DECIDED TO GENTLEMAN Α ERG CSOREE **O** AP B KOREAS

DR. KAISAR NASRULLAH KHAN CONSULTANT CARDIOLOGIST UNITED HOSPITAL LTD

Potential conflicts of interest

Speaker's name: Kaisar Nasrullah Khan

I have the following potential conflicts of interest to report:

- **Research contracts**
- Consulting
- **Employment in industry**
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

I do not have any potential conflict of interest

History

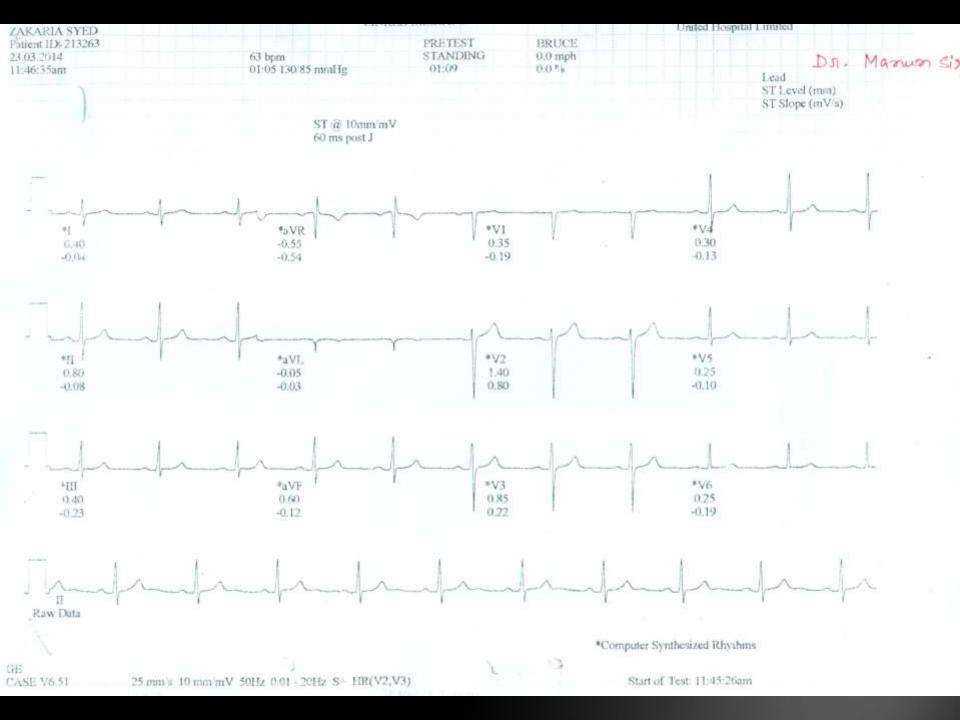
Mr. ZS, a 47 years old gentleman had been suffering from central chest pain on exertion for 7 days.

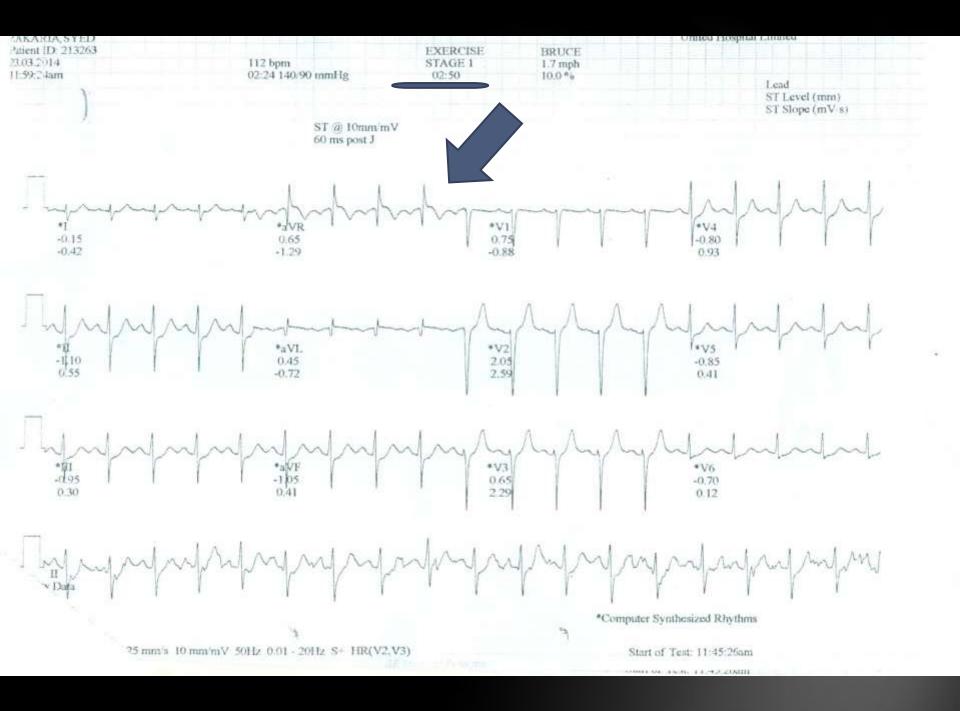
Risk factor HTN, Dyslipidaemia, family history +ive(mother and elder brother had CAD.)

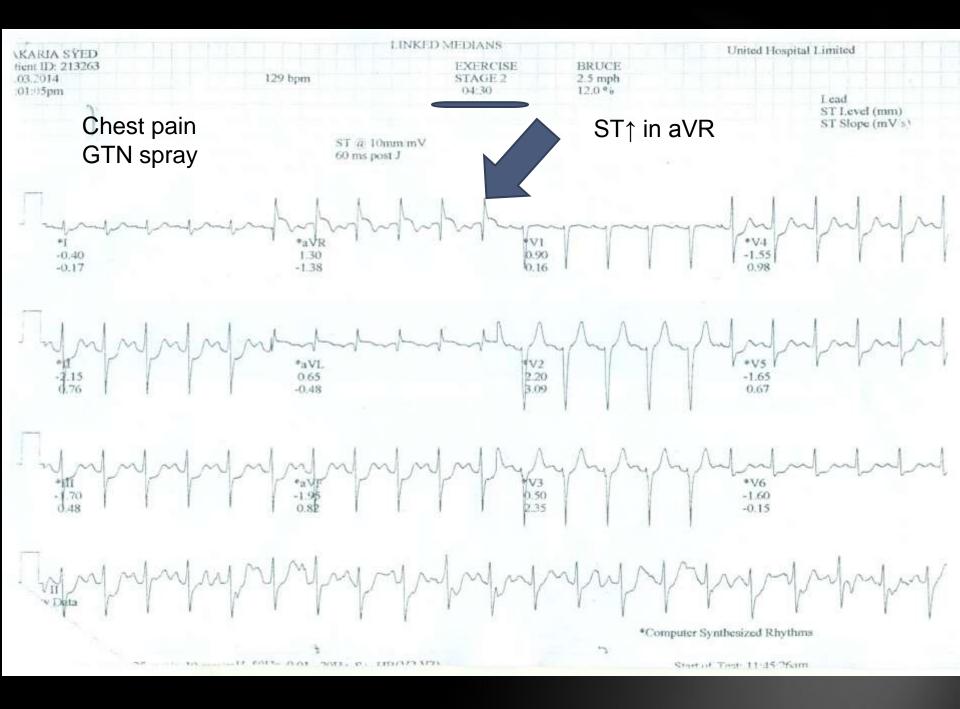
So, he decided to undergo cardiac screening tests on his own.

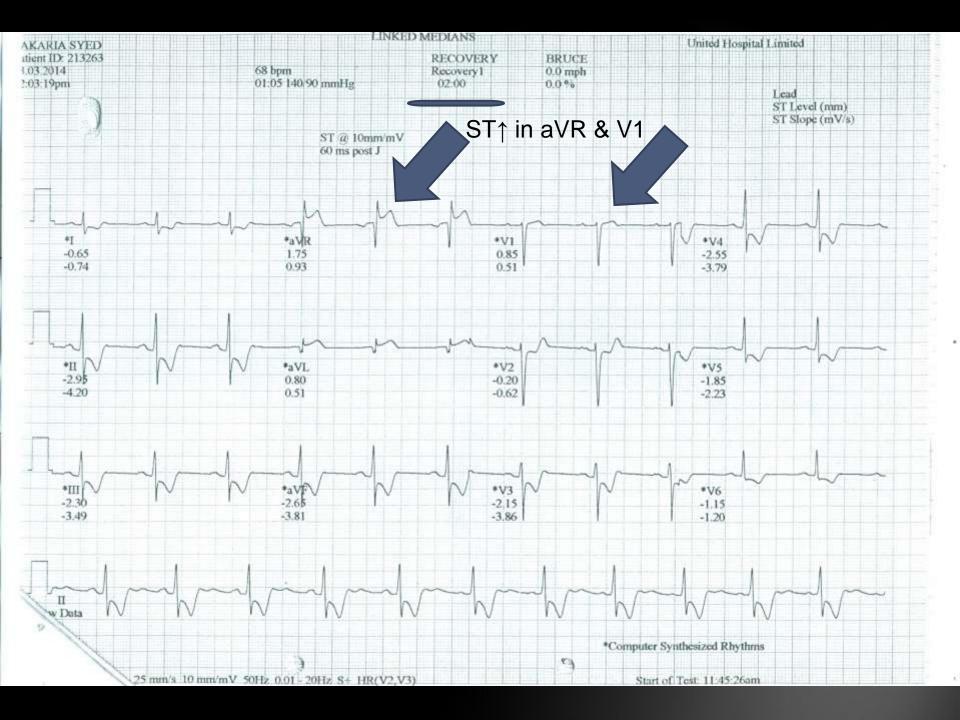
Investigation

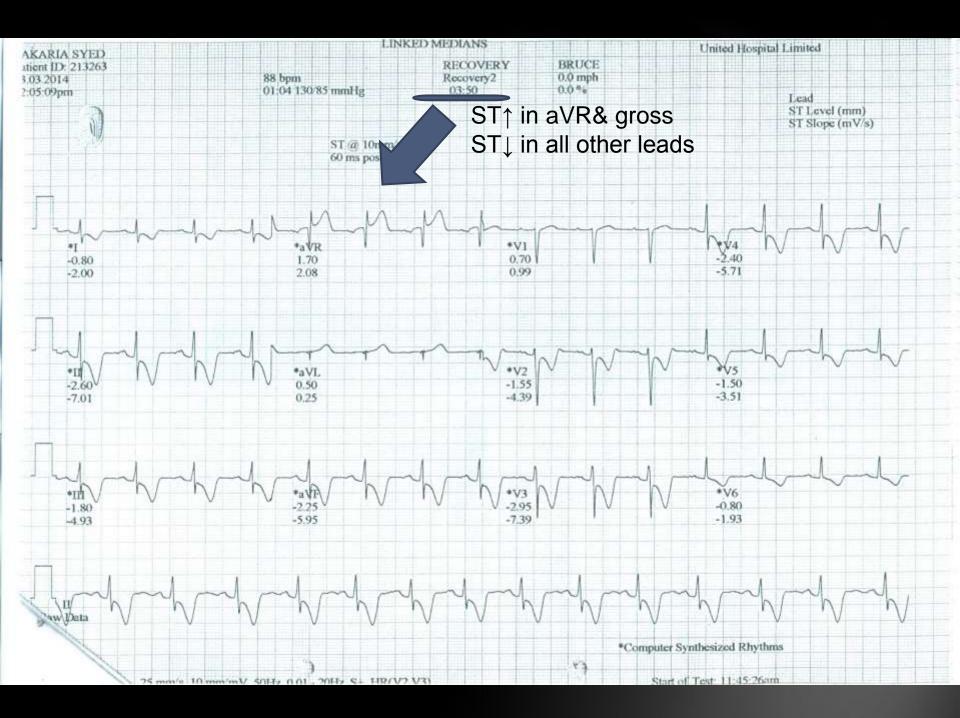
ECG : Normal. Echocardiography : Normal EF=65% ETT : strongly +ive Positive stage 2

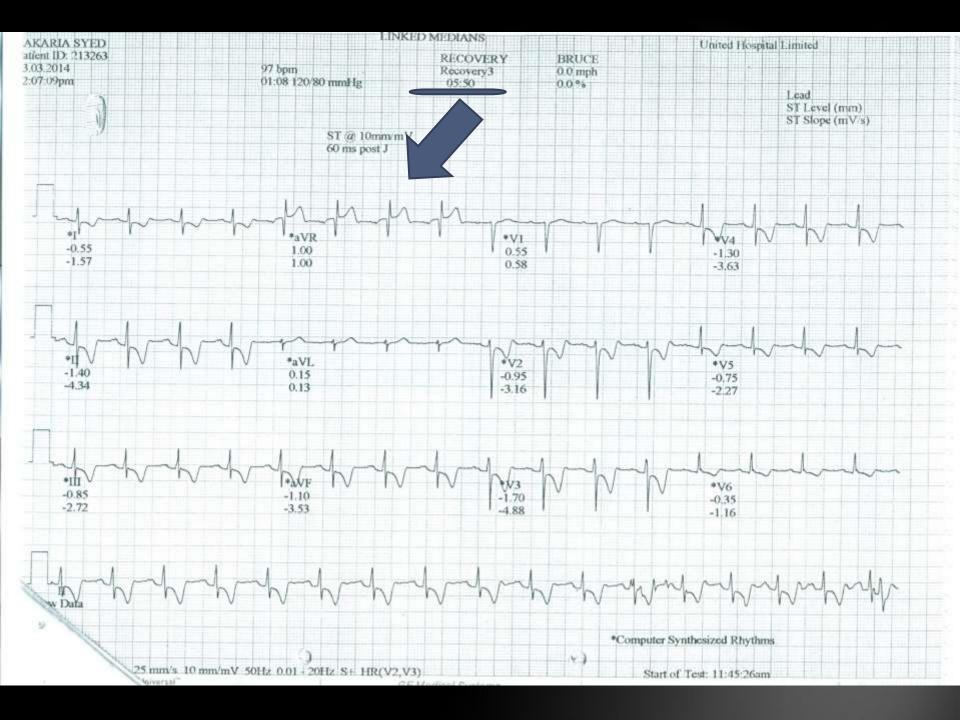


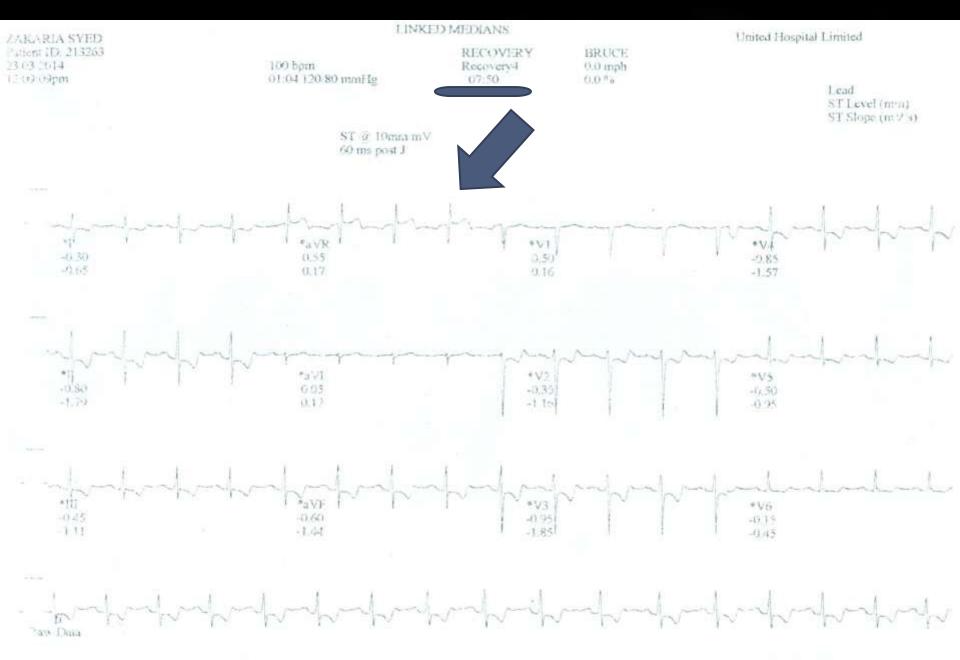












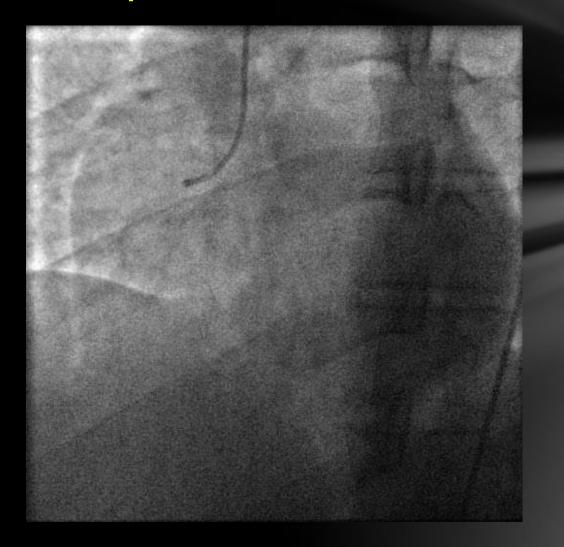
ECG prediction of L.main stenosis

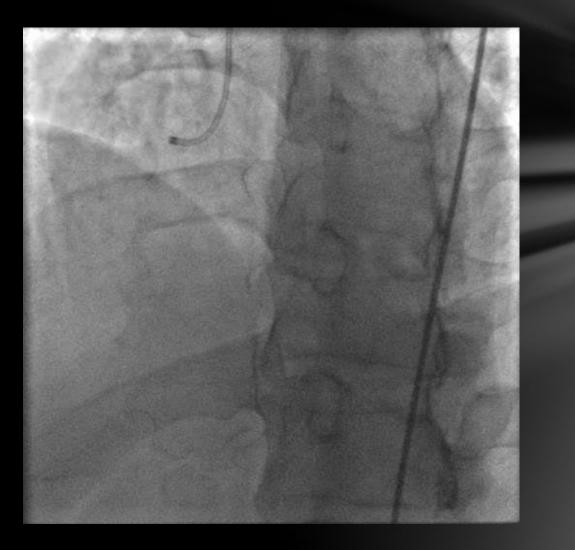
an aVR ST-segment elevation can predict left main stenosis in patients with ACS, and its early recognition can improve clinical outcomes in these patients.

So we took him to cathlab for urgent CAG

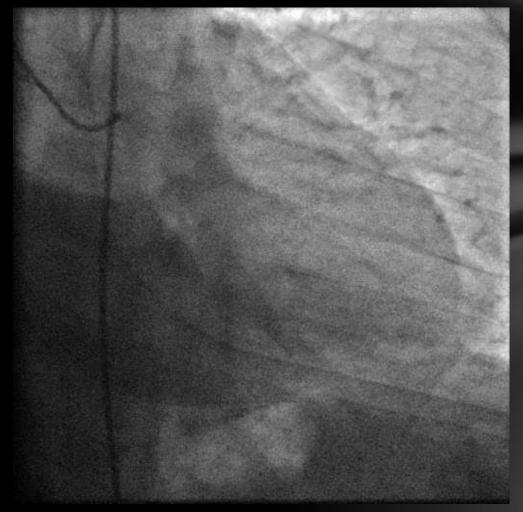
CAG showed-

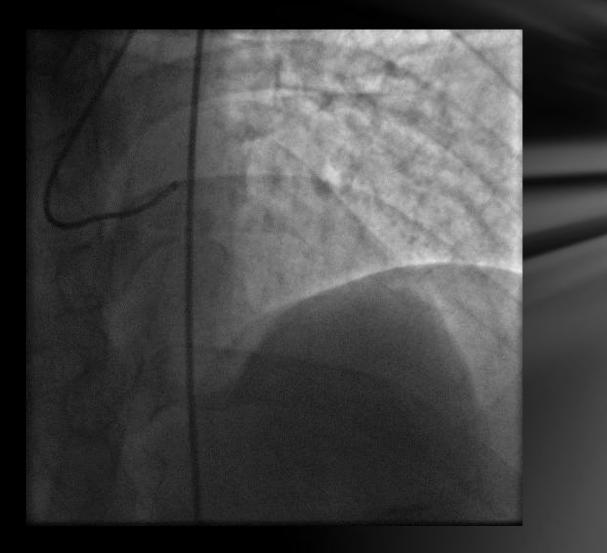
RCA-30%prox,80%mid 50% dist.





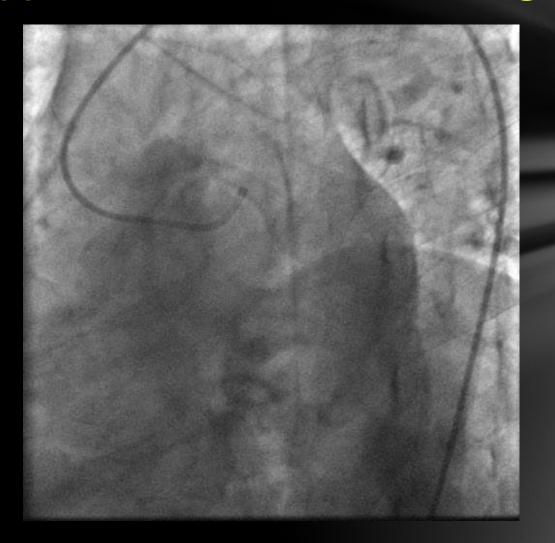
LM-98%dist LAD-90%ost. LCX-90%ost.,95% dist. OM-30% prox







Typical Mercedes Benz sign



So, in summery

left main disease with TVD Recommended for urgent CABG While I was talking to patients relative

The patient started to have chest pain

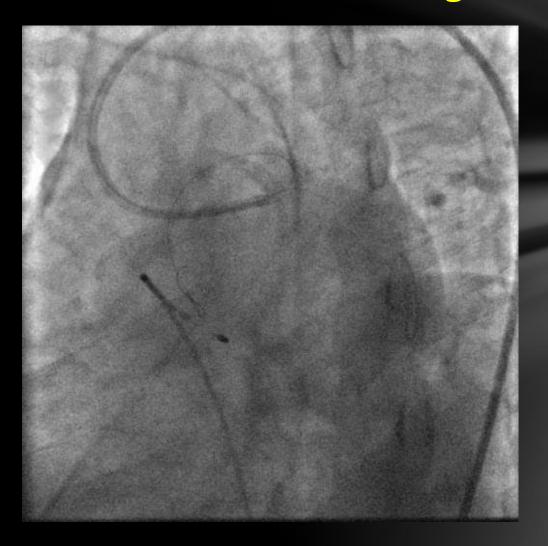
ECG showed again ST elevation in lead AVL & V1 with gross ST depression in all other lead with bradycardia & hypotension

I put a TPM & started inotropes

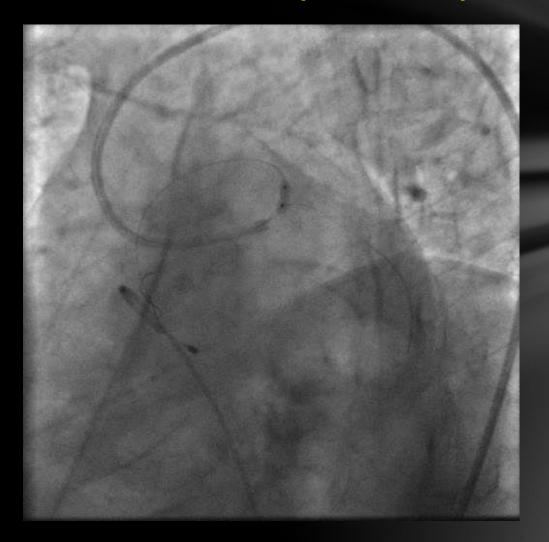
I called our surgeon ,but he was busy with another complicated case in OT

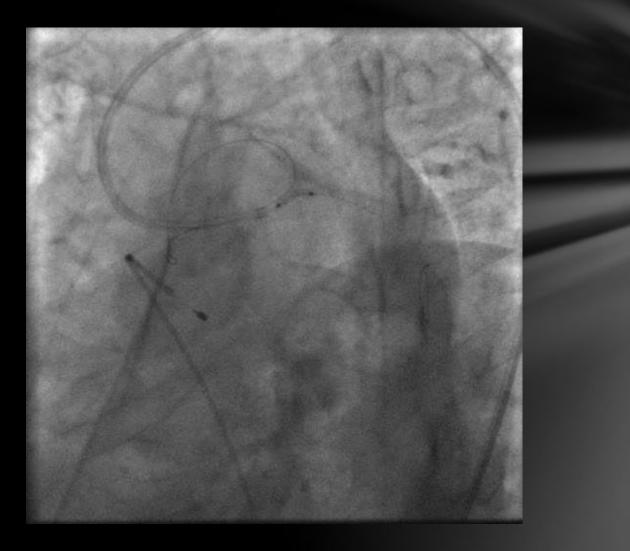
So I did not have any choice but go for urgent PCI

Put TPM & two wires through LAD & LCX

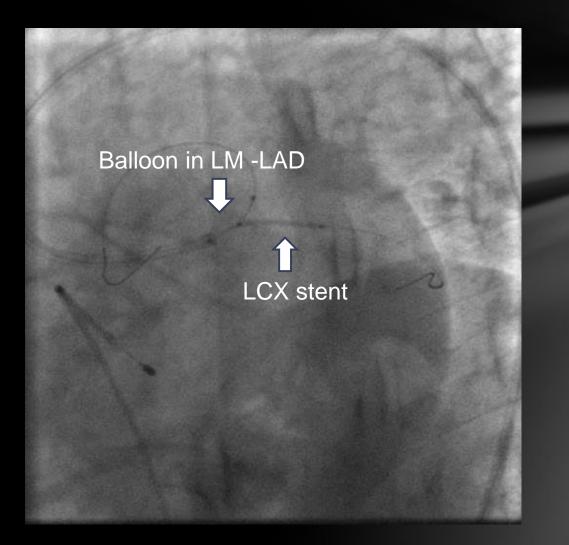


Dilated both lesion sequentially2.5x12 balloon

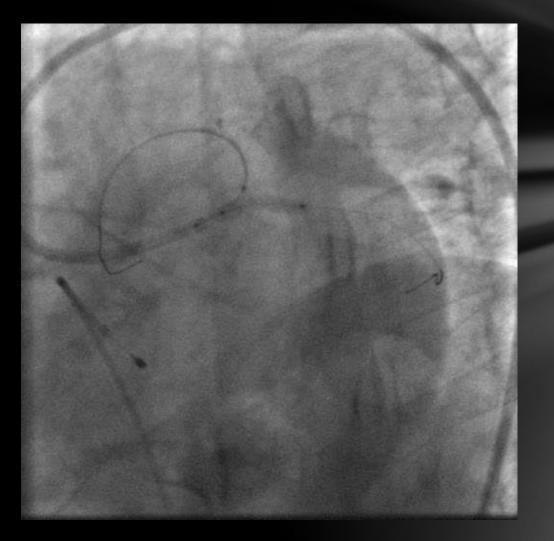




Planned for DK crush technique positioned LCX stent 3x15 R. Intigrity, keeping 3x15 balloon in LM to LAD



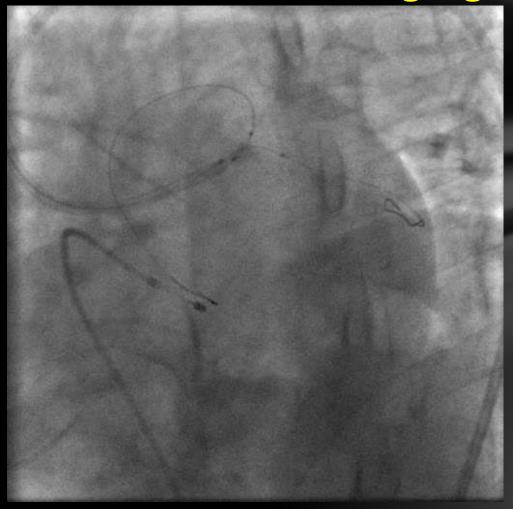
Deployed LCX stent



1)1st crush- Crushed the LCX stent with LM 3x15 balloon



2)1st kiss- with 3x15(LCX) &3.5x15(LM-LAD) balloon after exchanging wires

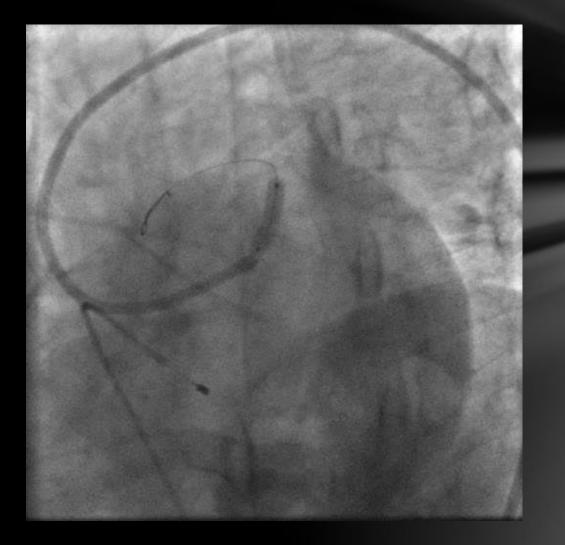


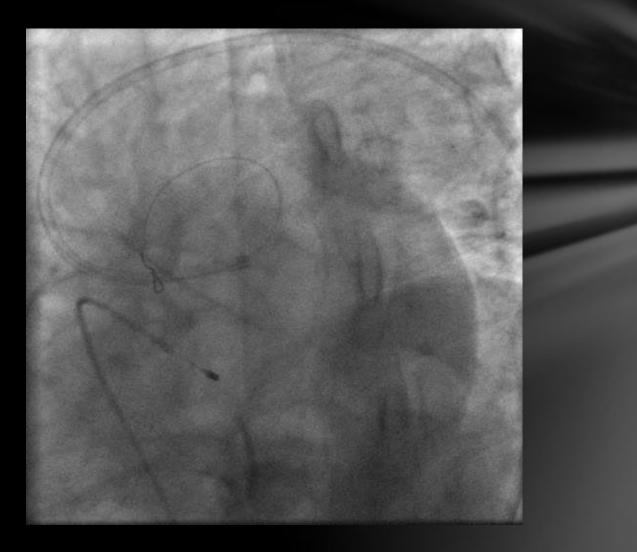


Positioned LM-LAD 3.5x18 R.Intigrity stent across LCX after pulling out LCX wire

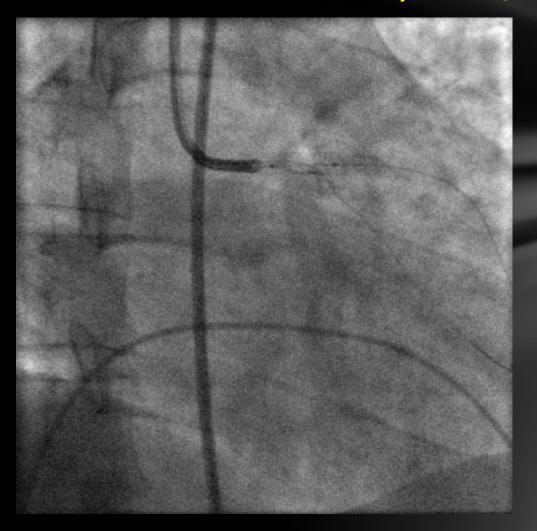


3)2nd crush-crushed the LCX stent by LM-LAD stent



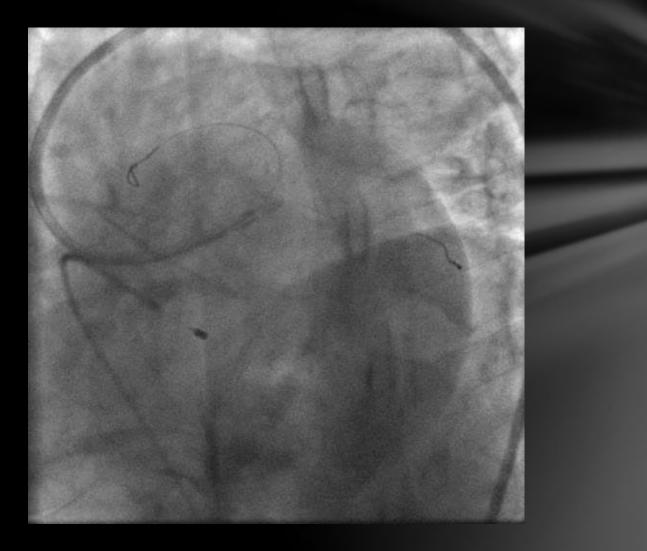


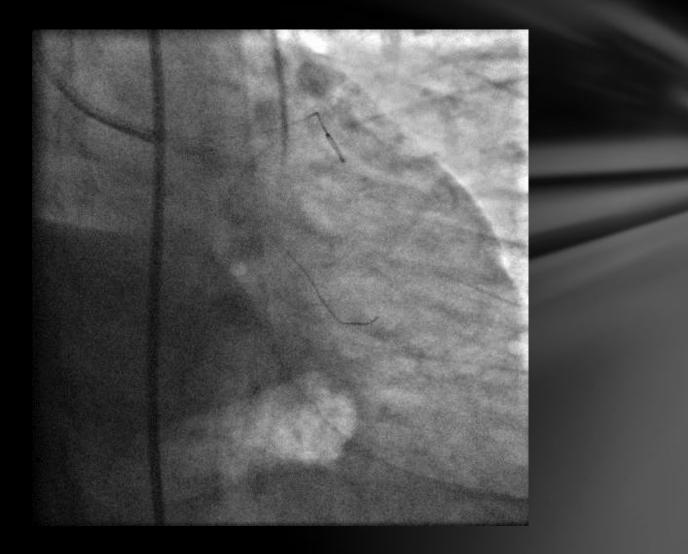
Post dilated LM stent by 4x15 balloon

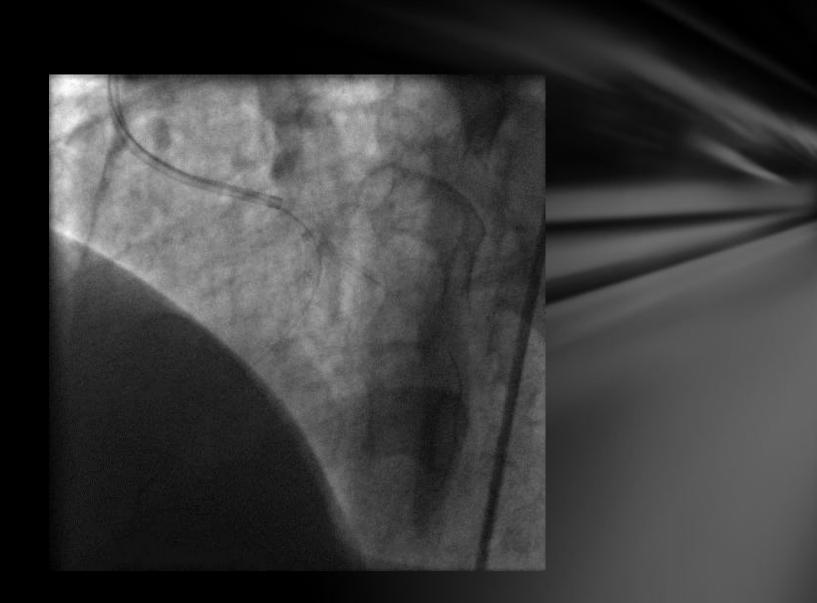


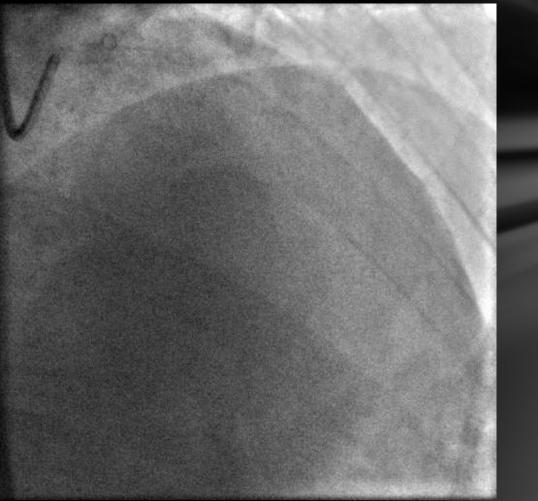
4)2nd kiss-by 3x15(LCX)&3.5x15(LM-LAD) balloon after exchanging wires





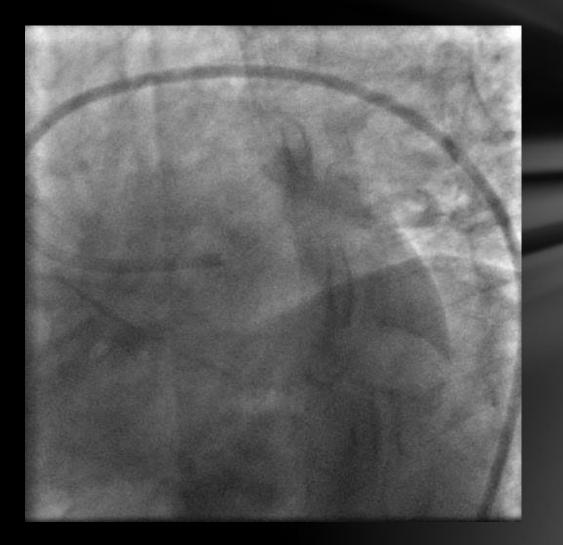








Final picture



Take home message

1)Lead AVR ST segment elevation with less ST segment elevation in lead V $_1$ is an important predictor of acute LMCA obstruction

2) 1)In 2 stent technique for bifurcation lesion ,DK crush technique has the potential of increasing FKBI,good coverage of ostium & apposition of stent strut.

3)DK crush stenting was associated with significant reduction of ISR, TLR and TVR but no significant difference in MACE between DK vs. Provisional stenting(DK crush2 study)

4)Compared to the DK crush technique, Classical crush & Culotte stenting is associated with significantly increased TLR, TVR, MACEs in patients with UPLMCA bifurcation lesions.(DK crush 1 & 3 study)

5)In case of emergency, you might not be able to take the best option but you need to tackle it with whatever resources you have



DOUBLE KISS



Always try to kiss double

It improves outcome

