

TCTAP 2011





Evaluation of Effectiveness and Safety of BIOMATRIX (Biolimus A9®) StEnt in Patients with AcUTe Coronary SYndrome; A Multicenter, PROSPECTIVE OBSERVATIONAL STUDY

BEAUTY Study

Young Joon Hong, MD on behalf of BEAUTY Investigators

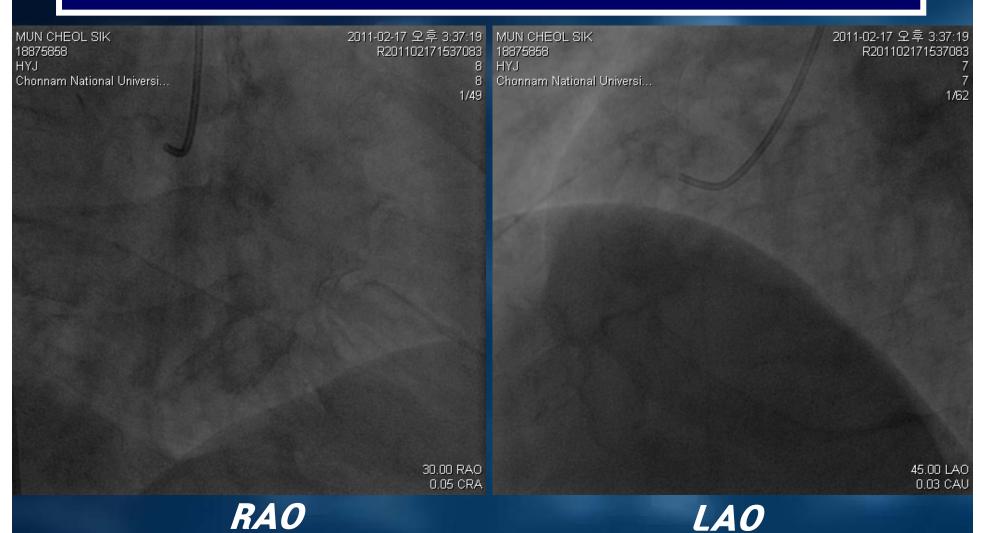
Case I. 59Y/M UAP, HT(+), CAG



RAO LAO

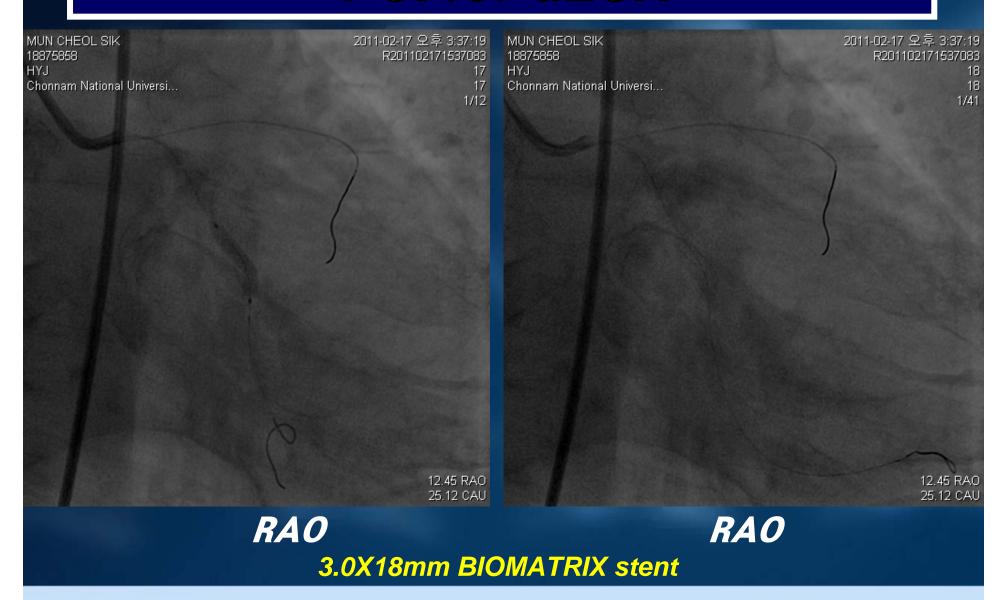
Critical stenosis in from pmLAD to dLM (B2,85%,III) and dLCX (B2,85%,III)





No significant stenosis in RCA

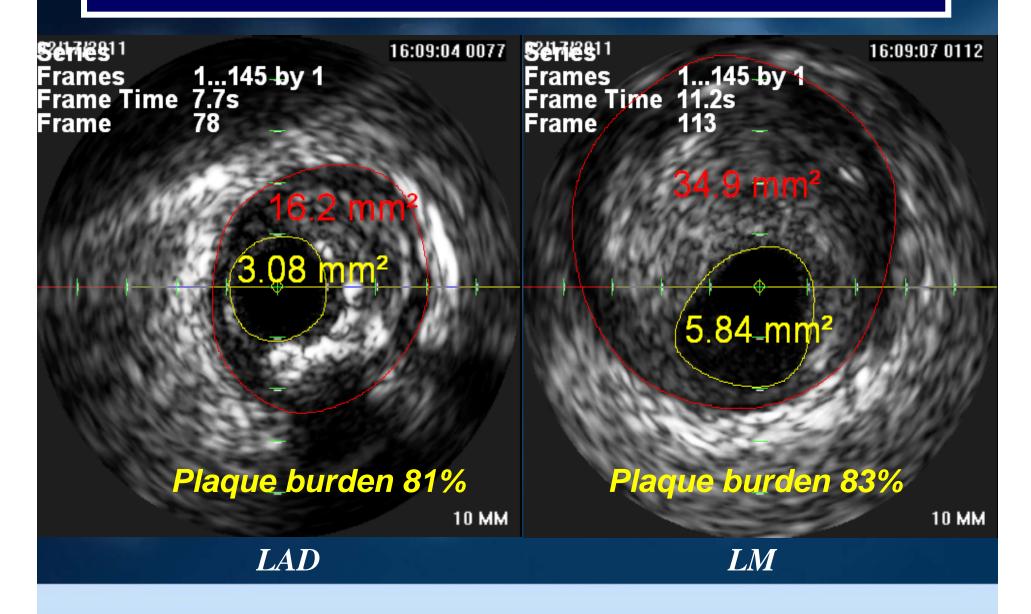
PCI for dLCX



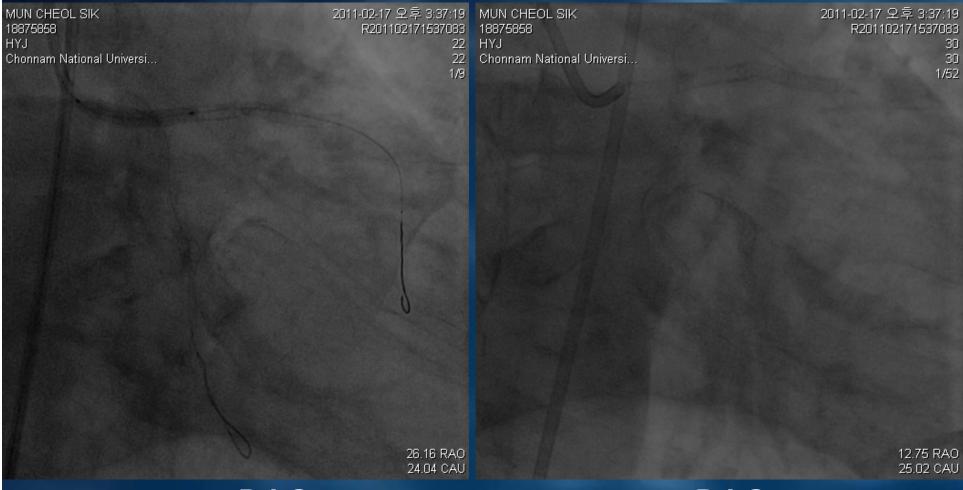
Pre-PCI LAD, LM IVUS



MLA Site

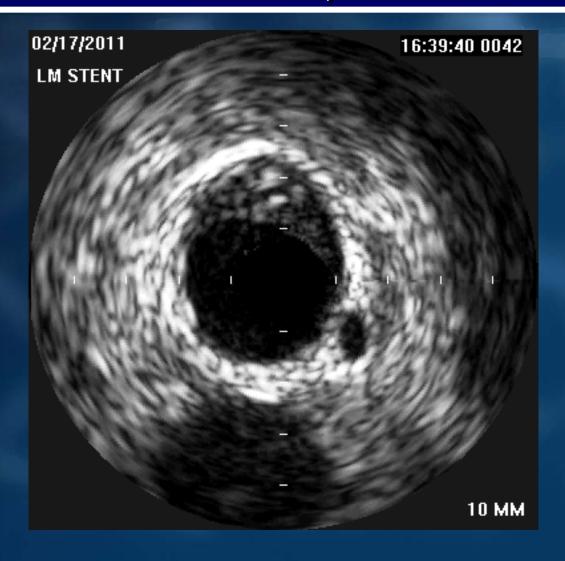


PCI for LM, LAD

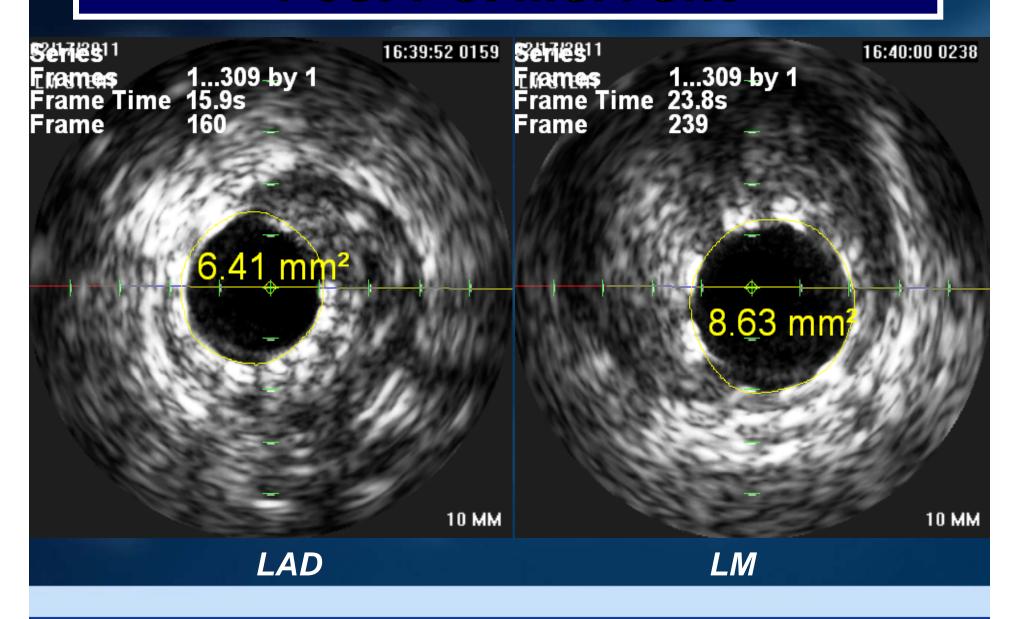


RAO RAO 3.5X23mm (LM), 3.0X18mm (LAD) BIOMATRIX stent

Post-PCI LAD, LM IVUS



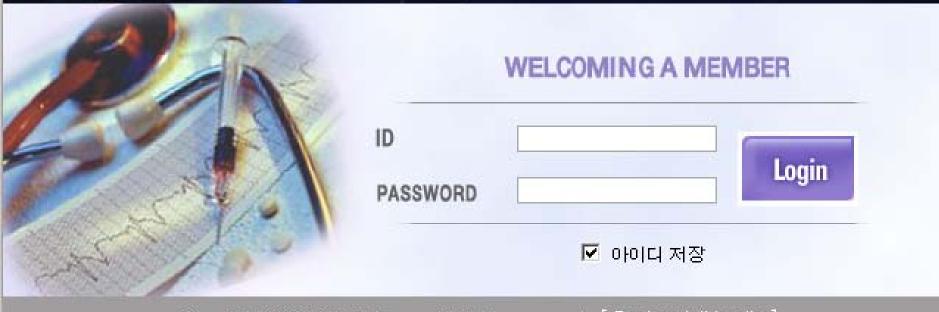
Post-PCI MSA Site





BEAUTY-Study

Evaluation of Effectiveness and Safety of BIOMATRIX (Biolimus A9®) StEnt in Patients with AcUTe Coronary SYndrome



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김은정 (전남대병원) Prev Manual Admin Logout

BEAUTY-Study Study Status

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New Case

Subject List

Statistics

Study Status		Ⅲ 그래프 Report		Status		작성도	Excel
번호	병원명	Investigator	Week	Month	Total	Excluded	Last Date

번호	병원명	Investigator	Week	Month	Total	Excluded	Last Date
01	전남대병원	정명호	4	9	18	0	2011-04-21
02	조선대병원	고영엽	0	0	0	0	
03	해운대백병원	김두일	0	0	0	0	
04	중앙대병원	김상욱	0	0	0	0	
05	경희대병원	김원	0	0	0	0	
06	고대구로병원	나승운	0	0	0	0	
07	전주예수병원	류제영	0	0	0	0	
08	영남대병원	박종선	0	0	0	0	
09	경북대병원	박헌식	0	0	0	0	
10	건양대병원	배장호	0	0	0	0	
11	충북대병원	배장환	0	0	0	0	
12	원광대병원	오석규	0	0	0	0	
13	일산백병원	이성윤	0	0	0	0	
14	광주기독병원	이승욱	0	0	0	0	
15	충남대병원	이재환	0	0	0	0	
16	고대안산병원	임상엽	0	0	0	0	
17	순천성가롤로병원	조장현	0	0	0	0	
18	부산대병원	차광수	0	0	0	0	
19	전북대병원	채제건	0	0	0	0	
20	계명대병원	허승호	0	0	0	0	
21	광주보훈병원	황선호	0	0	0	0	
22	경상대병원	황진용	0	0	0	0	
총계			4	9	18	0	

Notice



사용자메뉴얼 추가되었습니다. 작성도 조사표 신설안내입니다. Report Page 신설 안내입니다 스터디 등록을 시작합니다.

2011-04-18 2011-03-14 2011-03-14 2011-03-14

4 1 b

	Week	Month	Total
Patient	4	9	18
Clinical	3	8	17
Procedure	4	9	18
Lesion 1	4	9	18
Lesion 2	2	2	7
Lesion 3	0	0	0
Lesion 4	0	0	0
Lesion 5	0	0	0
Lesion 6	0	0	0
In Hospital	4	8	17
FollowUp 1M	0	3	3
FollowUp 6M	0	0	0
FollowUp 1Y	0	0	0
Death	0	0	0
МІ	0	0	0
Revascular	0	0	0

Free Board

Add

List

원보교이 자사가 자사이고



Purpose

To evaluate the effectiveness and safety after BioMatrix® (Biolimus A9®) stent deployment in patients with acute coronary syndrome



Study Period

From March, 2011 to February, 2013



Study Flow Sheet

ACS patients CAG DS > 50% Egligible for PCI

n=1,000

BioMatrix® stent

1 month clinical follow-up

6 month clinical follow-up

6-12 month follow-up CAG (optional)
Not routine follow-up CAG

12 month clinical follow-up



Patient Eligibility

Inclusion Criteria

Exclusion Criteria

Coronary artery disease

- Acute coronary syndrome including UA, NSTEMI and STEMI

At least one lesion with

- Diameter stenosis ≥ 50%
- RVD: 2.25-4.0 mm
- Number of lesions: no limitation
- Number of vessels: no limitation
- Lesion length: no limitation

Written informed consent

Known allergy to

- aspirin, clopidogrel, heparin, stainless steel, biolimus, contrast material

Planned, elective surgery within 6 months of PCI unless dual APT could be maintained

Pregnancy

Participation in another trial



Primary Endpoint

Composite of cardiac death, non-fatal MI, TVR at 12 months after PCI



Secondary Endpoint

- All cause death
- Cardiac death
- Non-fatal MI
- TVR
- TLR
- ARC-defined definite and probable ST

23 patients were enrolled.

Case II. 44Y/F, UAP, Current Smoker

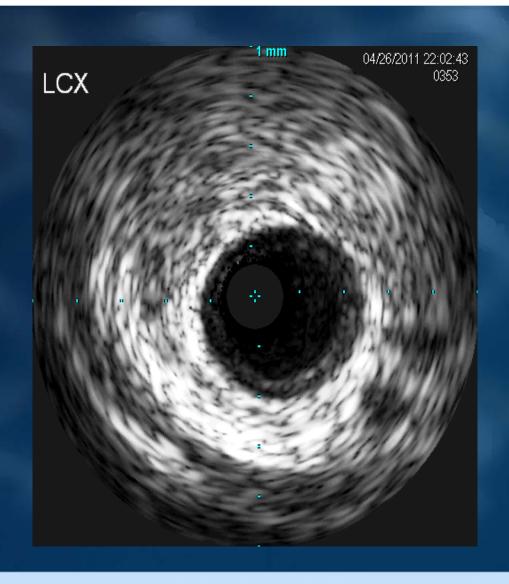




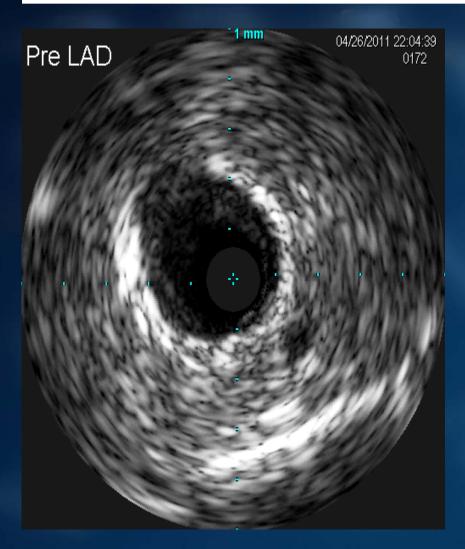
RAO

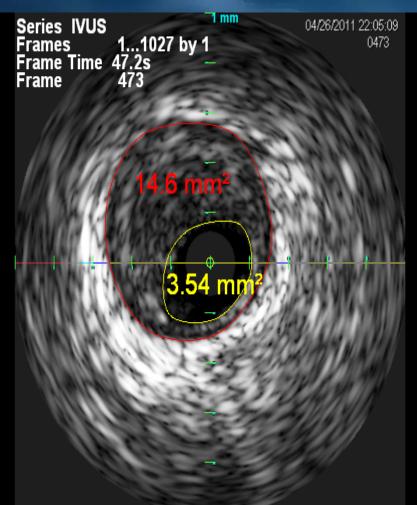
LAO

LCX IVUS



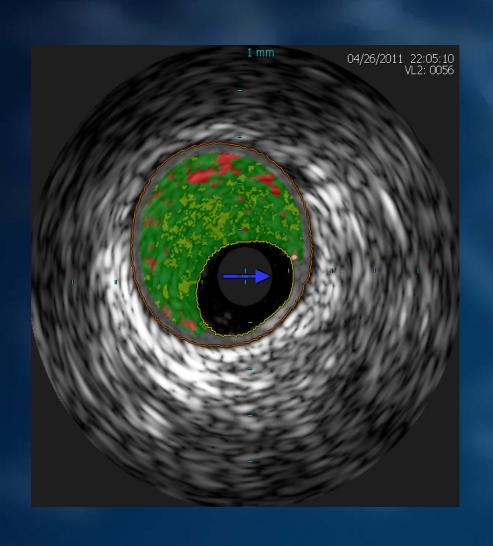
LAD IVUS





Plaque burden 76%

LAD MLA VH-IVUS



Frame Statistics

LUMEN

VESSEL Area: 3.5 mm² Area: 14.6 mm²

Min Dia: 1.8 mm

Min Dia: 4.1 mm

Max Dia: 2.4 mm

Max Dia: 4.4 mm

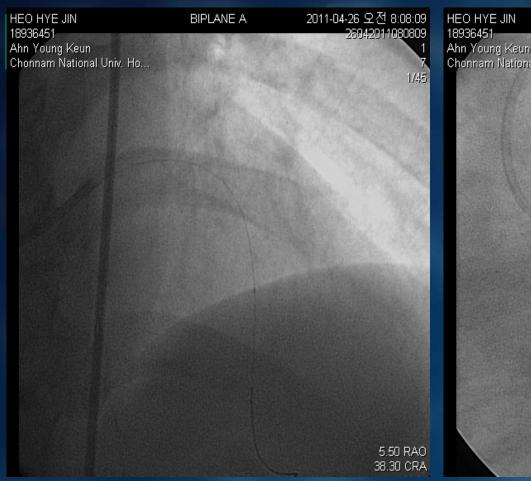
PLAQUE Burden: 75.7 %

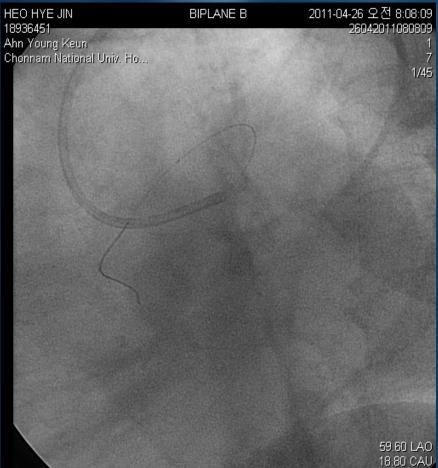
COMPOSITION

- FI: 6.0 mm² (74.4%)
- FF: 1.3 mm² (16.1%)
- NC: 0.8 mm² (9.3%)
- DC: 0.0 mm² (0.2%)



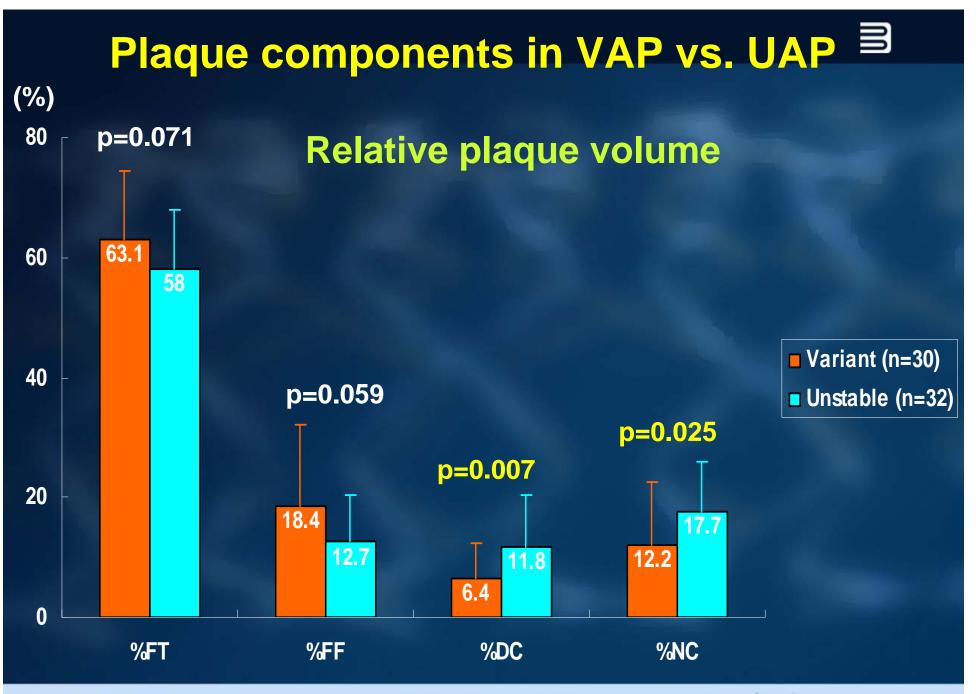
Post-IVUS CAG



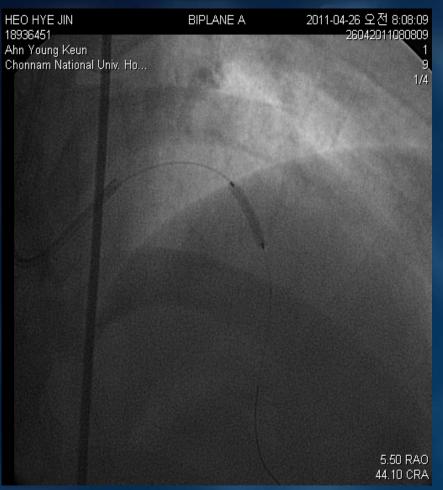


RAO

LAO



Post-balloon, post-NTG CAG

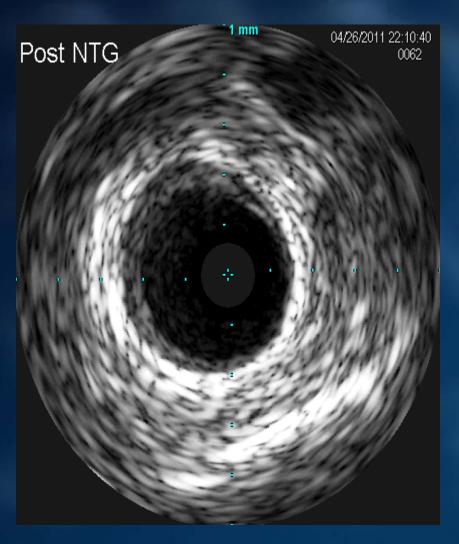


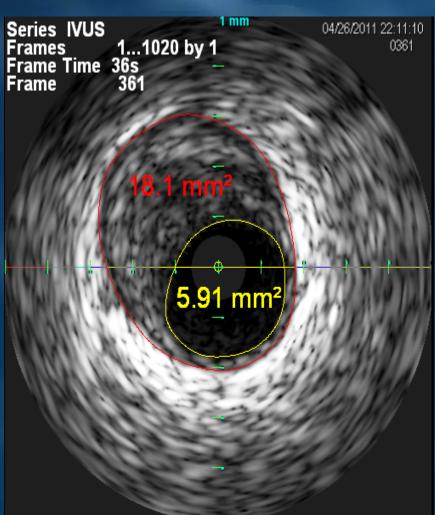


RAO

RAO

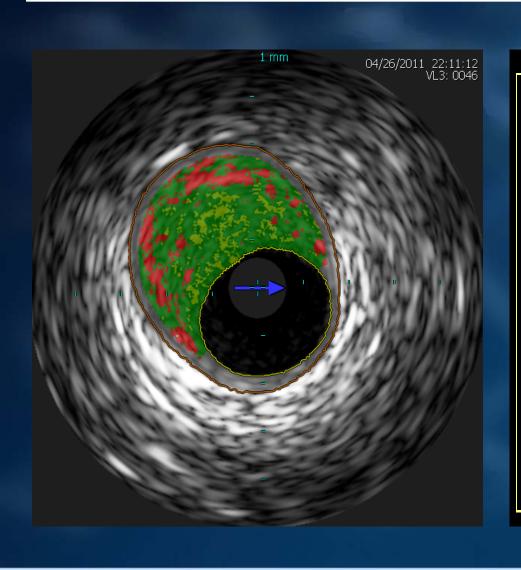
Post-balloon, Post-NTG IVUS





Plaque burden 68%

Post-balloon, Post-NTG VH-IVUS



— Frame Statistics — VESSEL

LUMEN Area: 5.9 mm²

Area: 18.4 mm²

Min Dia: 2.5 mm

Min Dia: 4.3 mm

Max Dia: 3.0 mm

Max Dia: 5.3 mm

PLAQUE Burden: 67.7 %

COMPOSITION

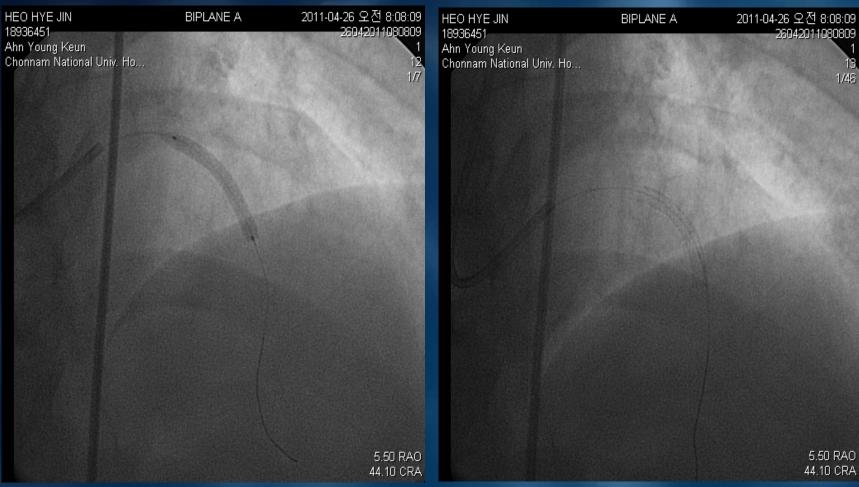
- FI: 6.0 mm² (67.8%)
- FF: 1.0 mm² (11.6%)
- NC: 1.8 mm² (20.6%)
- DC: 0.0 mm² (0.0%)





Do We Have To Treat This Patient?

Stenting for LAD



RAO RAO

3.5X28mm BIOMATRIX stent

Post-PCI LAD IVUS

