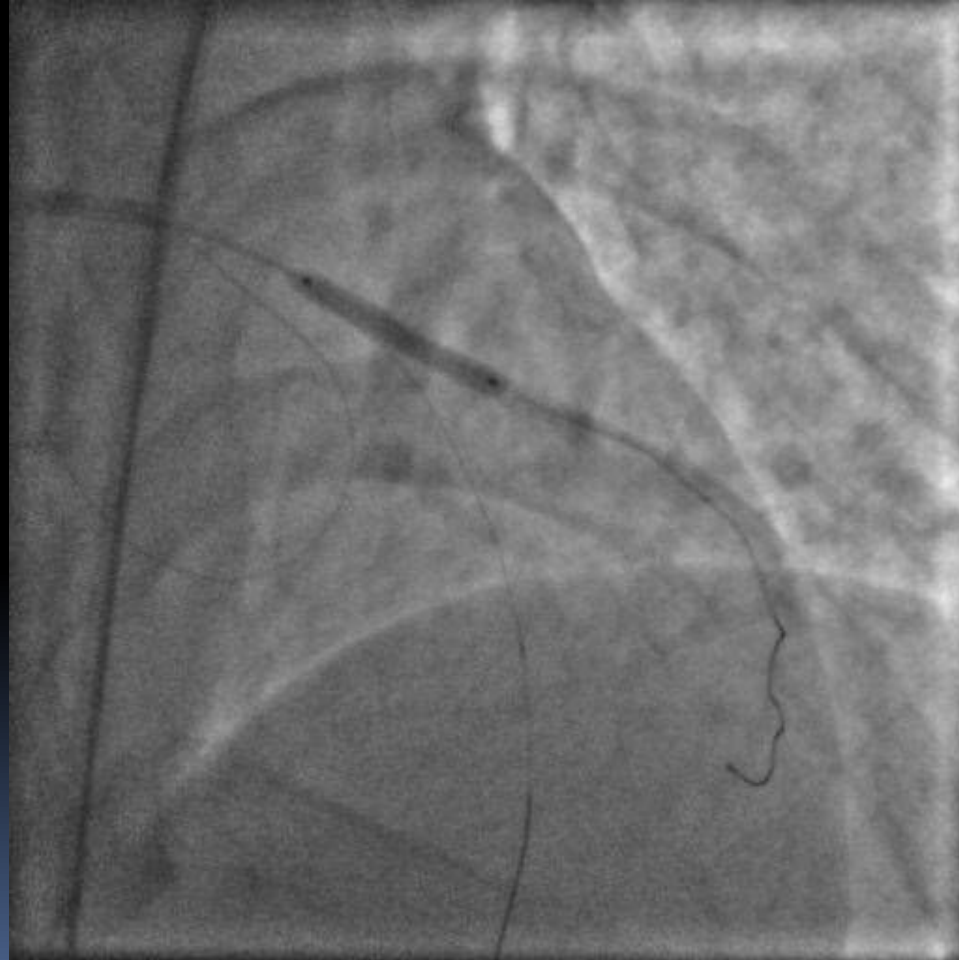


# Sapphire II 2.0X15mm and Tazuna 3.0X15mm



BMW wire to  
LCX,  
Choice PT  
wire to LAD,  
BMW to  
anchor

# DEB Sequent Please 3.0X20mm

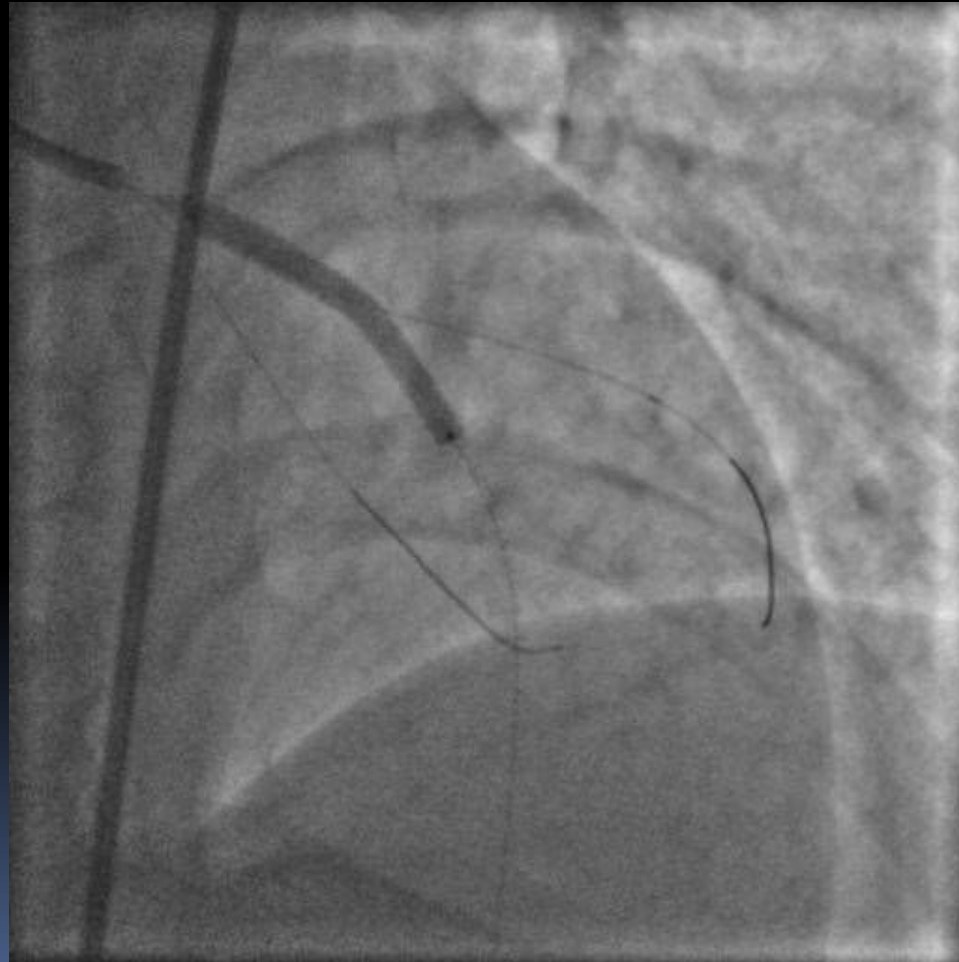




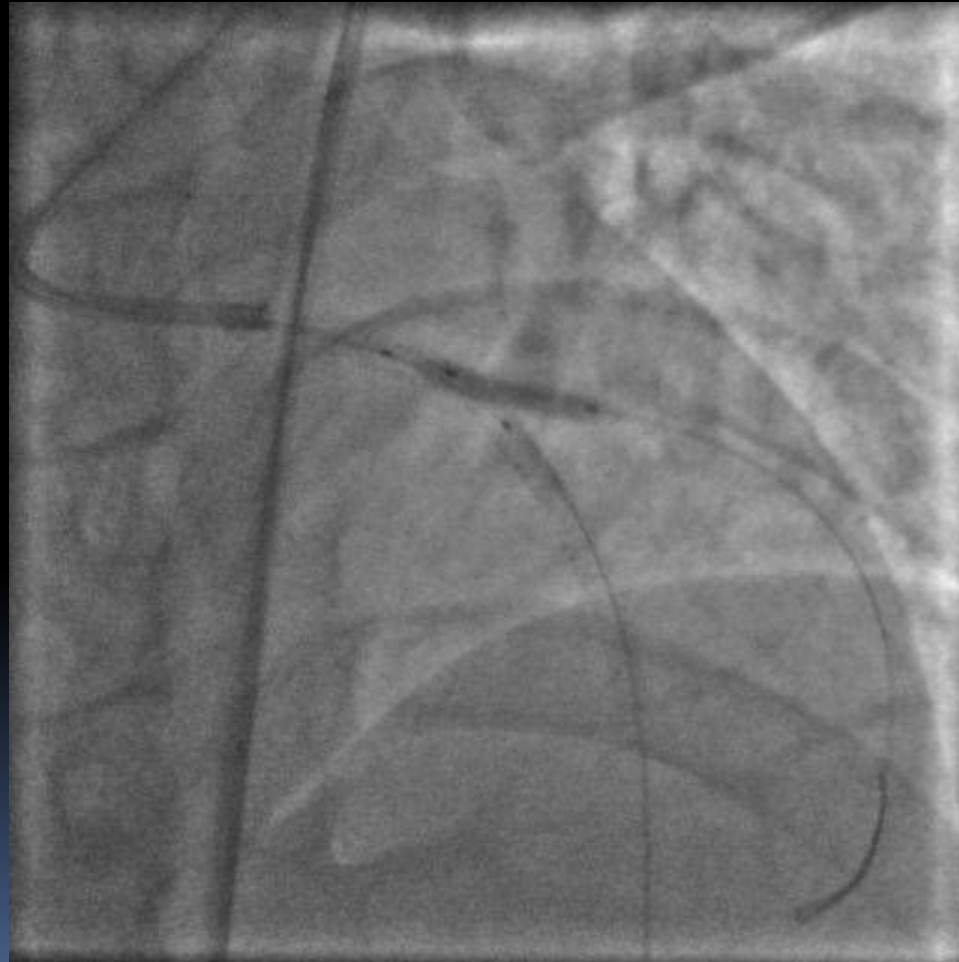
Xience V 30x28mm 14atm



# Promus Element 3.5x32mm 14atm



Recross the LCX and post dilate w  
Tazuna 3.0X15mm



Post dilate LAD to LMS w Sapphire  
NC 3.5X15mm- 18atm











LAD CSA 7.3mm<sup>2</sup>, LMS CSA 9.2mm<sup>2</sup>



# Optimal Medical Therapy

- Prasugrel 10mg OD,
- Aspirin 100mg OD,
- Atorvastatin 80mg Nocte,
- Metoprolol 25mg BD,
  
- Repeat EST in one month- Normal
- Family screening



# Thank you

- Questions or comments
- 