Patient's preferences for PCI in MVD CAD, give better results than Heart Team Approach.

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Complications in MVD PCI

- Increased radiation exposure.
- Acute kidney injury due to high volume of contrast in multi vessels stenting at single sitting.
- Without LV support can worsen the outcome in LVrEF cases.
- Acute infections and shock.
- Operator may compromise the outcome due to long standing procedural time.

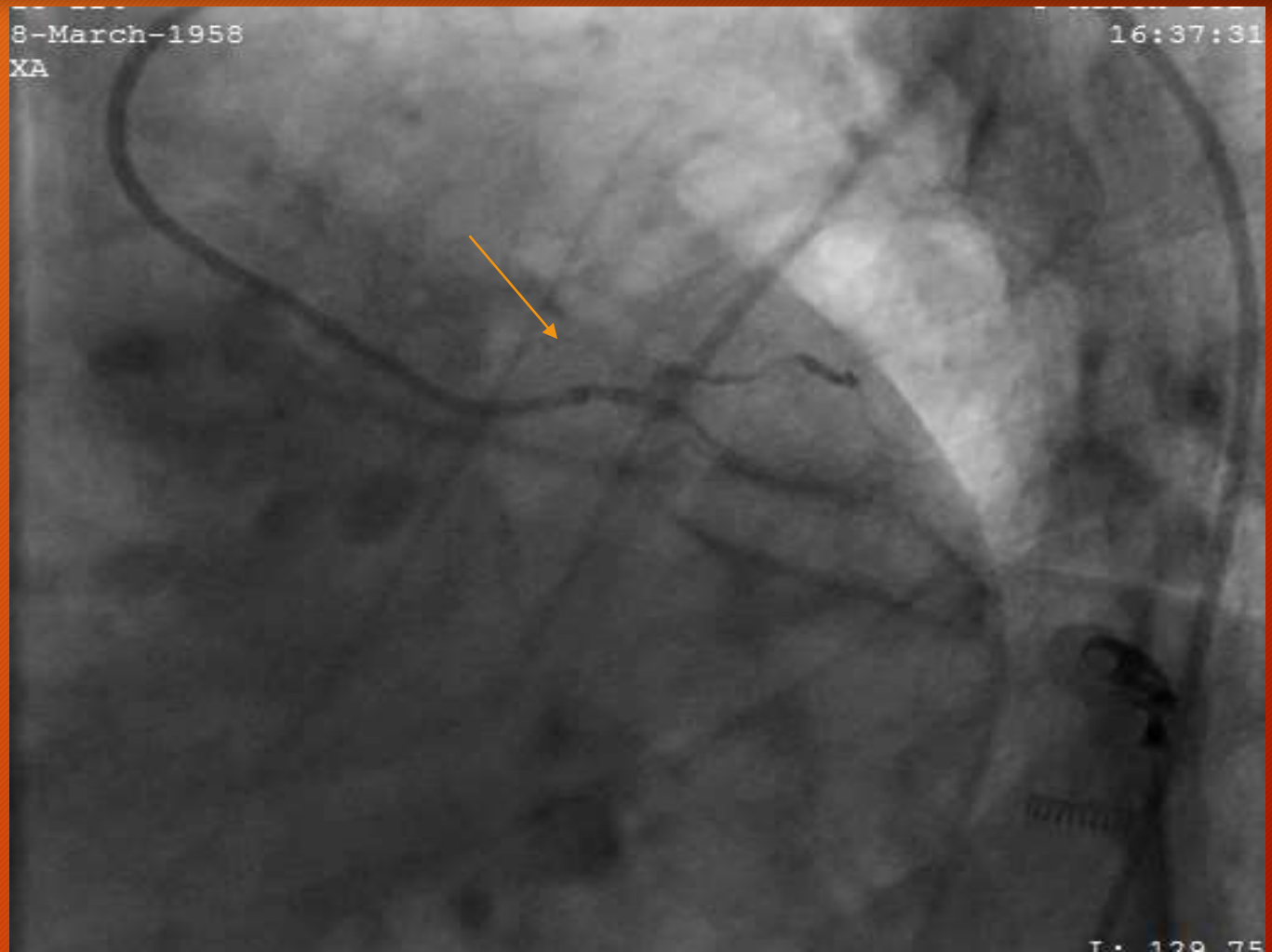
Patient’s Demography

- Age-56yrs, male, Asian ethnic.
- History of DM-10yrs, HTN-8 yrs, Non smoker, non ethanolic.
- Never had cardiac evaluation before the visit.
- Sedentary. Looing very weak.
- Intermittent chest discomfort for a month and treated by physician not based on cardiac investigations.

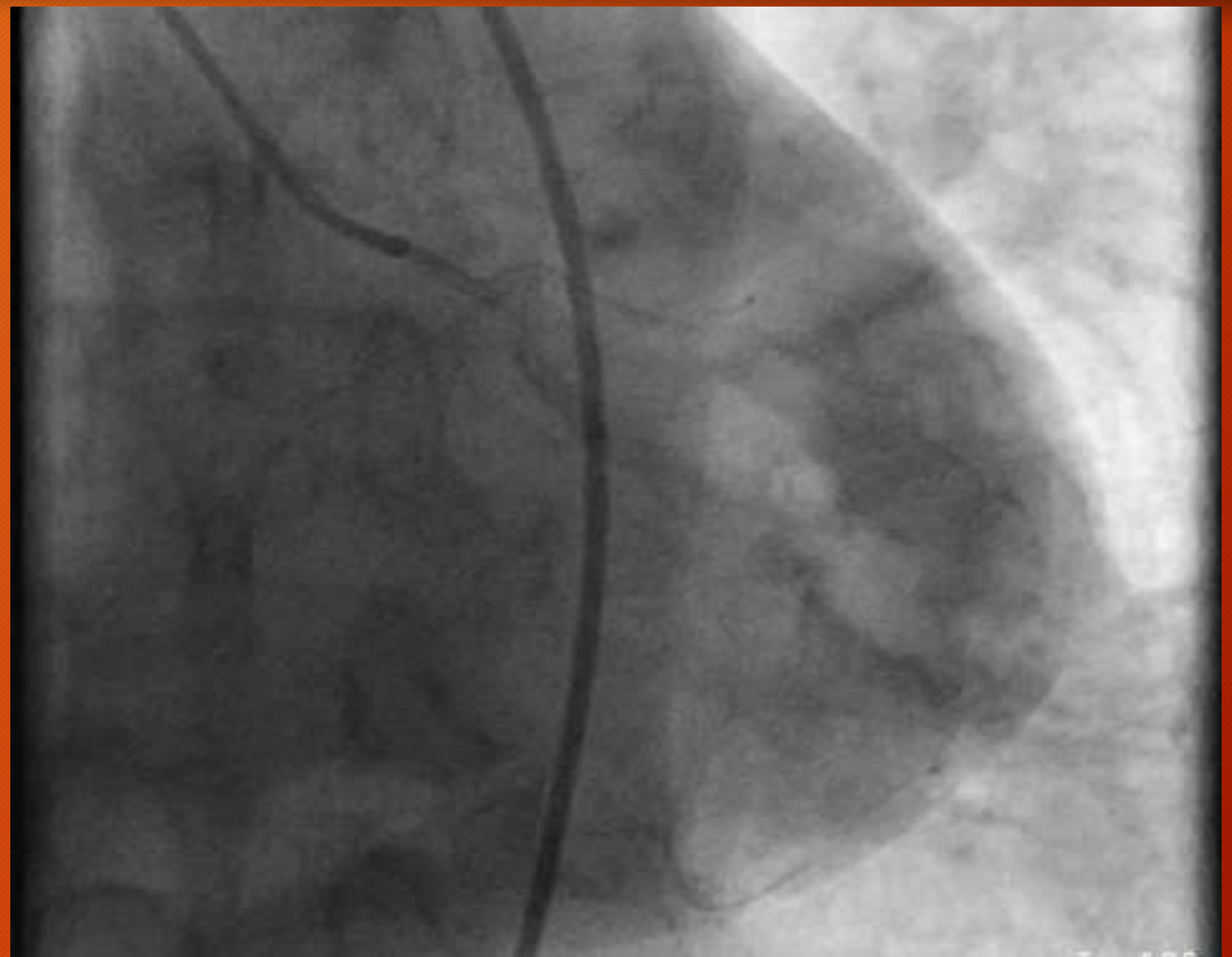
Investigations

- Serum creatinine-1.5, CTnI slightly elevated.
- Normal thyroid, liver function.
- Dyslipidemia.
- USG- mild renal parenchymal changes and hepatomegaly.
- ECG- ST-T changes in all the leads. LBBB with NSR.
- CXR- Bilateral basal effusion. O2-92% at room air.
- Echo- LVEF-45%, with global hypokinesia.
- HR-96/min.

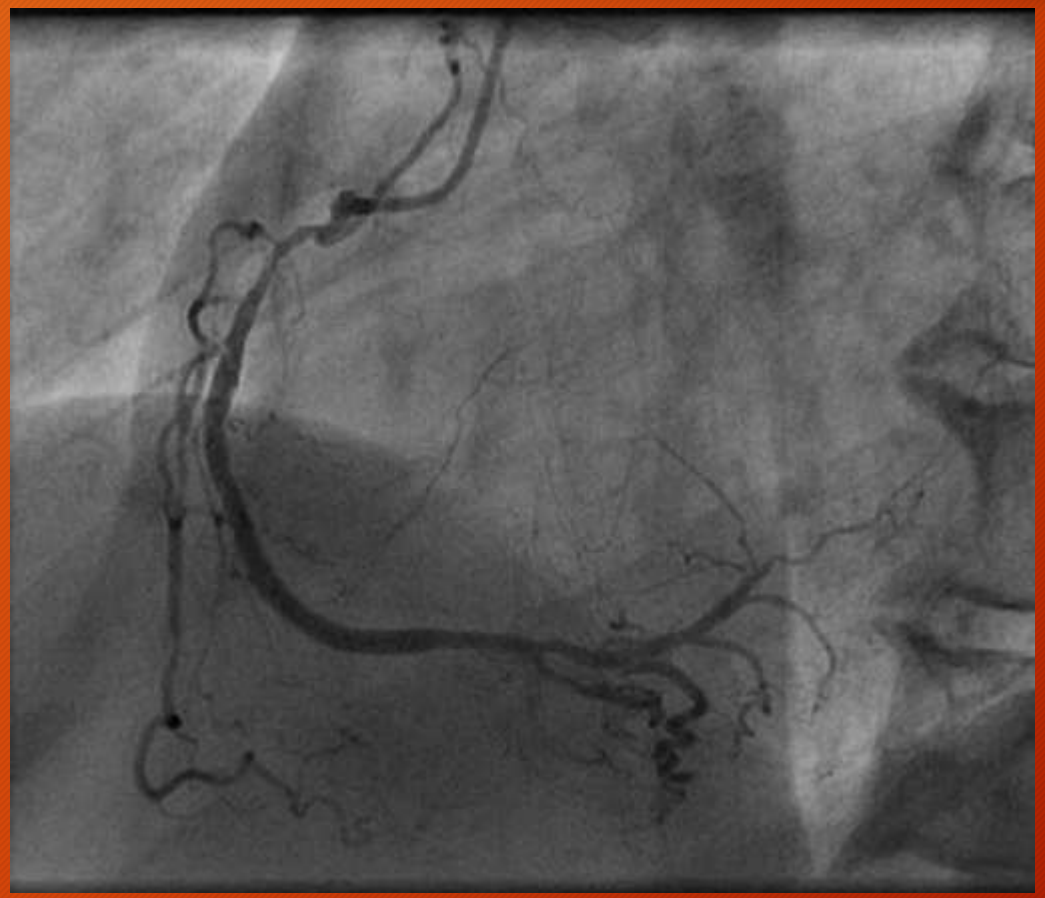
Angiography of Left Coronary system



Left coronary system in other AP caudal view



Right coronary artery- ostio-proximal and distal diseased



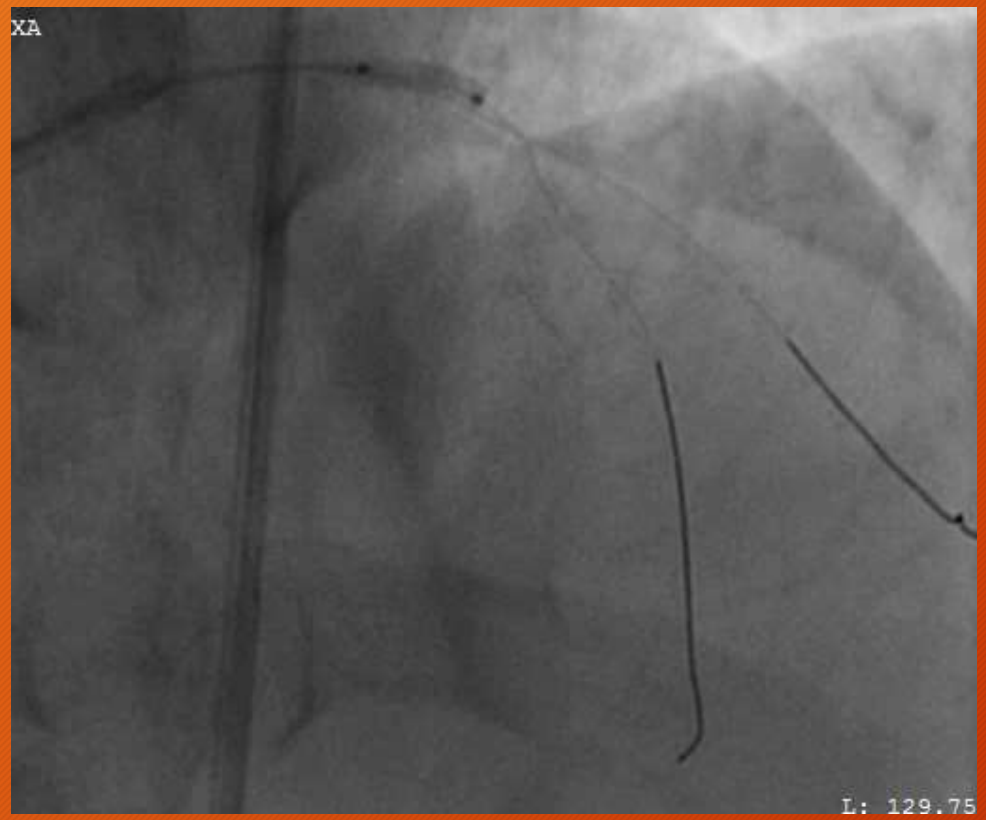
Called my CT surgeon and discussed for CABG

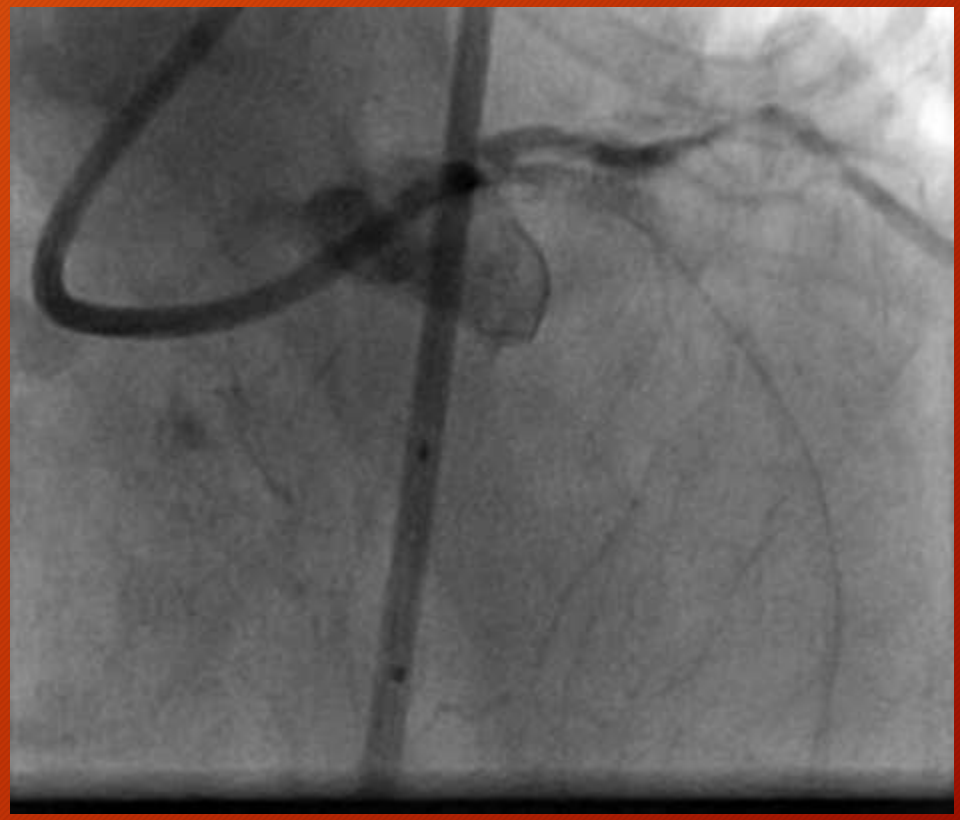
- Patient was not accepted for CABG. Because of IABP, and expected complications were high as the CTS opined.
- We were tried to convince him for 2 days, but failed.
- Finally as per the patient's wish, I took for PCI to Left system and then RCA.

Pre-cath Medications

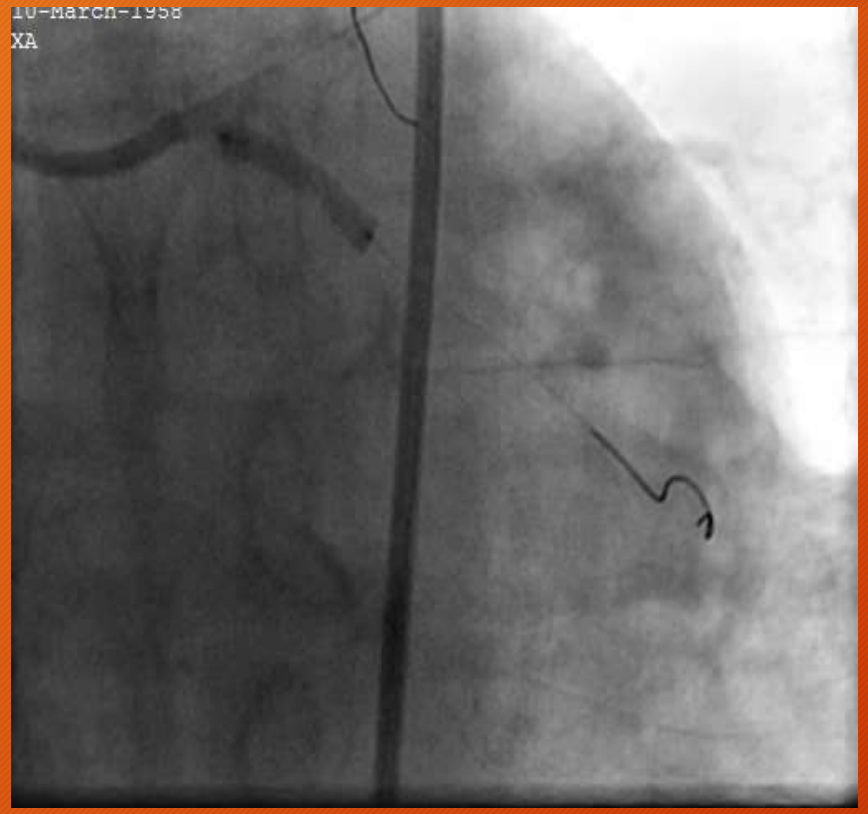
- ASA 325mg bolus,
- Clopidogrel 600mg
- Atorvastatin-80mg,
- NAC- 600mg before and after 12 hrs,
- Bivalirudin bolus based on weight and infusion during the procedure.

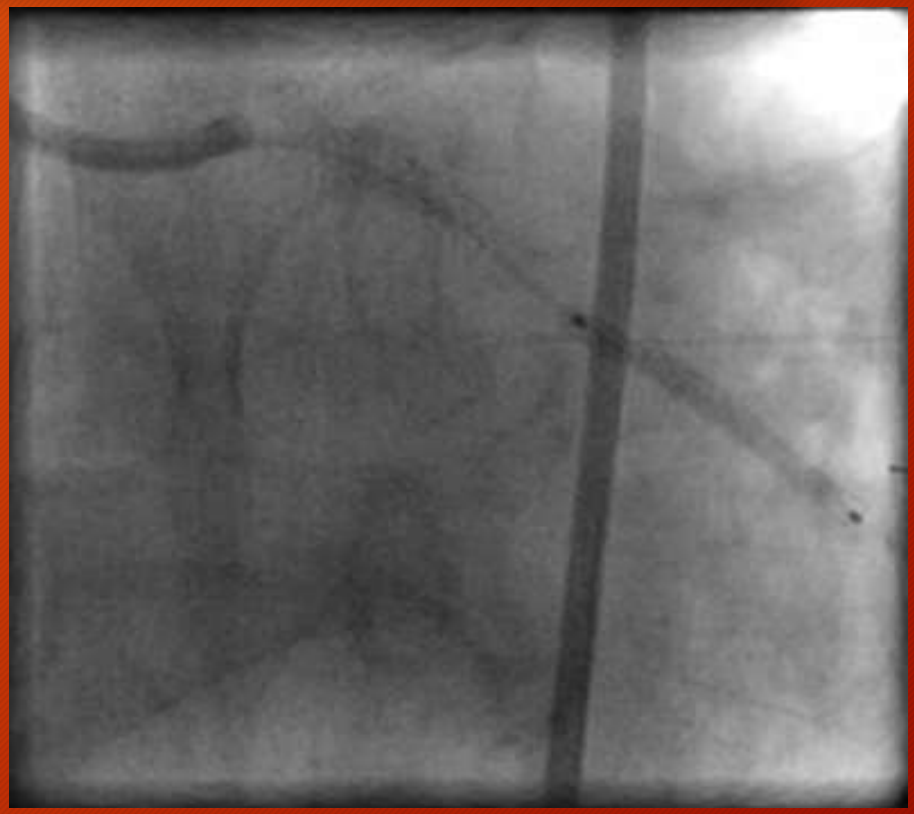
LM to LAD stenting



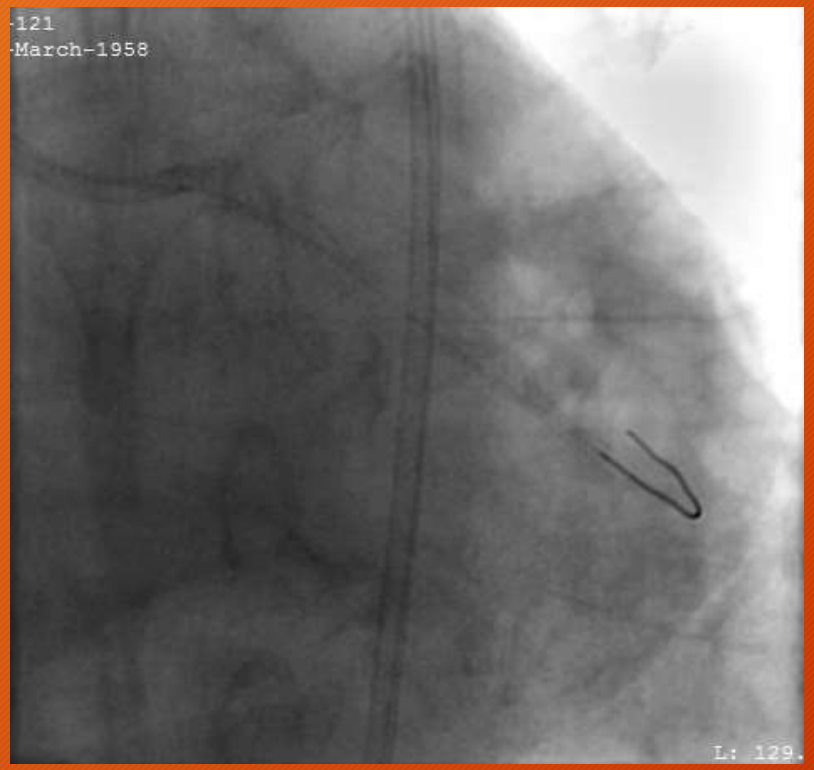


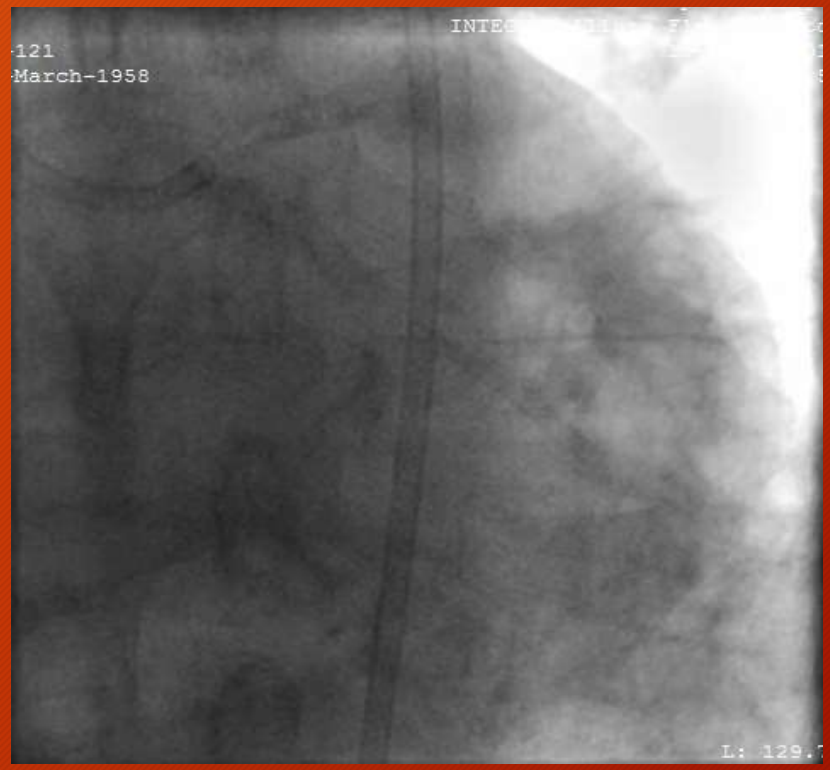
LCX 2 DES





Final results of LAD and LCX





Hardware used in PCI

- JL 3.5 6Fr guide catheter,
- BMW guide wires
- 2, 3.5 NC balloons
- No VCD was used, only manual compression for groin .
- Bivalirudin infusion was stopped after PCI at cath lab.

Long discussion and number of team in front of patient and their attendants

Patient’s mental balance is important

- In high risk cases, patients confidence in recovery and their mental status are very important .

Thank you all

Dr AM Thirugnanam