A DELATED IATROGENIC LEFT MAIN PCI CAUSED BY CARDIAC CATHETERIZATION

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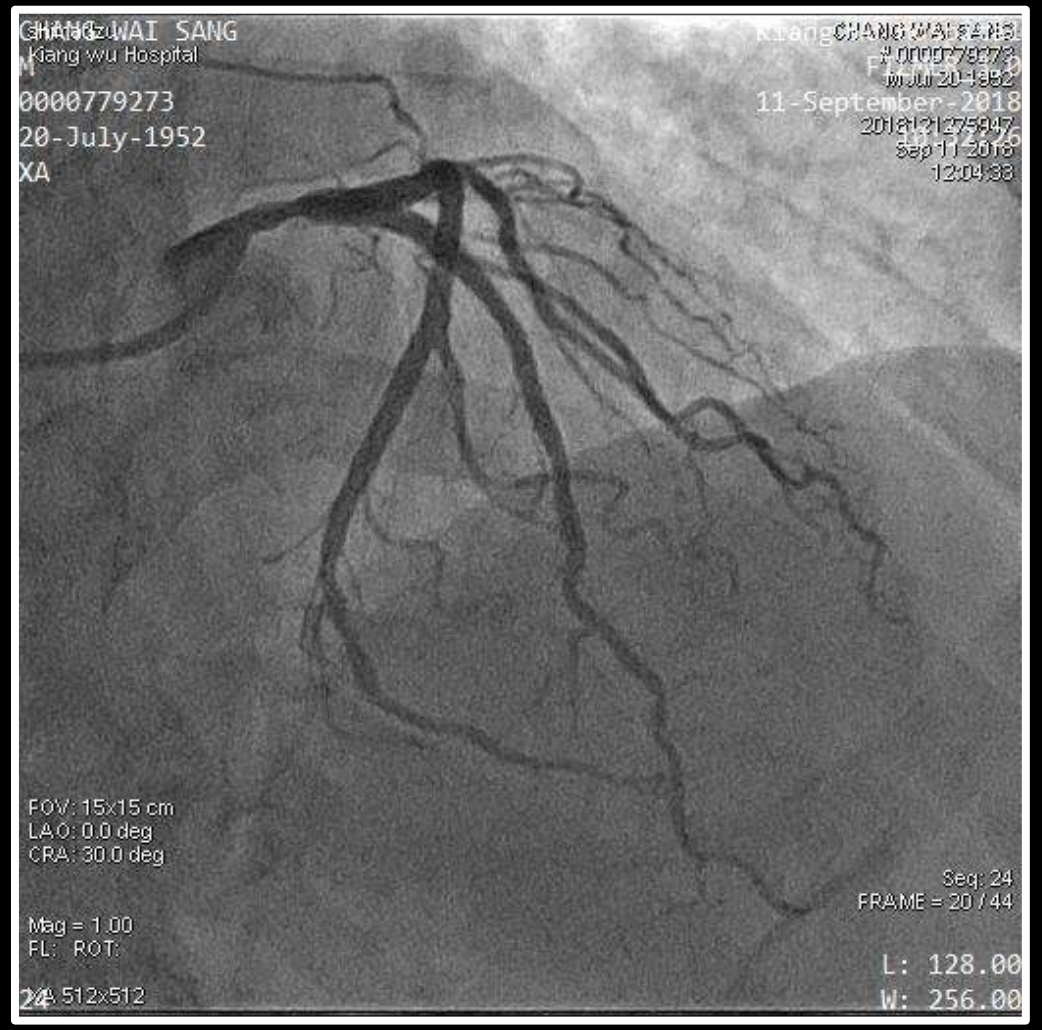
Consultant, The Heart Clinic

HISTORY

- Mr. C 66 years male
- Had stent implanted at mid-2017
- Chest Pain in August 2018, advise for CAG
- CAG: 11/Sept 2018 done in other hospital

SEPT 11, 2019 CORO



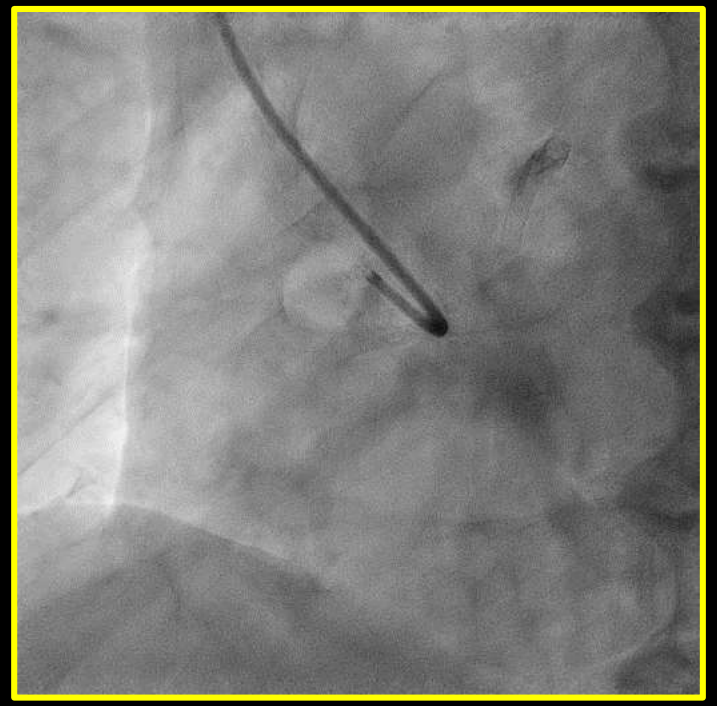
RESULT

- Distal LM ~50% stenosis
- Mid-LAD ISR ~20-30%
- Proximal LCX ISR ~60%; LCX Stent patent
- No Intravascular imagining performed
- Advised Medical Treatment
- Discharged 13/Sept
- Changed Plavix to Brilinta

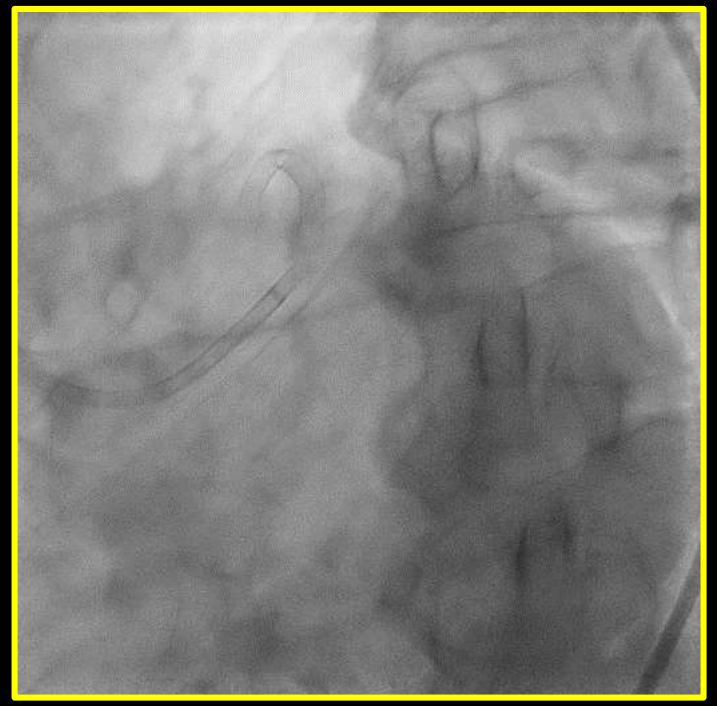
WHAT HAPPENED ?

- 3/10 2018, consultation with severe chest pain on exertion and at times, rest pain, one week after discharged
- Symptoms like acute coronary syndrome
- Advised for admission, from Macau to Hong Kong
- Admitted by 5/Oct 2018
- Cardiac catherization at the same day

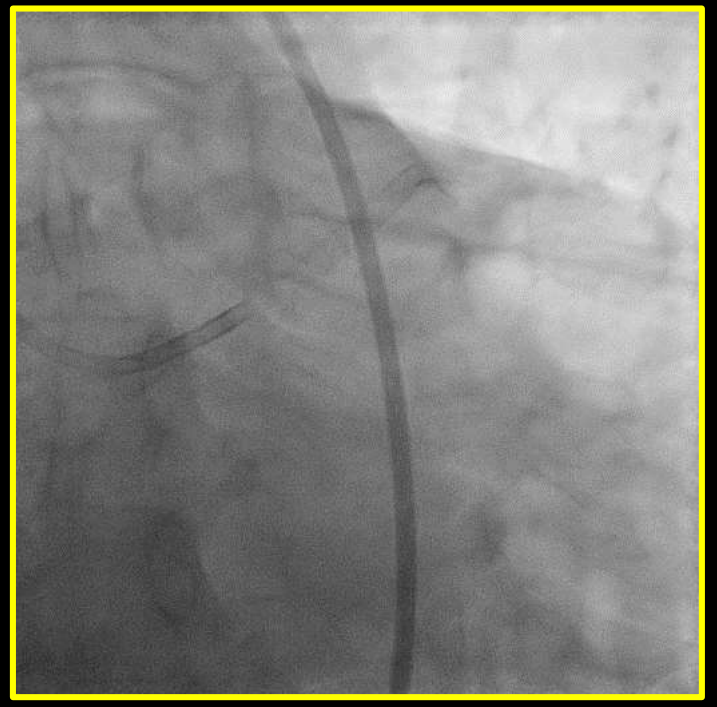
OCT 5, 2018 CORO



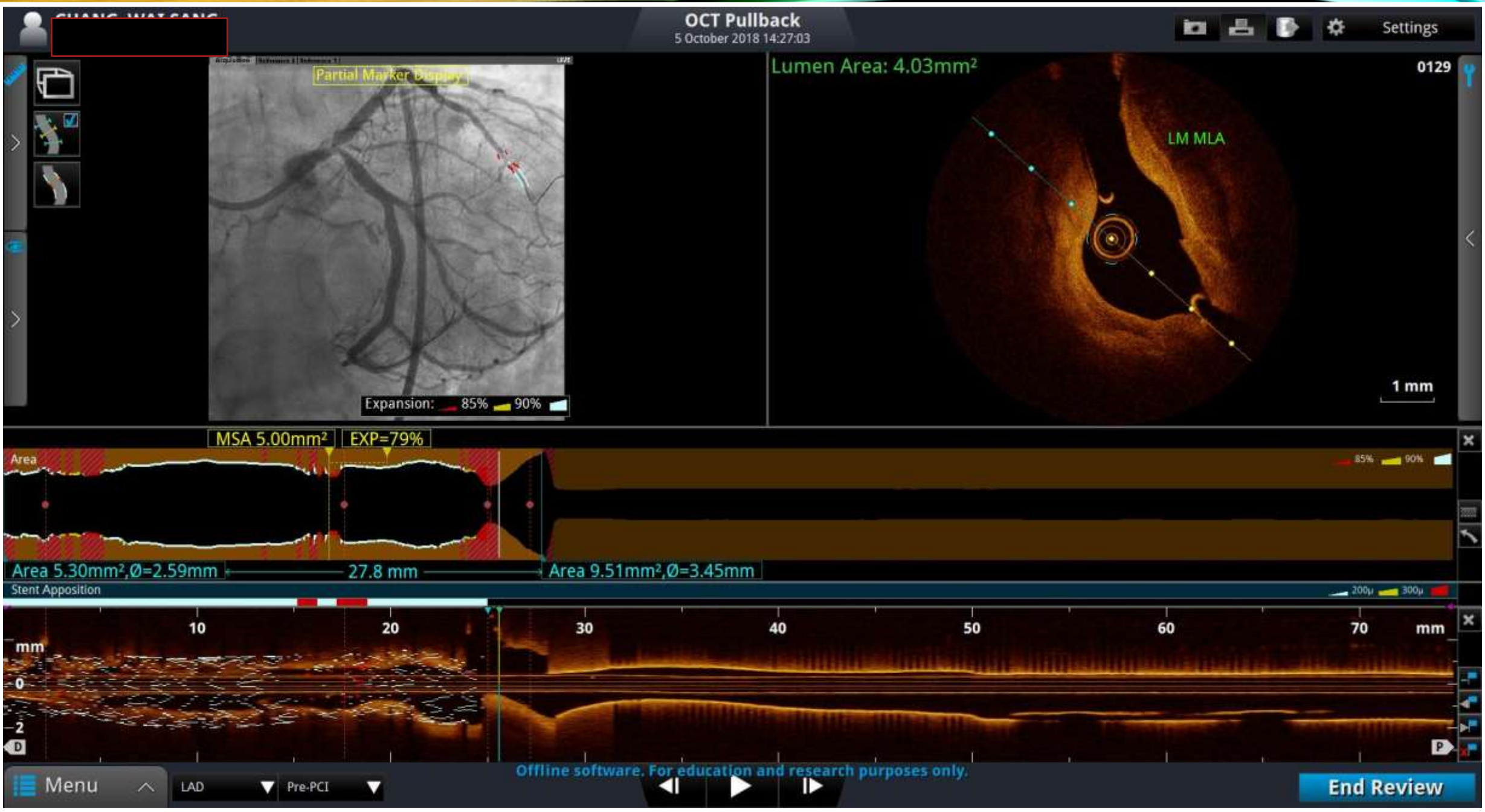
RCA



LCA



LCA Bifurcation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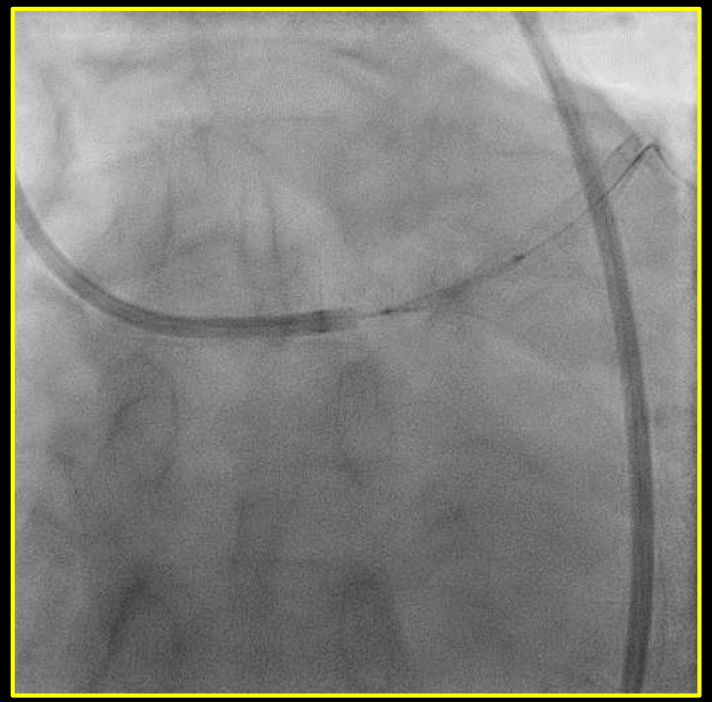
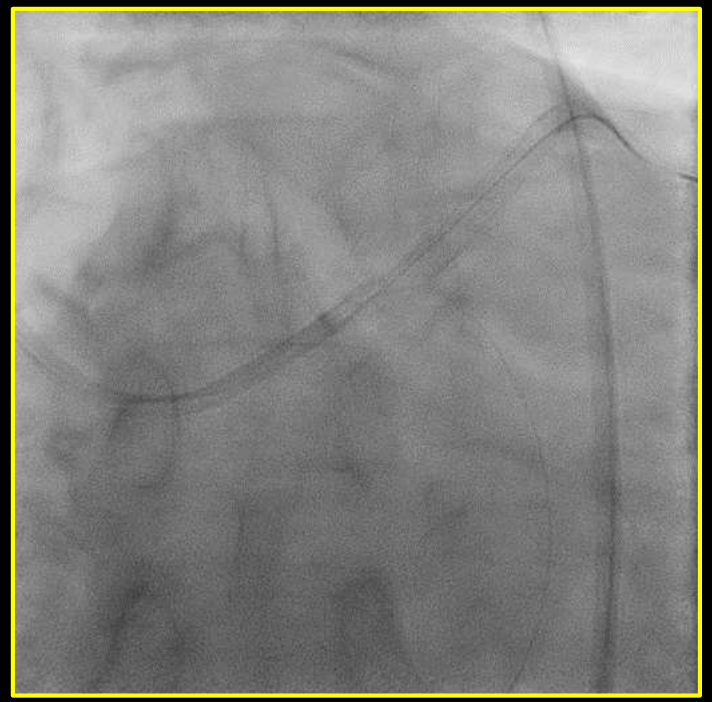
Partial Marker Display
Expansion: 85% 90%
Lumen Area: 4.03mm²
0129
LM MLA
1 mm
MSA 5.00mm²
EXP=79%
Area
85%
90%
Area 5.30mm²,Ø=2.59mm
27.8 mm
Area 9.51mm²,Ø=3.45mm
Stent Apposition
200µ
300µ
10
20
30
40
50
60
70
mm
mm
0
2
D
P
Menu
LAD
Pre-PCI
Offline software. For education and research purposes only.
End Review

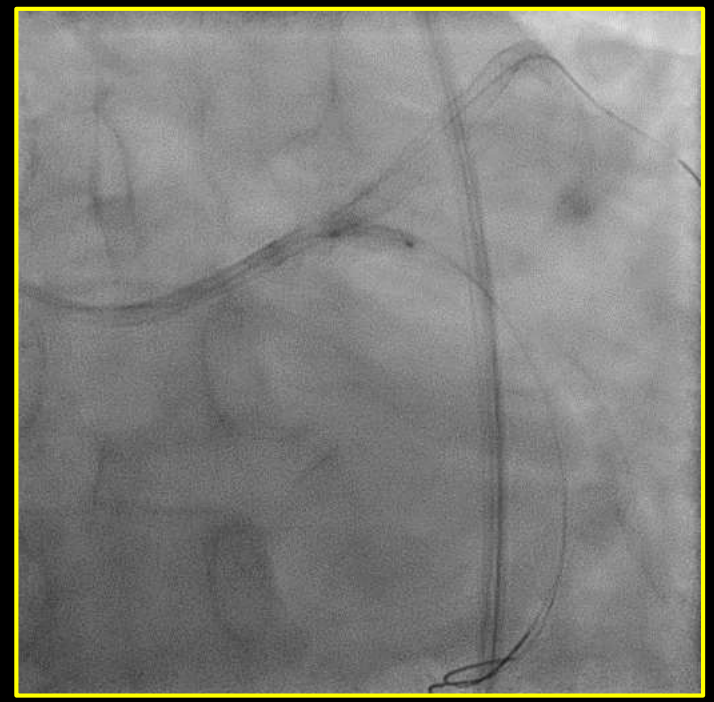
LM TO LAD STENTING



Xience Sierra 3.5/15mm

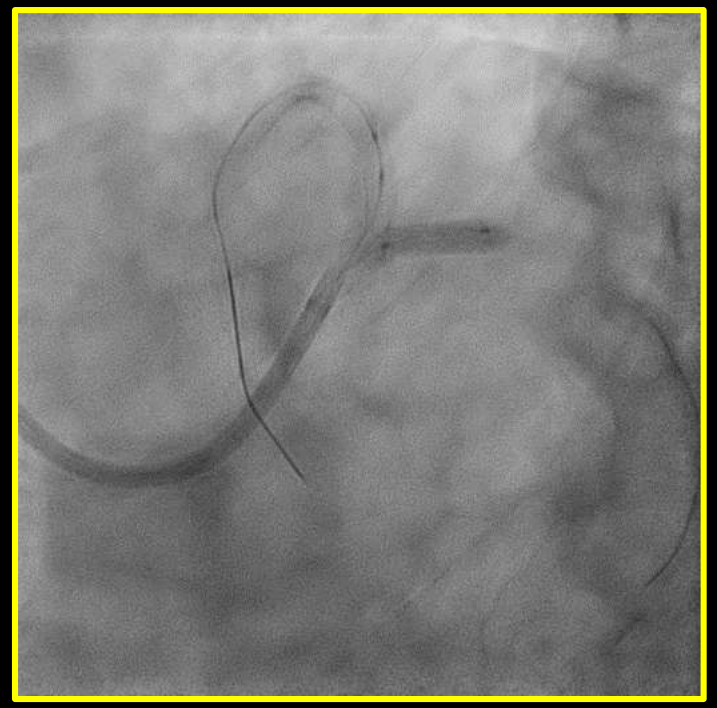


Post DES

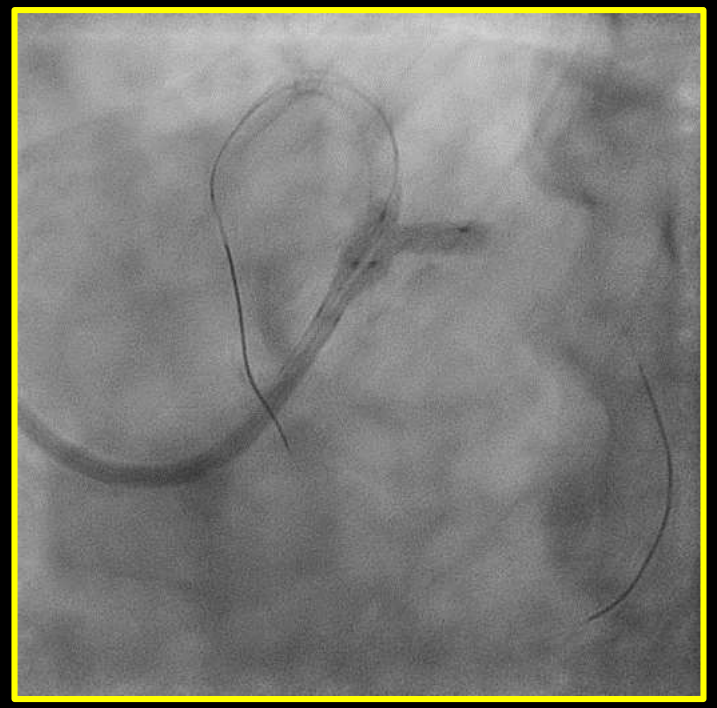


2.0 BDC

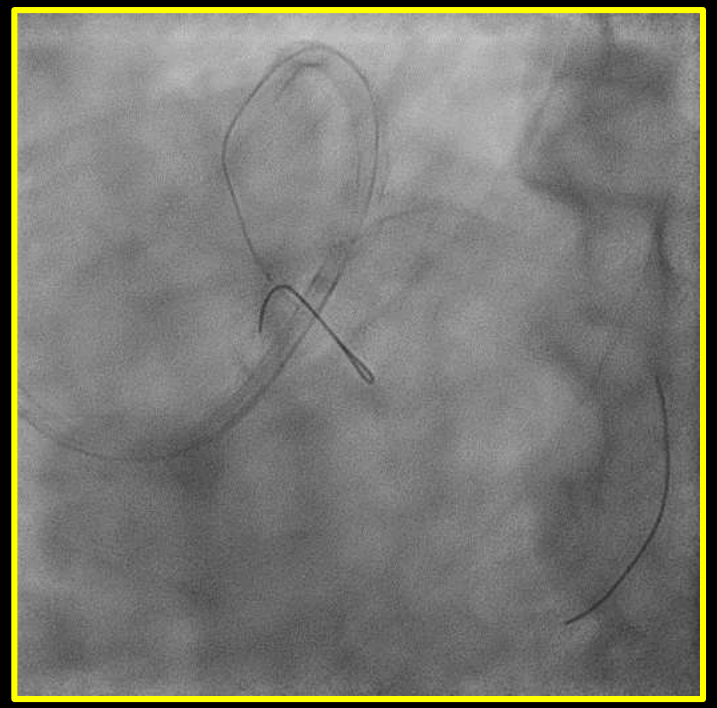
LCX STENTING



Xience Sierra 3.5/12mm

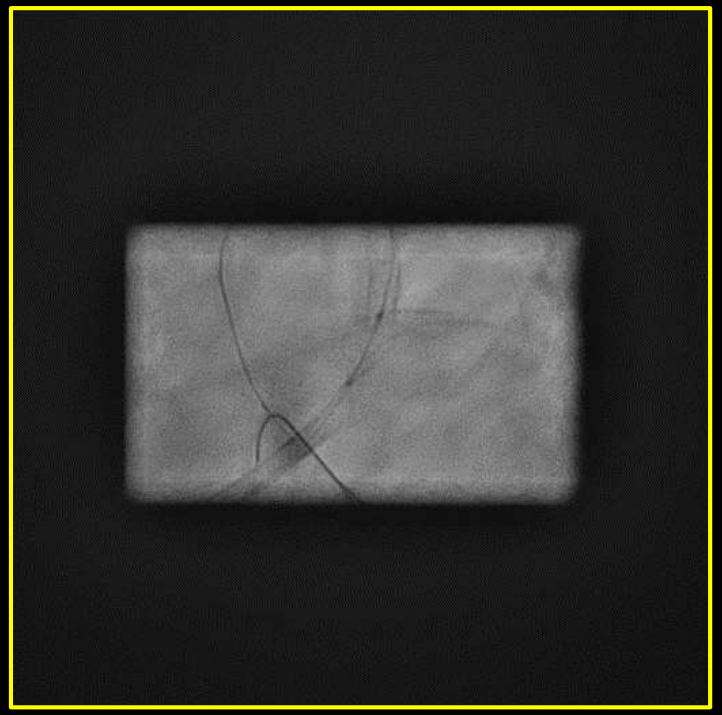


Kissing BDCs

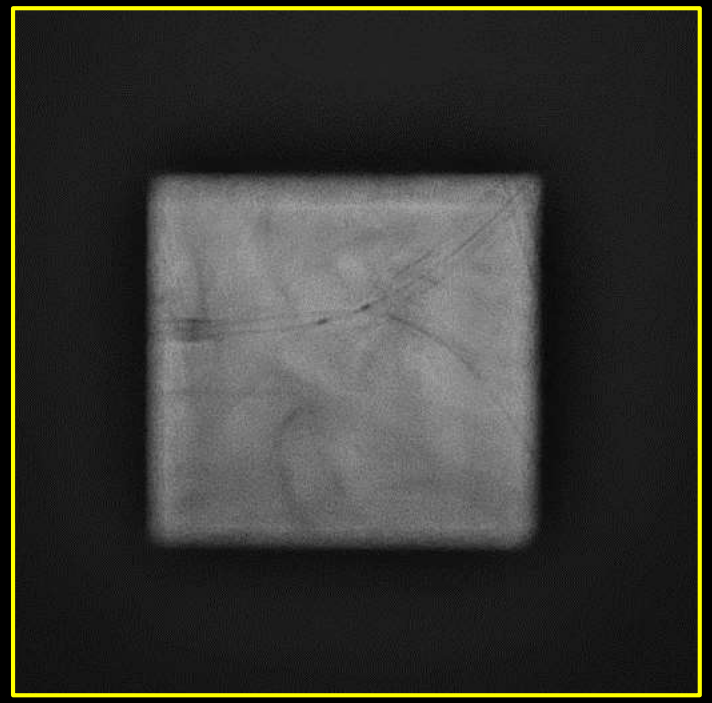


Post stent

POST LM

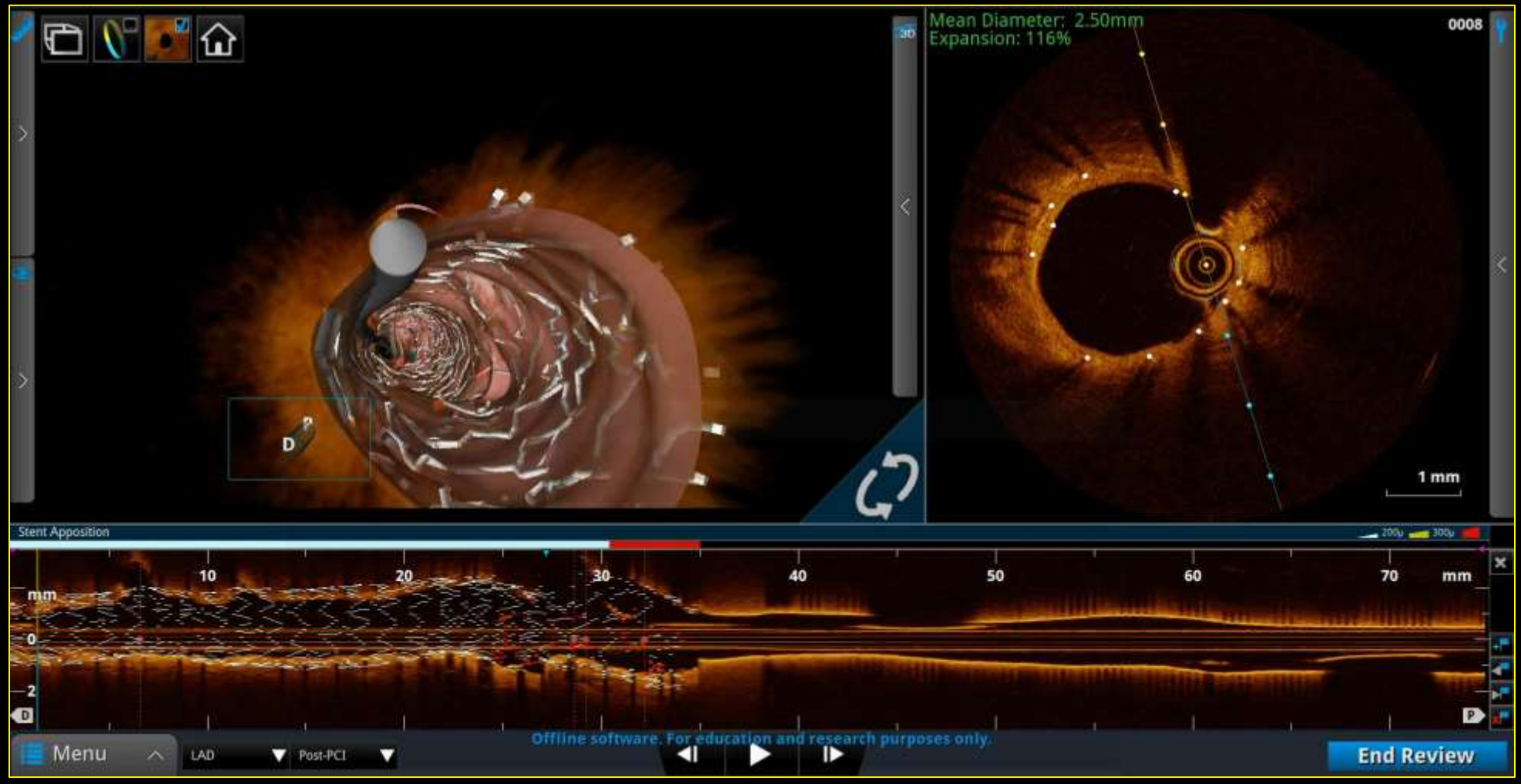


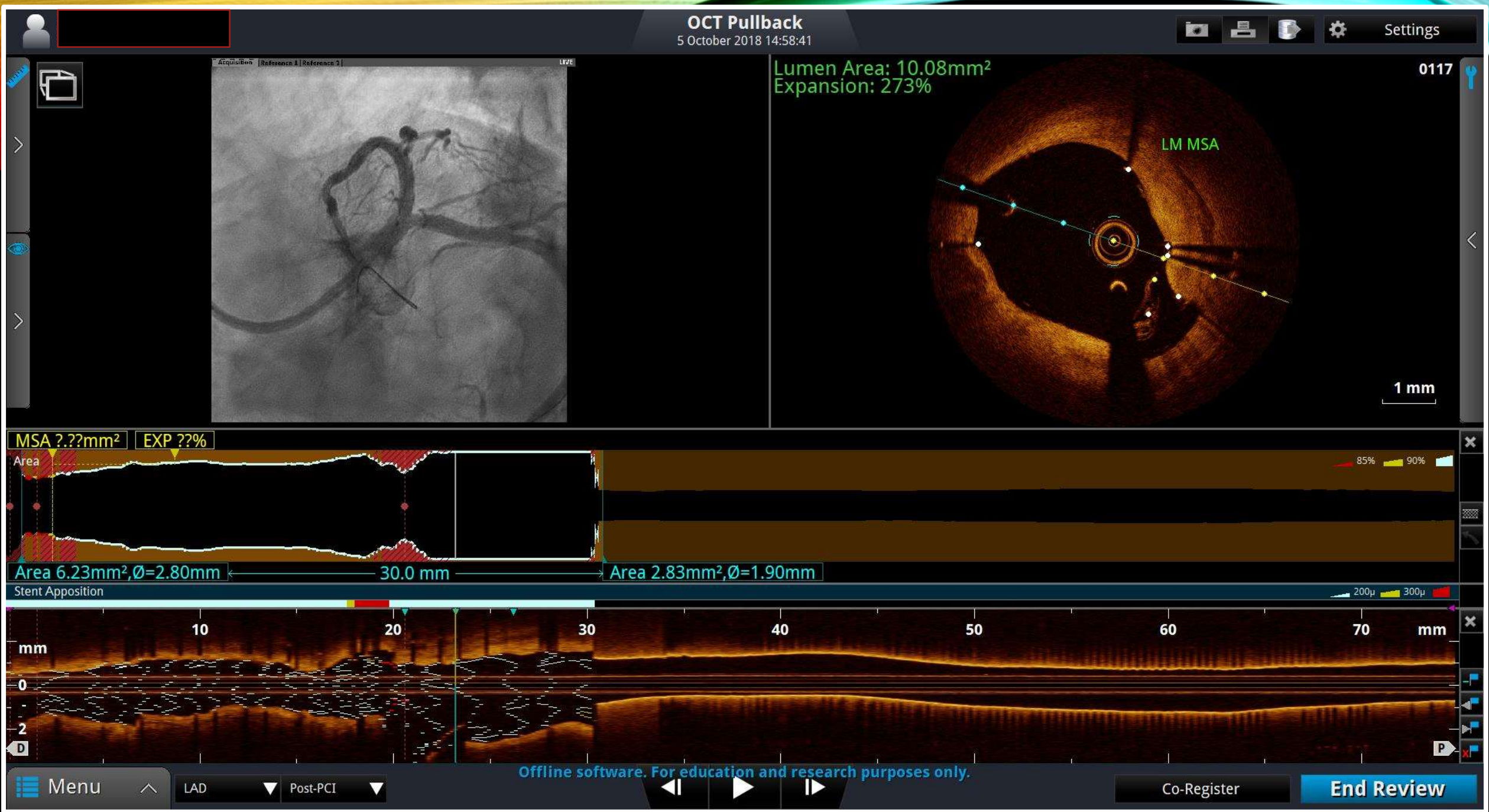
NC Trek 4.0/8mm



NC Trek 4.5/6mm

LAD FLYTHROUGH

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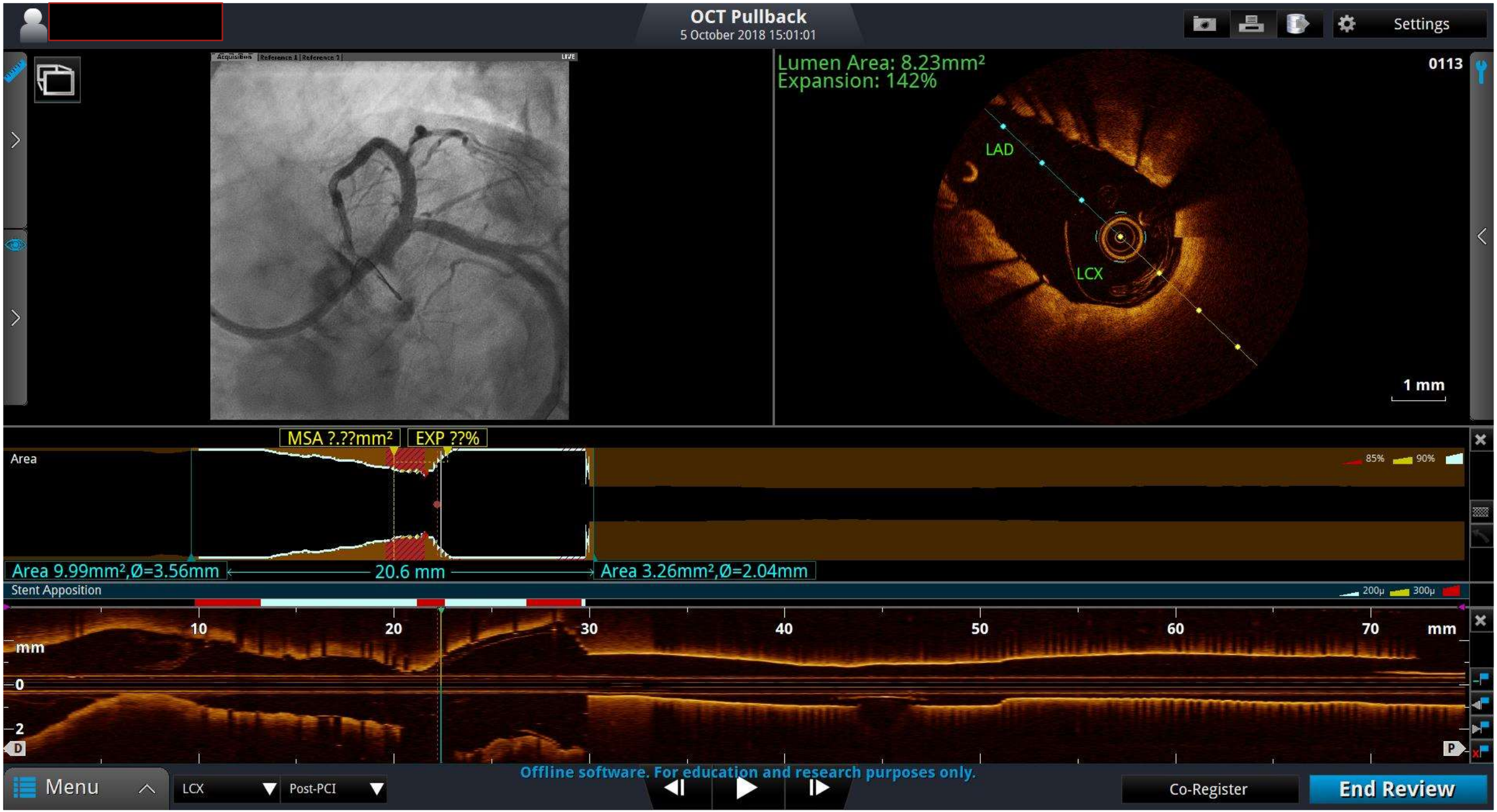
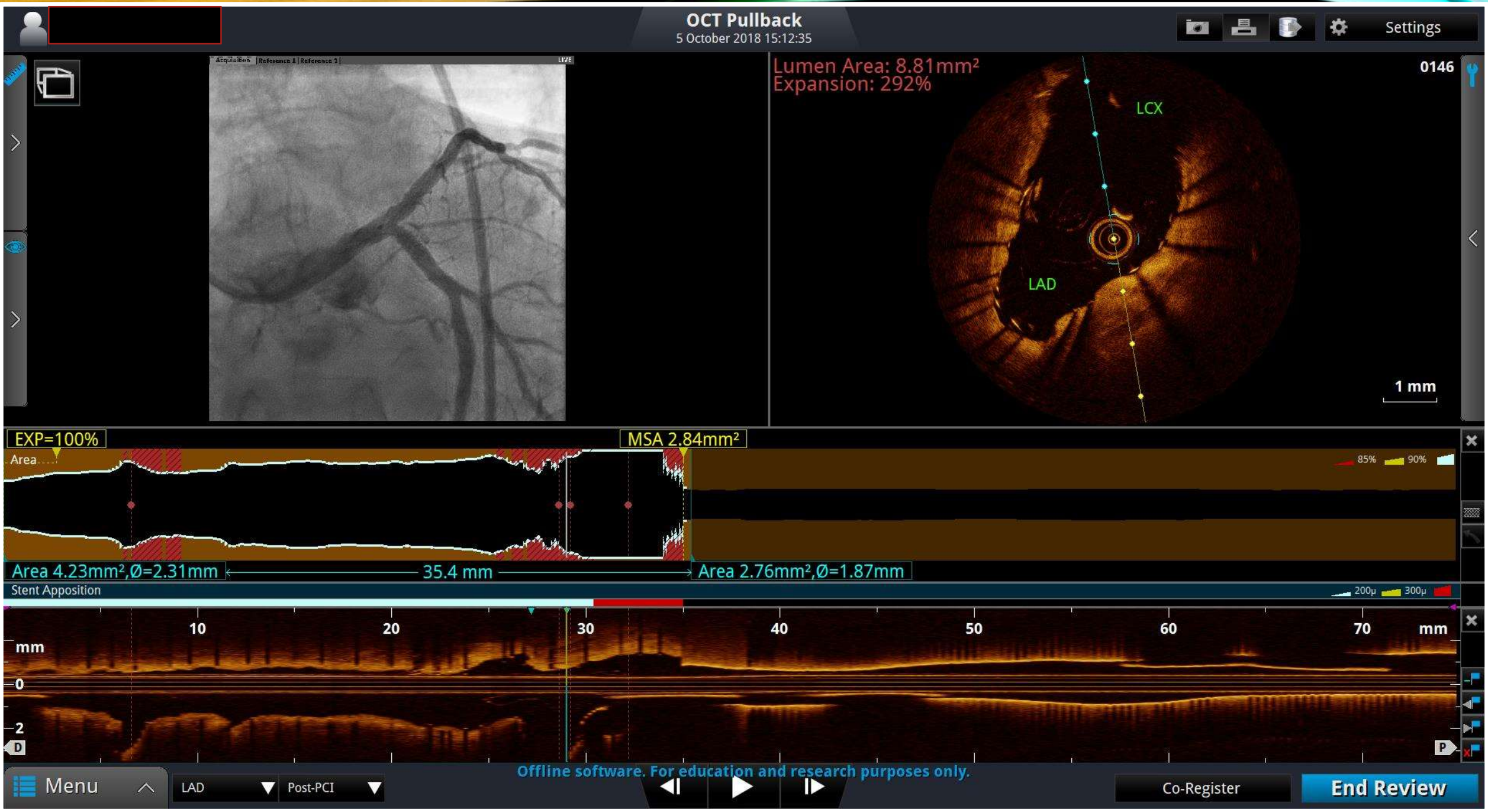
Settings
Lumen Area: 10.08mm²
Expansion: 273%
0117
LM MSA
1 mm
MSA ?.??mm²
EXP ??%
Area
85%
90%
Area 6.23mm²,Ø=2.80mm
30.0 mm
Area 2.83mm²,Ø=1.90mm
Stent Apposition
200µ
300µ
10
20
30
40
50
60
70
mm
0
2
D
P
Offline software. For education and research purposes only.
Menu
LAD
Post-PCI
Co-Register
End Review


OCT Pullback
5 October 2018 15:01:01
Settings
Lumen Area: 8.23mm²
Expansion: 142%
0113
LAD
LCX
1 mm
MSA ?.??mm²
EXP ??%
Area
85%
90%
Area 9.99mm²,Ø=3.56mm
20.6 mm
Area 3.26mm²,Ø=2.04mm
Stent Apposition
200µ
300µ
10
20
30
40
50
60
70
mm
mm
0
2
D
P
Offline software. For education and research purposes only.
Menu
LCX
Post-PCI
Co-Register
End Review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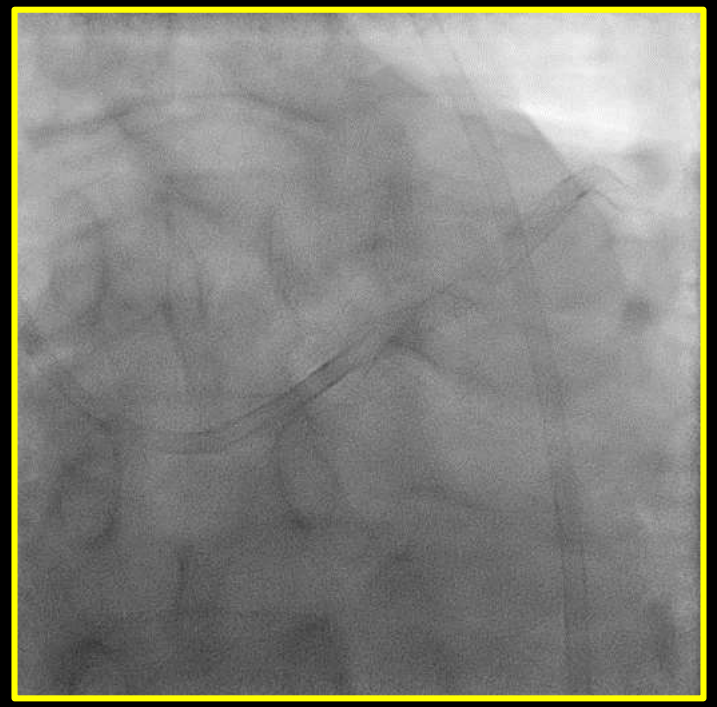
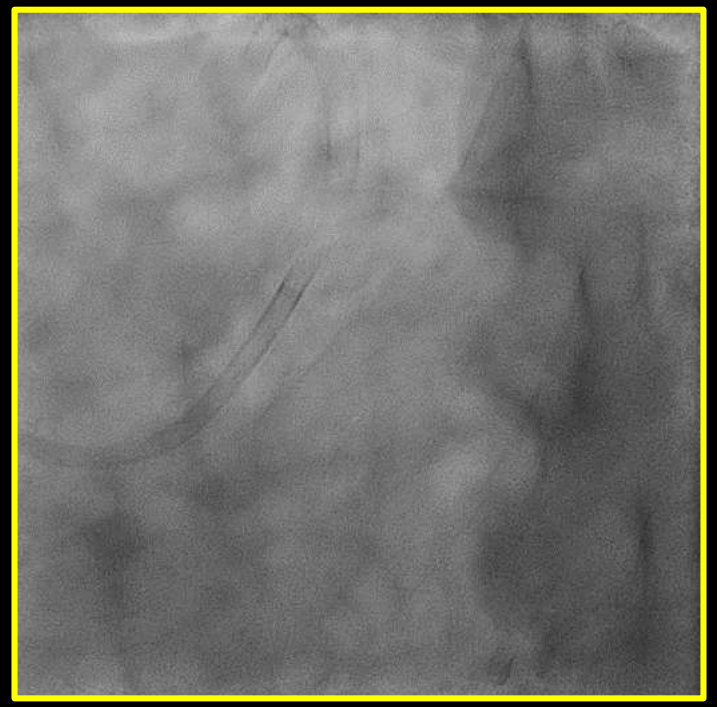
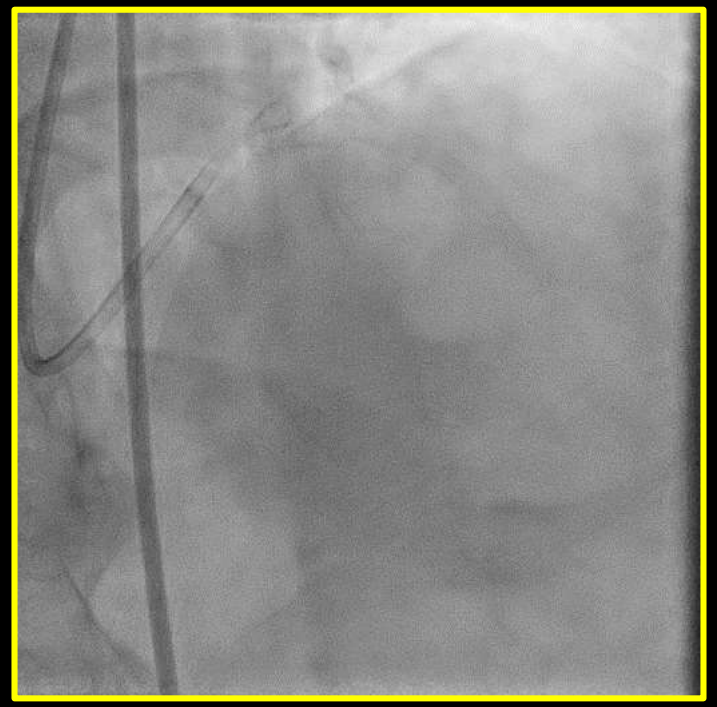
Settings
Lumen Area: 8.81mm²
Expansion: 292%
0146
LCX
LAD
1 mm
EXP=100%
MSA 2.84mm²
Area
85%
90%
Area 4.23mm²,Ø=2.31mm
35.4 mm
Area 2.76mm²,Ø=1.87mm
Stent Apposition
200µ
300µ
10
20
30
40
50
60
70
mm
0
2
D
P
Offline software. For education and research purposes only.
Menu
LAD
Post-PCI
Co-Register
End Review

FINAL



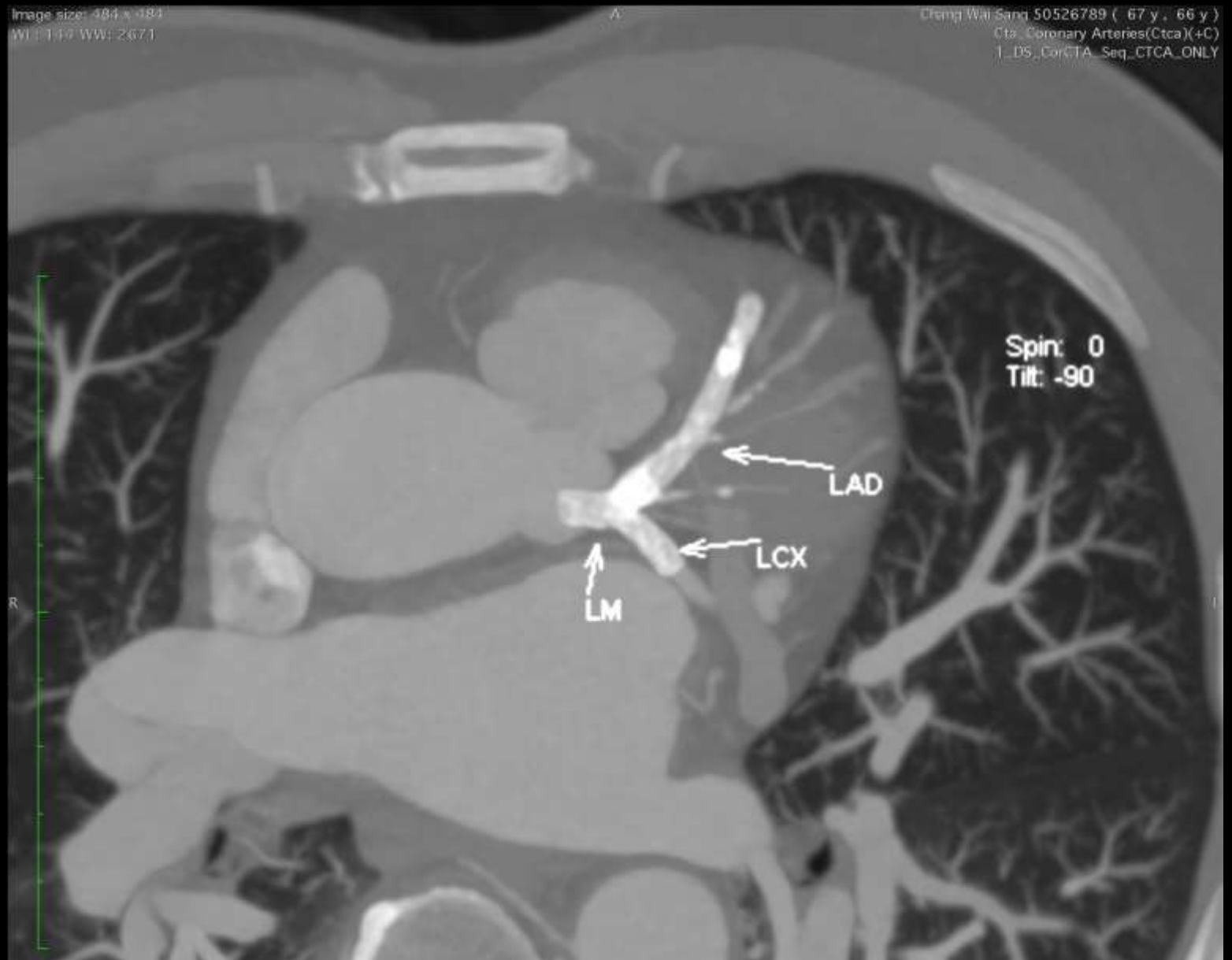




RECURRENCS?

- Discharged 7/Oct 2018
- Continuous on Brilinta 90 mg BD
- Review on the 10/Oct 2018
- Complained very dyspnoea (few steps), and pressure like over the chest
- ? Resurrence
- Admitted on the 10/Oct
- CTCA next day

CTCA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Cheng Wai Sang 50526789 (67 y , 66 y)
Cta_Coronary Arteries(Ctca)(+C)
1_DS_CorCTA_Seq_CTCA_ONLY
Spin: 0
Tilt: -90
LAD
LCX
LM

RESULT

- CTCA with patent bifurcation stenting of Left Main. LAD, LCX
- Adverse effect of Brilinta
- Changed to Plavix
- Symptom disappeared within 24 hours
- Discharged 2 days later
- Follow regularly in Macau
- Last CTCA April 2019 with patent stentings
- Well since last Octo

TAKE HOME MESSAGE

- Non-invasive test against invasive test
- Intravascular imagining is important, particular left main case
- Follow up with CTCA
- Brilinta side effect can be upto 15%