

# MOVEMENT OF STENT AT AORTO-OSTIAL LOCATION.....MANAGEMENT

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# BACKGROUND

- OSTIAL PLACEMENT OF STENTS -ALWAYS NEED PRECISION
- INSTABILITY AT SUCH LOCATION IS A NUISANCE
- SIMPLE, HANDY. AVAILABLE, YET EFFECTIVE  
TRICKS ALWAYS WELCOME

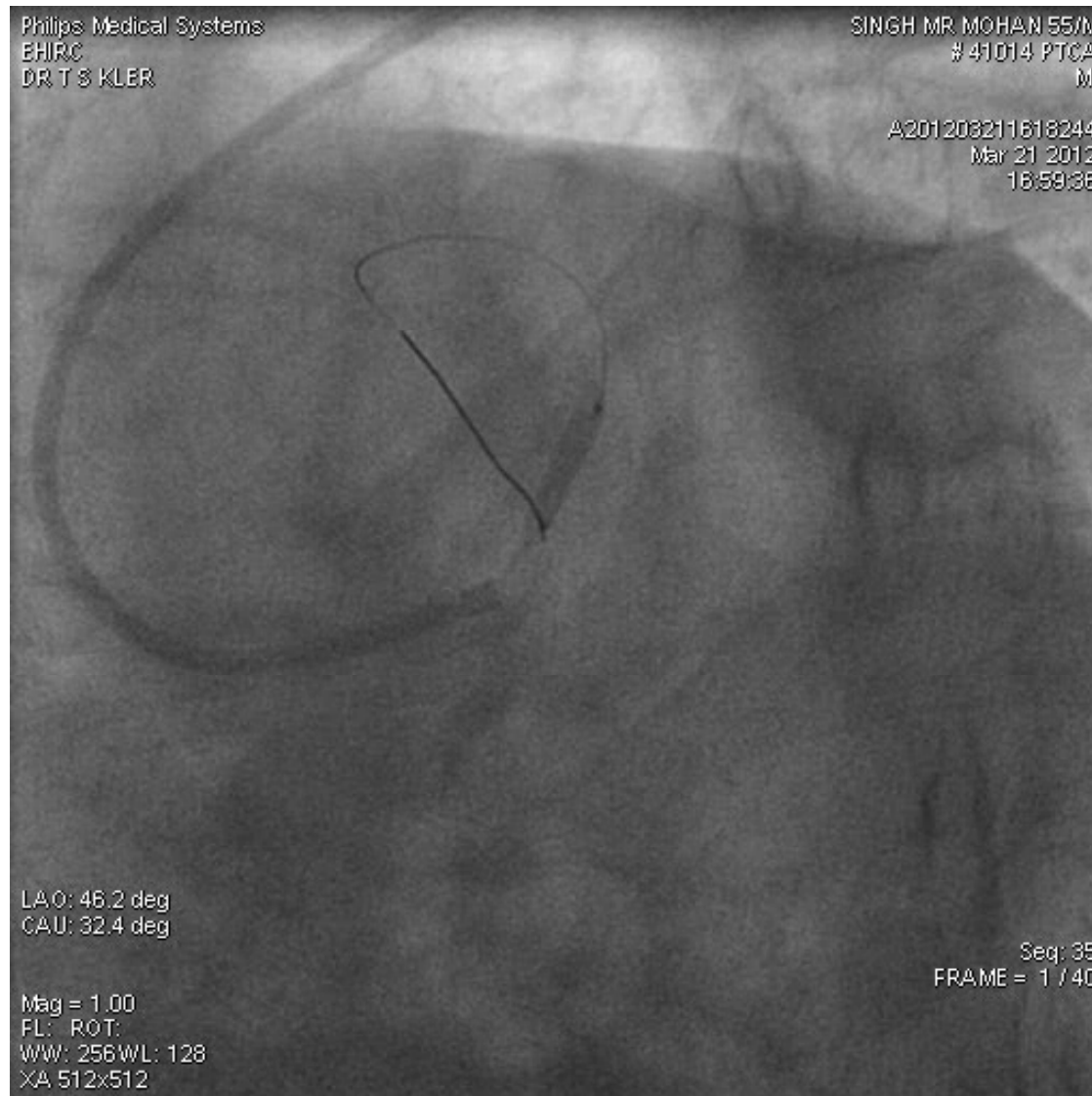
# HISTORY

- ⦿ 55YRS MALE
- ⦿ NON DIABETIC
- ⦿ NON HT
- ⦿ SMOKER
- ⦿ C\O EXERTIONAL ANGINA-CCS-III

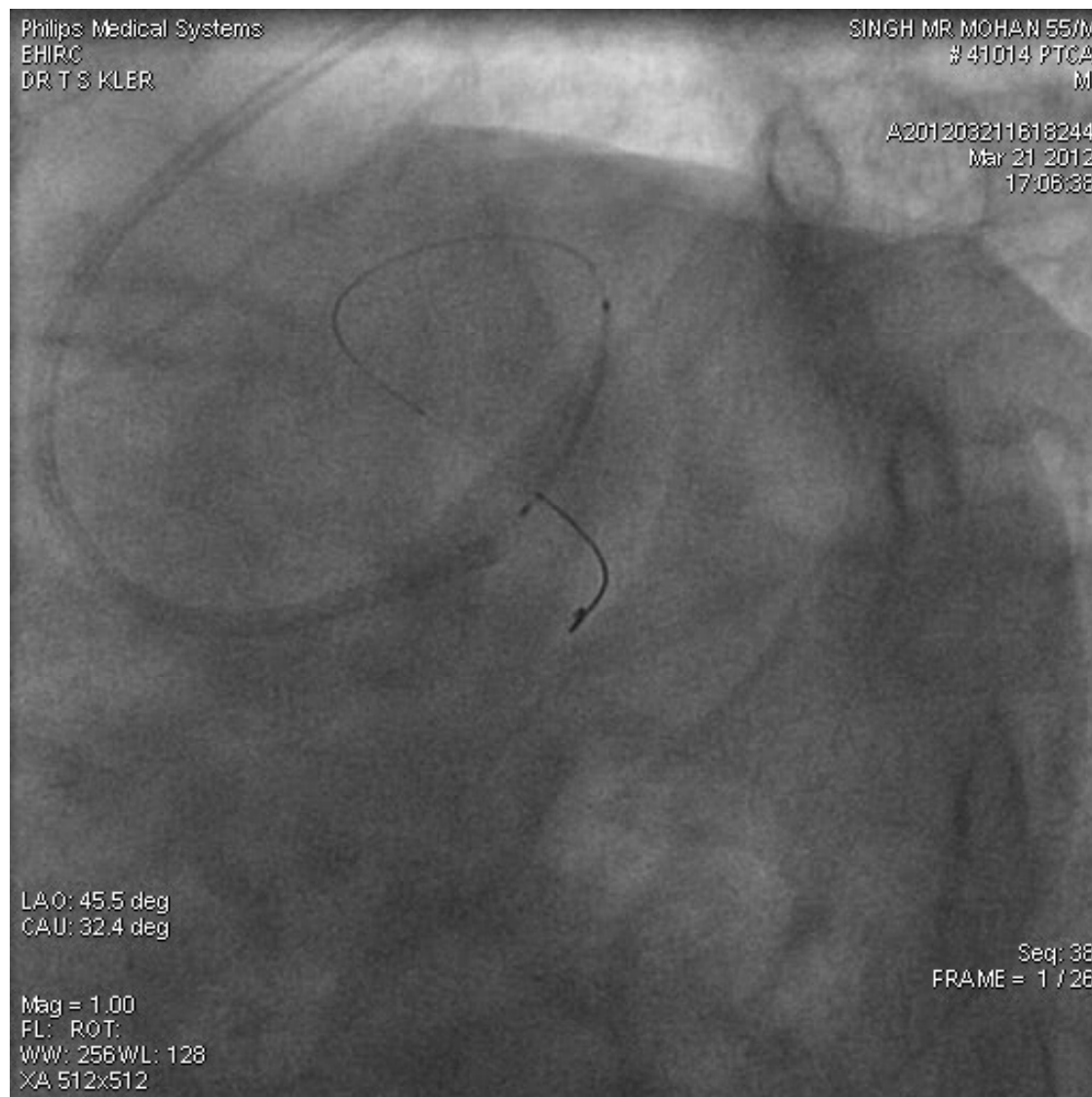
# OSTIAL- PROXIMAL LAD LESION



# XB3.0\BMW\2.5\12MMNC BALLOON



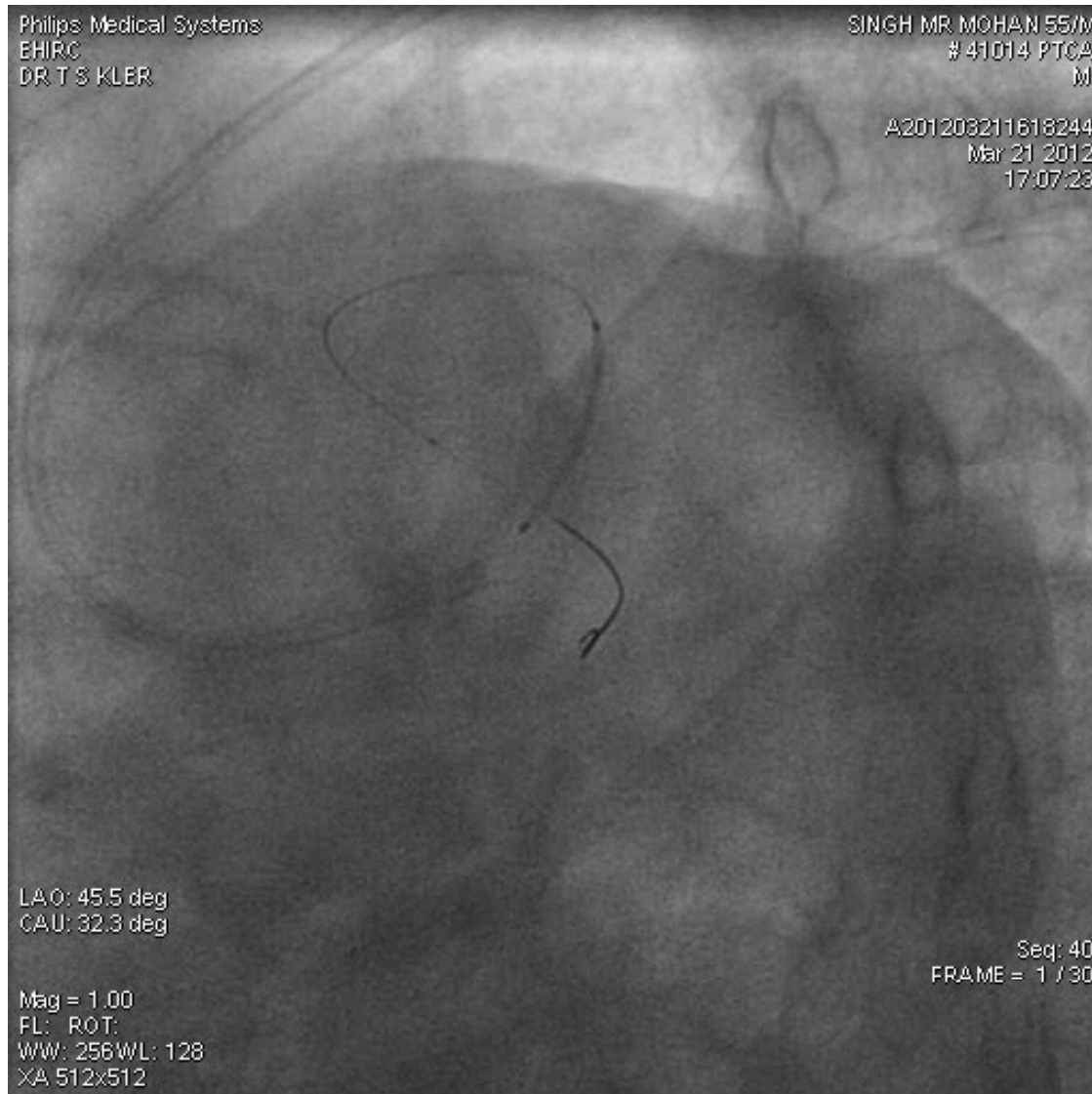
# HIGHLY UNSTABLE-OSTIAL LAD , 3.5\18MM DES



# HIGHLY UNSTABLE STENT AT OSTIAL LAD DES 3.5\18-LAO CAUDAL



# OTHER MANEUVERS TO STABILISE STENT FAILED





# HOW TO SOLVE THE RIDDLE...?

- ◎ **PULLING THE WIRE IN THE MAIN VESSEL LUMEN**
- ◎ **DEEP THROATING THE GUIDE**
- ◎ **ADENOSINE INFUSION**
- ◎ **ANCHOR BALLOON IN THE LCX**

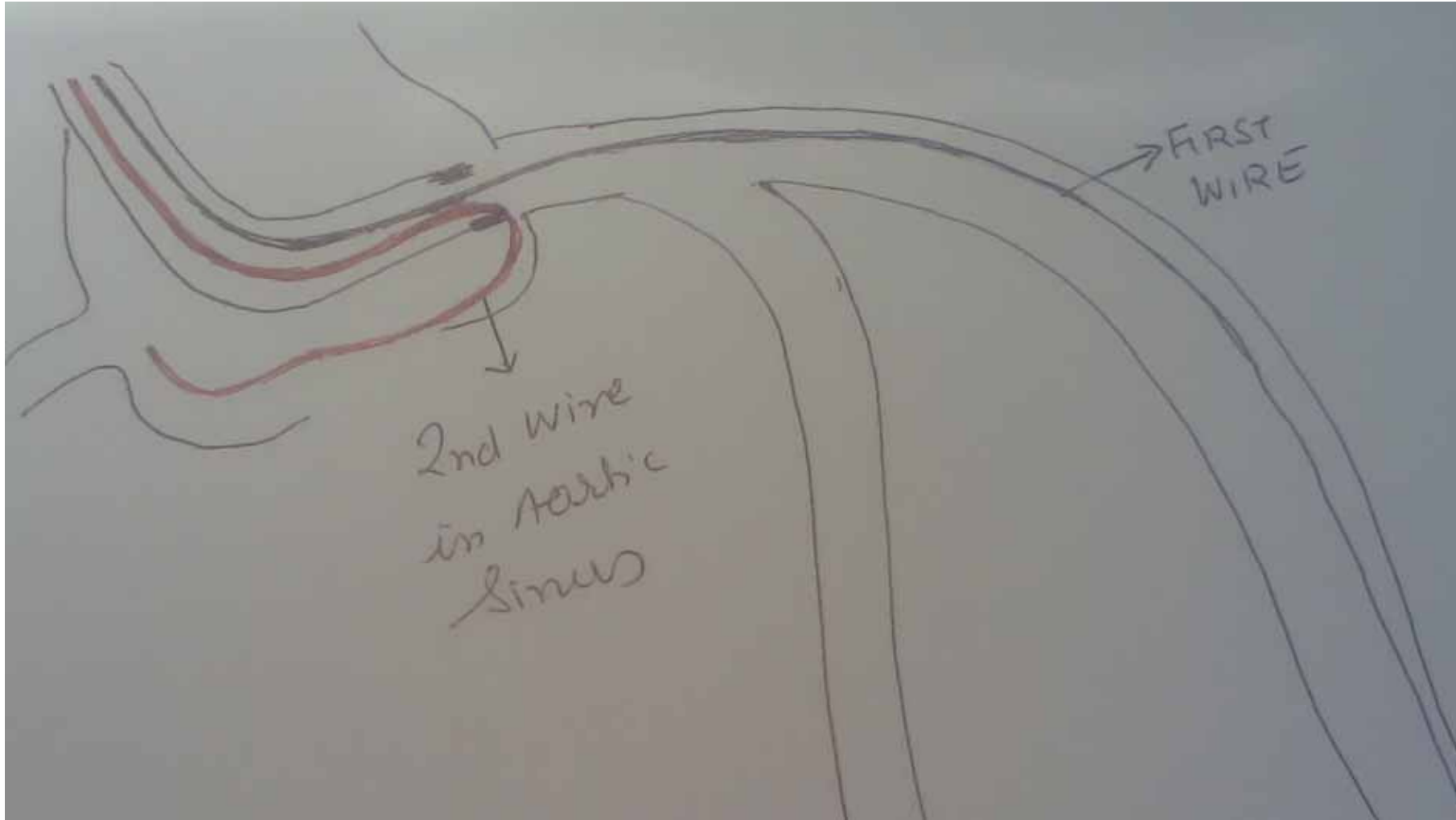
# INNOVATIVE IDEA.....?

- **COULD WE RETARD THE TO N  
FRO GUIDE MOVEMENT BY SOME  
INNOVATIVE BUT SAFE N  
SIMPLE TECHNIQUE.....?**

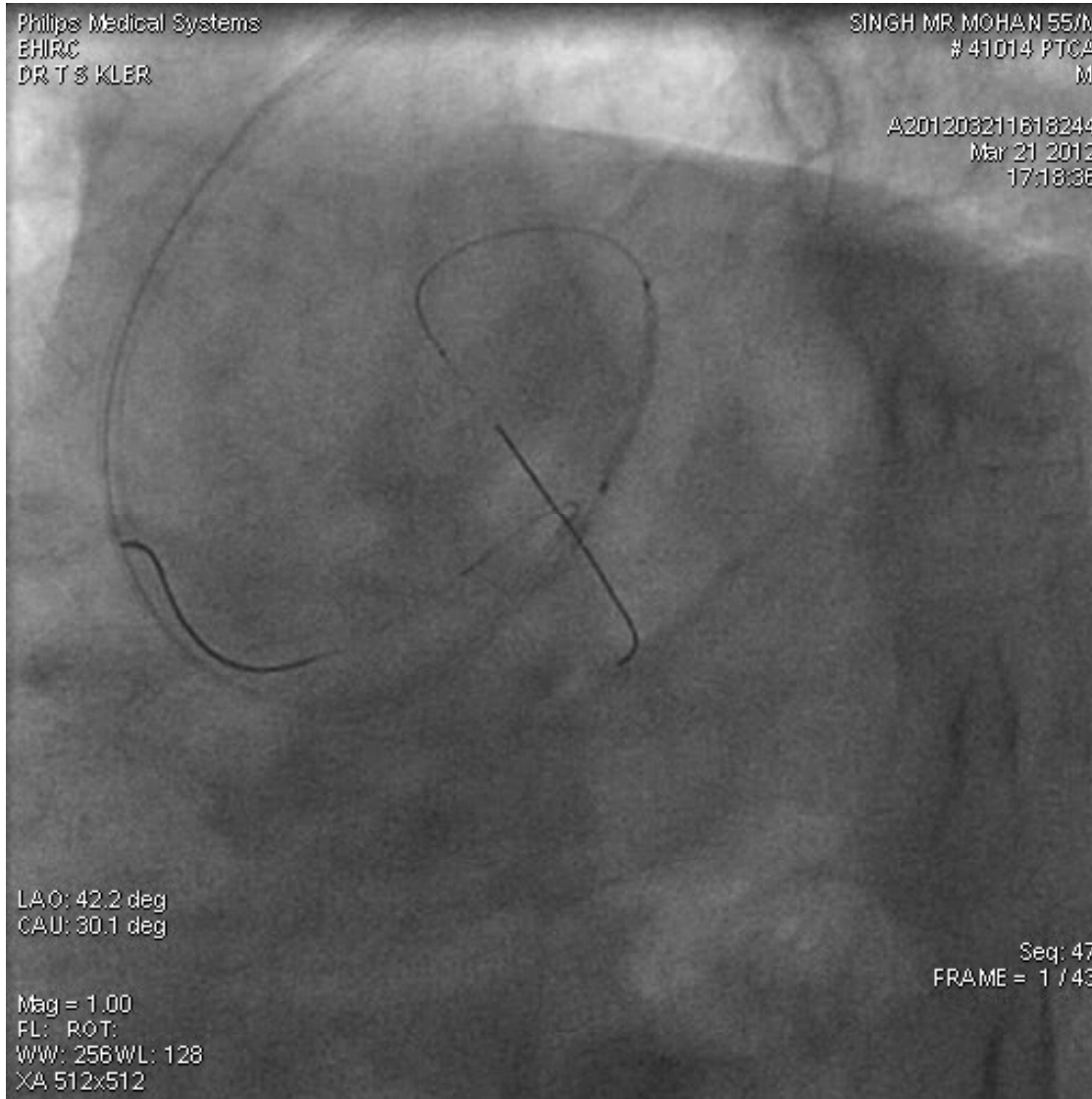
# HOW....?

- **CAN ANOTHER PTCA WIRE ,PLACED IN AORTIC SINUS ,THROUGH THE TIP OF THE GUIDE,.....DO THE MAGIC,WHEN THE REST OF THE HARDWARE REMAINS IN SITU,...?**

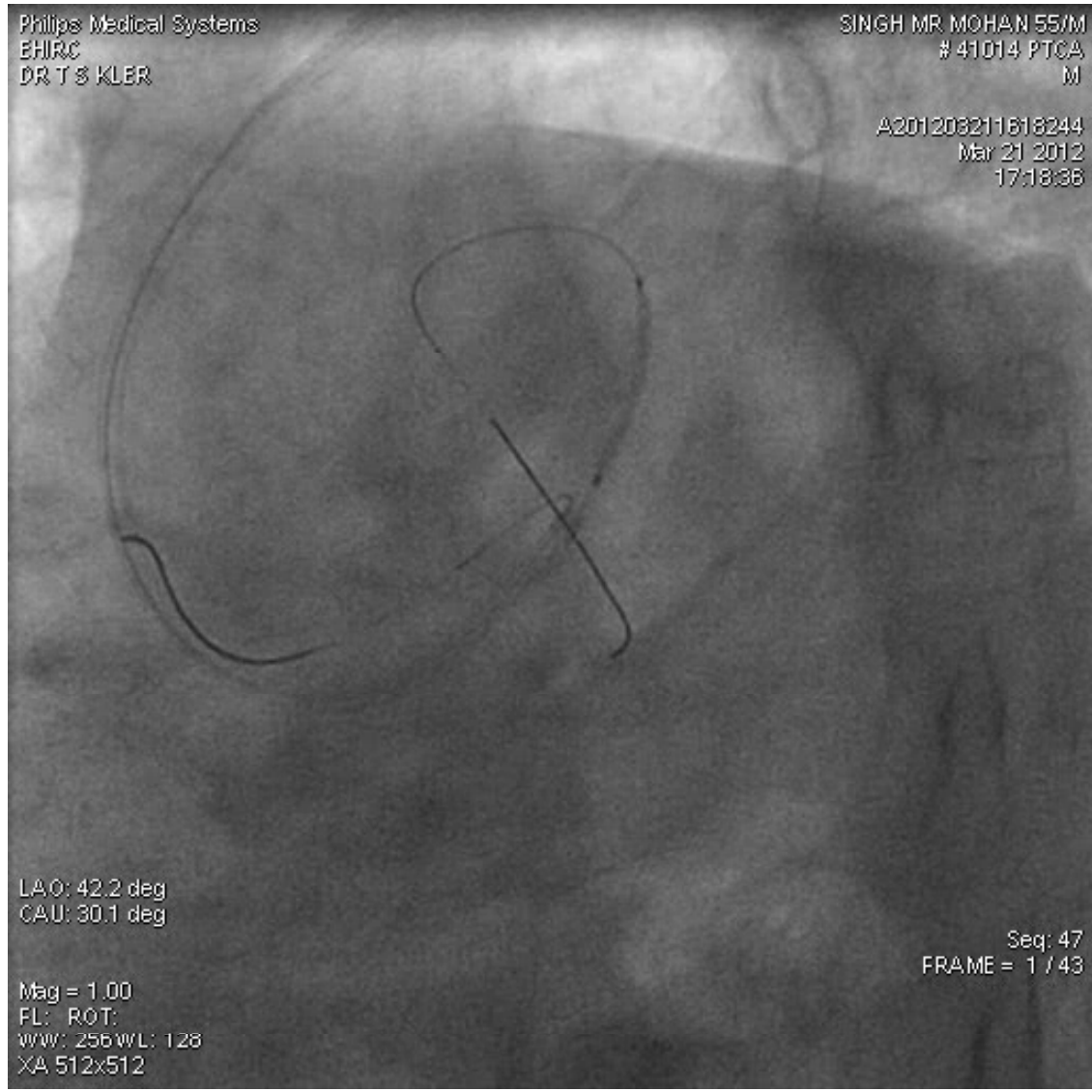
# SCHEMATIC REPRESENTATION



# 2<sup>ND</sup> BMW IN AORTIC SINUS, REST IN SITU.....STENT STABILISED



# 2<sup>ND</sup> BMW IN AORTIC SINUS, REST IN SITU.....STENT STABILISED



Philips Medical Systems  
EHIRC  
DR T S KLER

SINGH MR MOHAN 55/M  
# 41014 PTCA  
M

A201203211618244  
Mar 21 2012  
17:07:23

LAO: 45.5 deg  
CAU: 32.3 deg

Mag = 1.00  
FL: ROT:  
WW: 256WL: 128  
XA 512x512

Philips Medical Systems  
EHIRC  
DR T S KLER

SINGH MR MOHAN 55/M  
# 41014 PTCA  
M

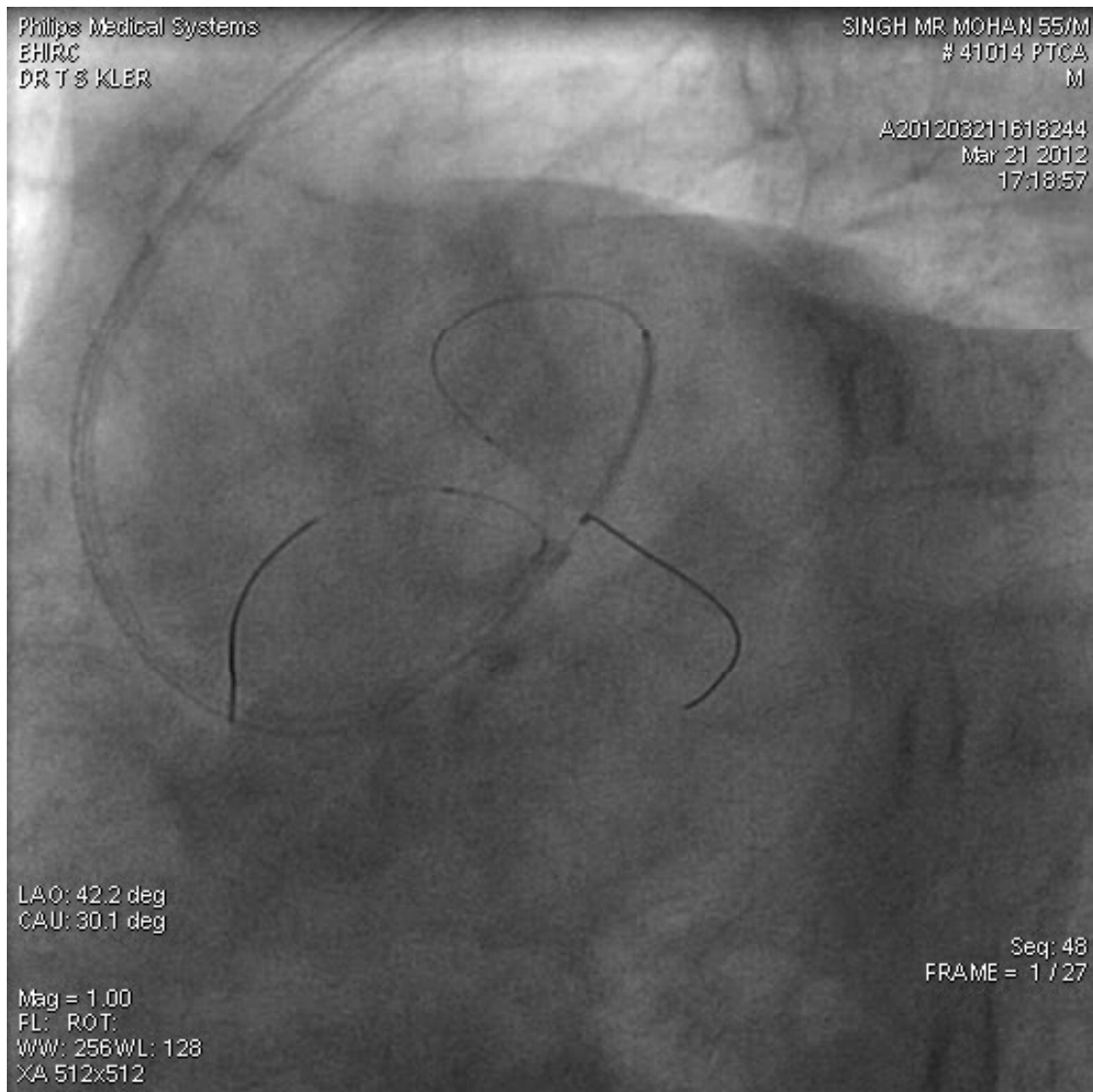
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Mar 21 2012  
17:18:38

LAO: 42.2 deg  
CAU: 30.1 deg

Mag = 1.00  
FL: ROT:  
WW: 256WL: 128  
XA 512x512

Seq: 47  
FRAME = 1 / 43

# DES AT OSTIAL LAD... 1STRUT IN L-MAIN

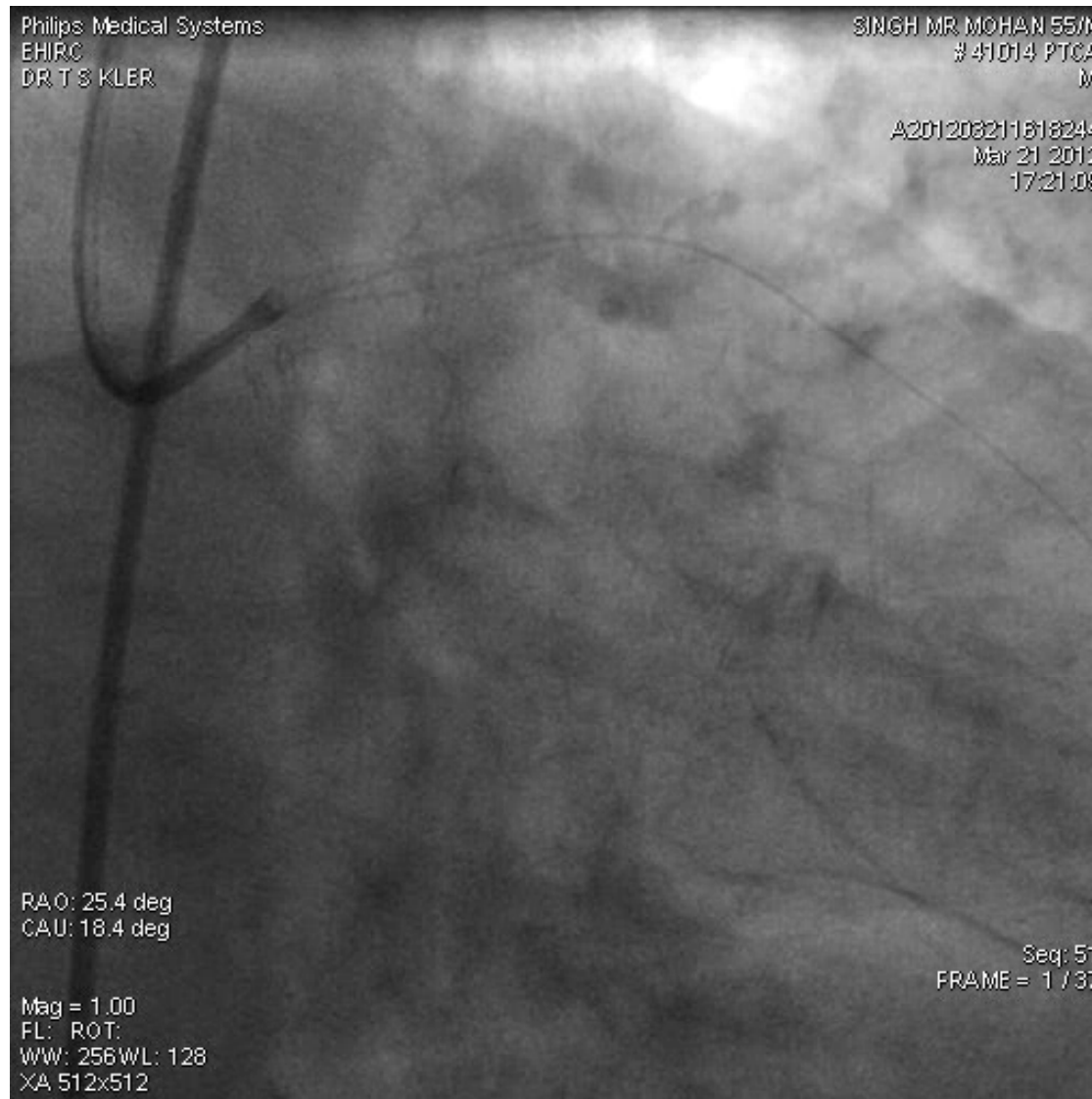




# AFTER POST DILATATION OF THE STENT-LAO CAUDALVIEW

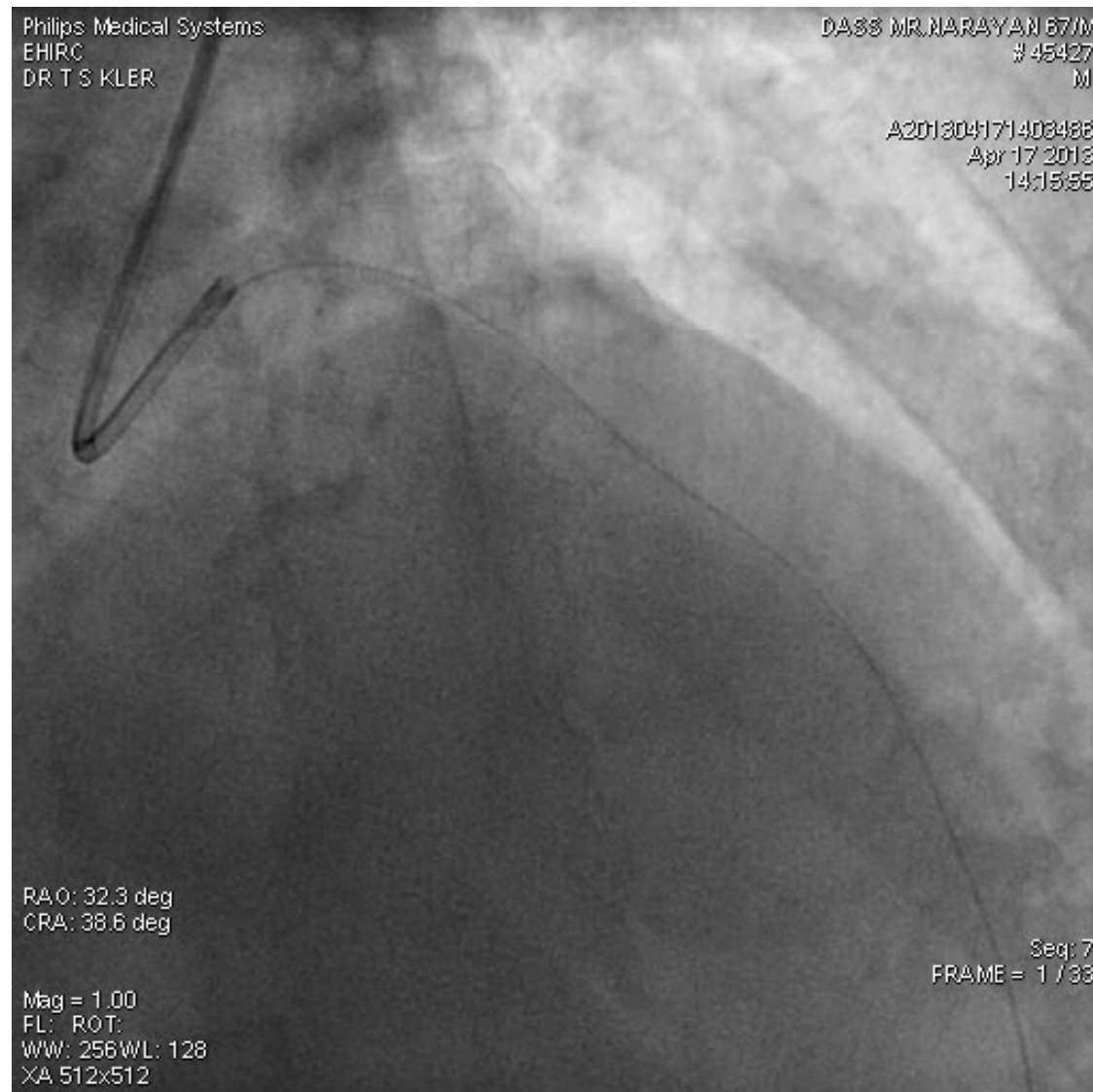


# RAO CAUDAL-POST DEPLOYMENT

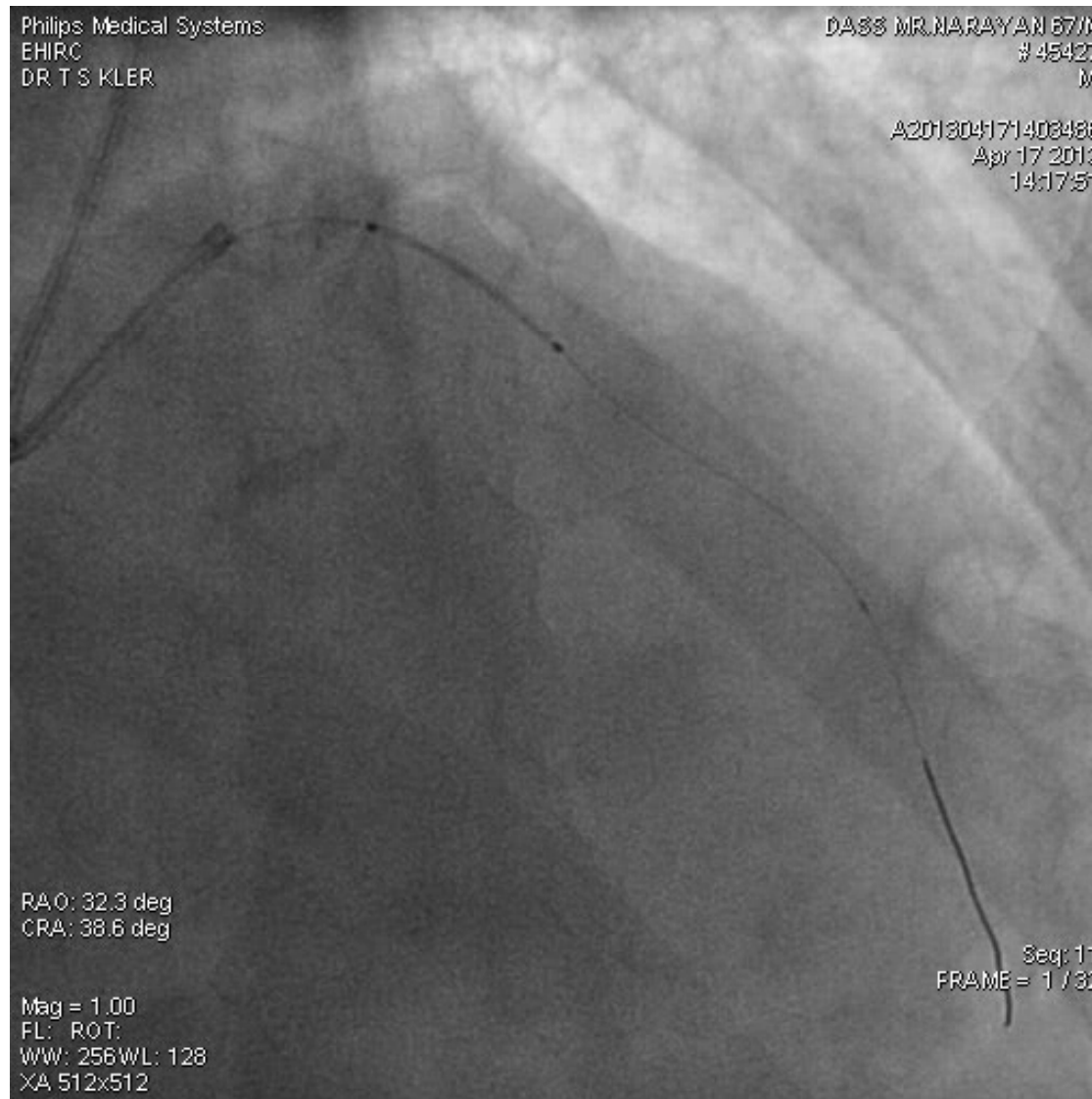


- **CAN THE SAME TECHNIQUE BE USED IN SOME OTHER LOCATIONS,.....?**

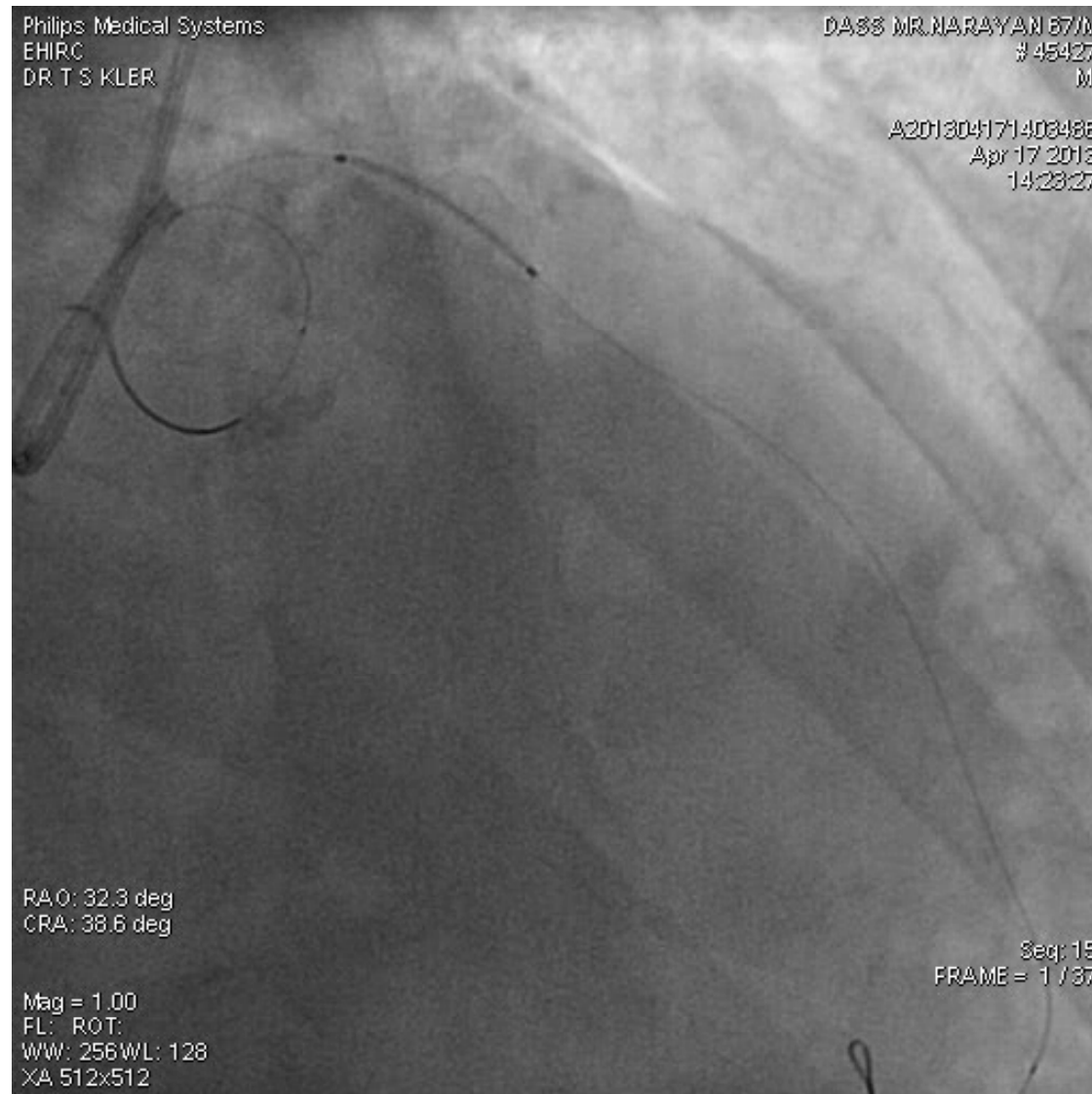
# MID LAD -80-90% STENOSIS



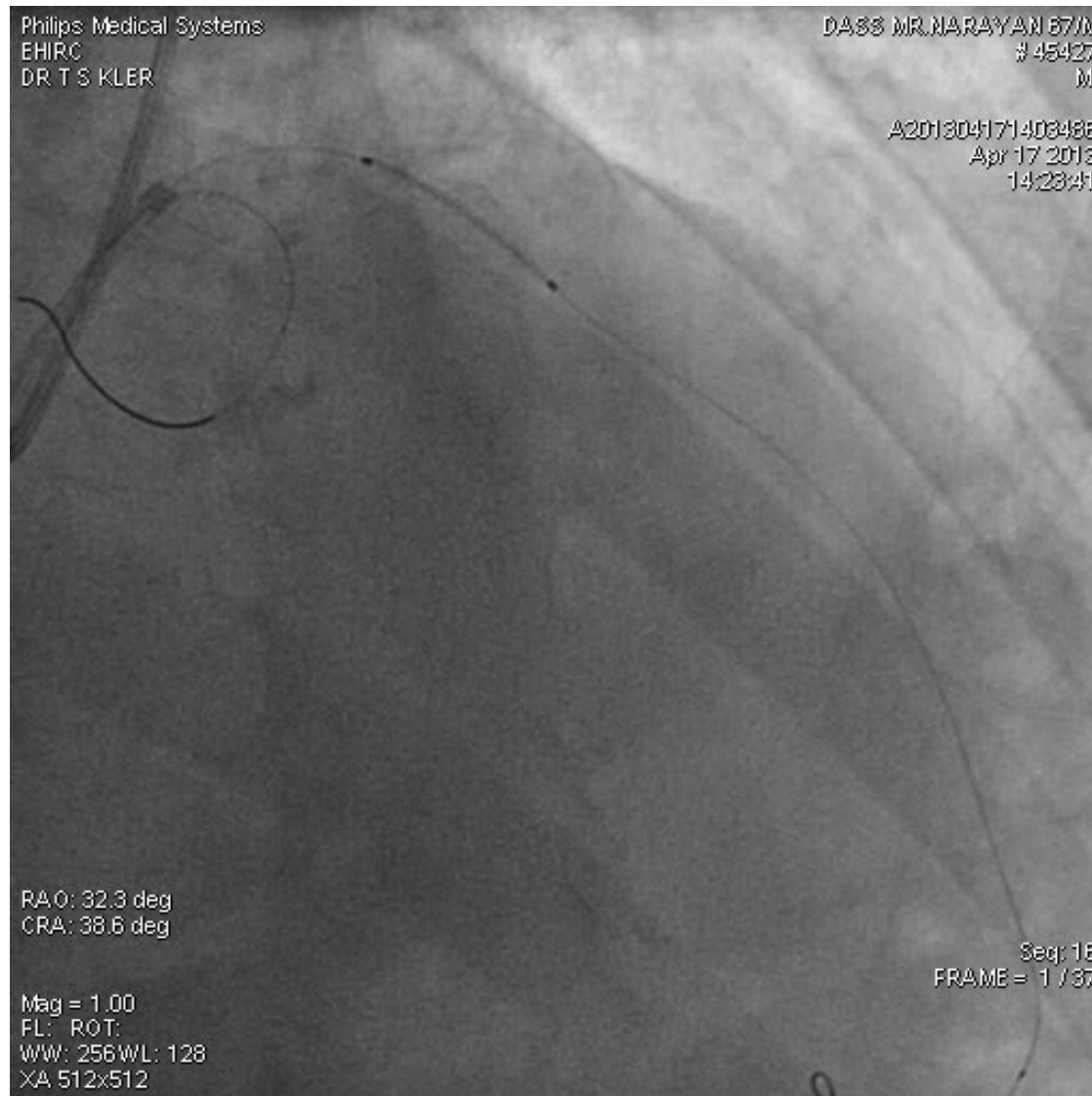
# HIGHLY UNSTABLE -2.75\18MM DES



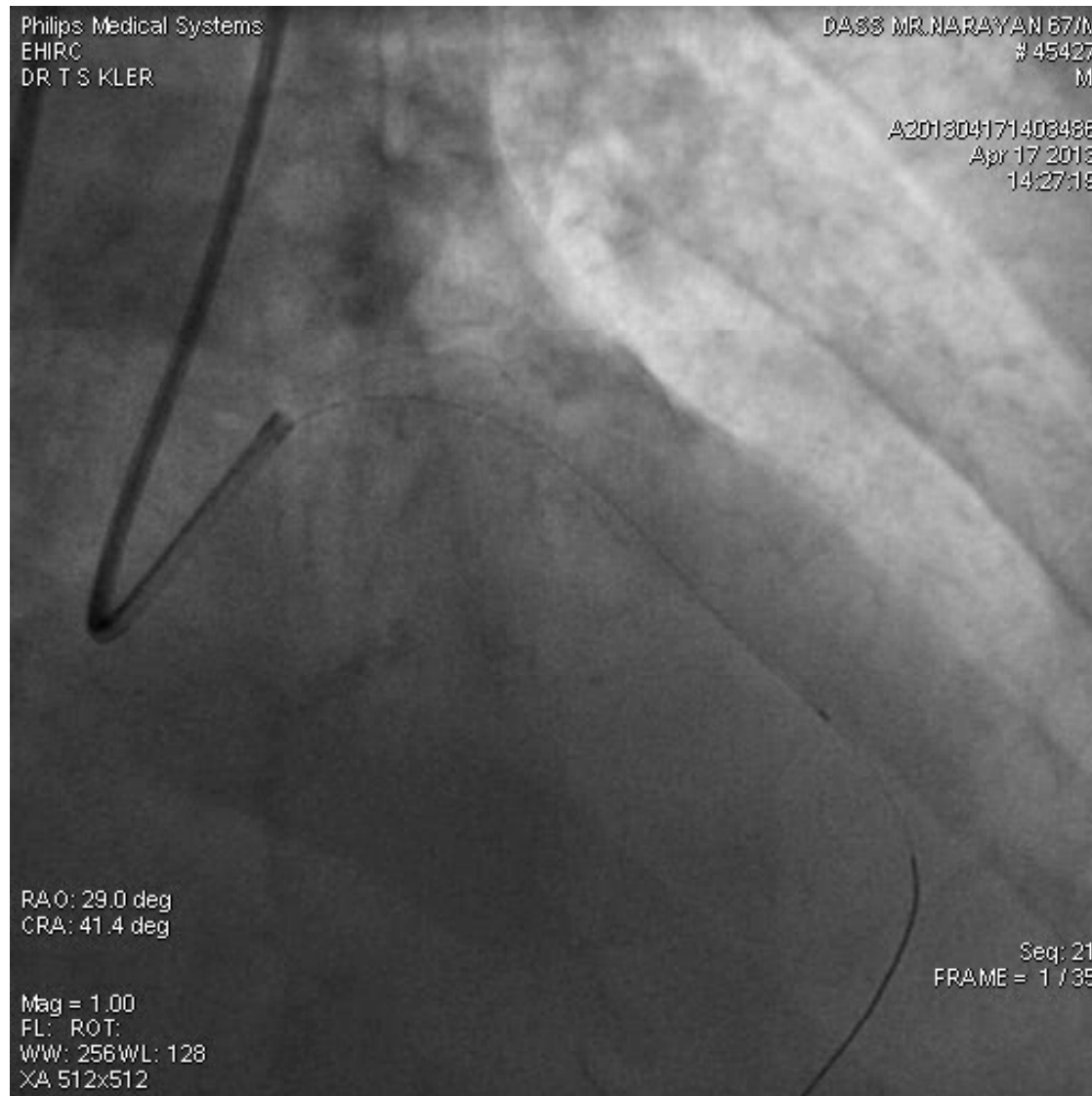
# 2<sup>ND</sup> PTCA WIRE IN AORTIC SINUS AND REST IN SITU AS BEFORE



# STABLE MID LAD DES STENT



# POST STENT DEPLOYMENT





# TAKE HOME MESSAGE

- ⦿ **UNSTABLE STENT AT OSTIAL LEFT-MAIN, OSTIAL LAD .....FREQUENT CHALLENGE...IF NOT VERY VERYCOMMON**
- ⦿ **MENTIONED TECH MAY BE USEFUL AT OTHER LOCATIONS ALSO-MID LAD**
- ⦿ **THE TECHNIQUE IS A HANDY,SIMPLE,AFFORDABLE.....AND V V EFFECTIVE**
- ⦿ **CAN CERTAINLY SAVE A 2<sup>ND</sup> STENT , PRECIOUS TIME.AND FINANCES**