Percutaneous intervention of acutely occluded saphenous vein grafts: Thrombectomy with guiding catheter & IVUS guided PCI

Jun Ho Lee MD. / Eun-Seok Shin MD., PhD.

Division of Interventional Cardiology, Department of Internal Medicine, Ulsan University Hospital, University of Ulsan College of Medicine



Presenter Disclosure Information

Presenter: Jun Ho Lee, M.D.

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> No relationships to disclose No industry sponsorship



Case Review

Patient Demographics Age: 68 Gender: F Risk factors: HTN, DM s/p CABG (14 yrs ago)

Clinical Presentation Sudden resting chest pain for 1 hour \rightarrow ER



Initial Laboratory Findings

CK-MB $2.88 \rightarrow 9.27 \text{ ng/ml}$ Troponin T $<0.101 \rightarrow 0.54 \text{ ng/ml}$ Troponin I $0.66 \rightarrow 4.6 \text{ ng/ml}$

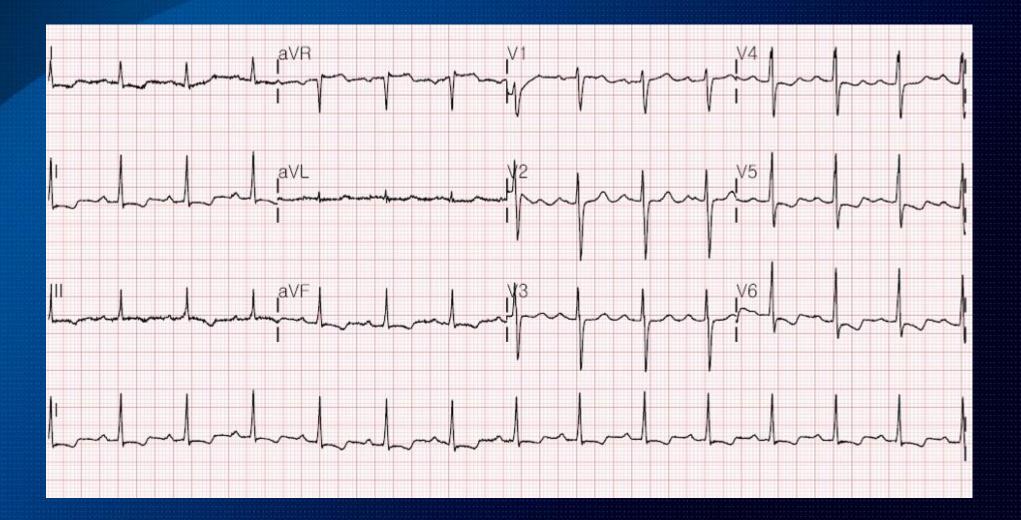
Lipid: TC 141 mg/dl HDL 41 mg/dl TG 74 mg/dl LDL 86 mg/dl

EchoCG: Akinesia without thinning of basal inferior, basal inferoseptum with mild LV systolic dysfunction (EF 48%)



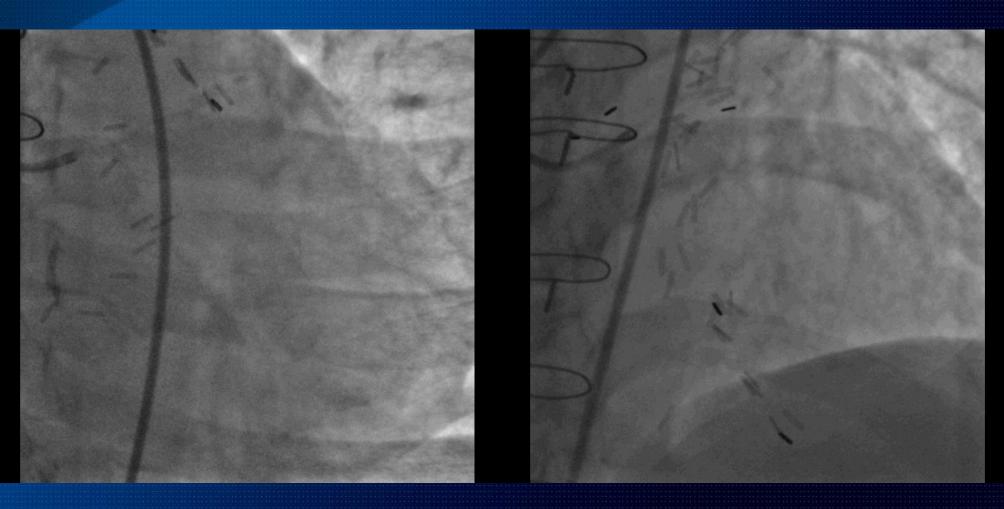
Initial ECG

BP 187/79 mmHg



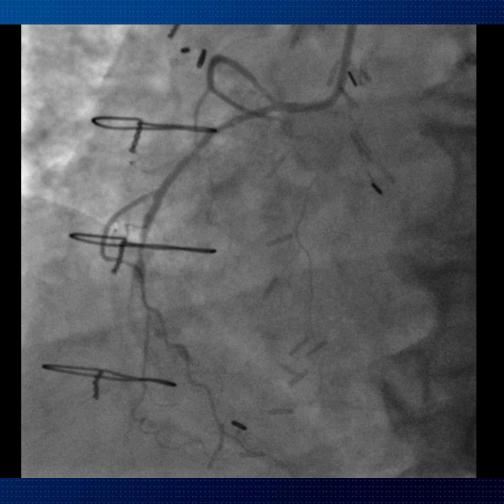


Baseline Angiogram (LCA)



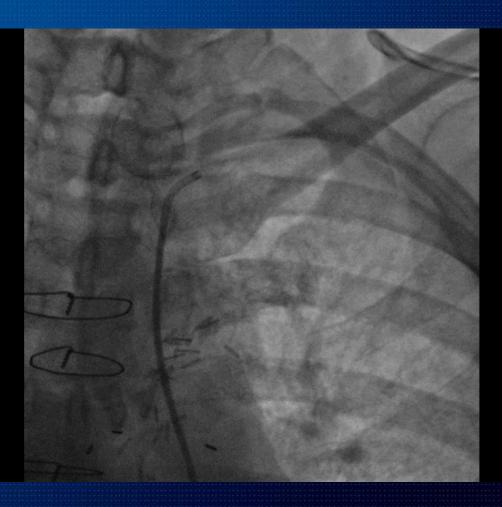


Baseline Angiogram (RCA)



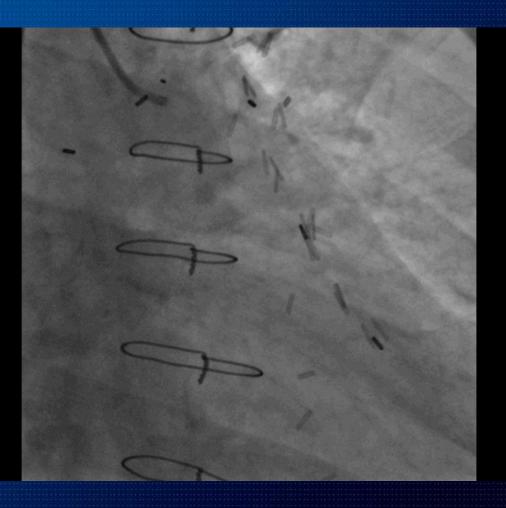


Baseline Angiogram (LIMA to LAD)





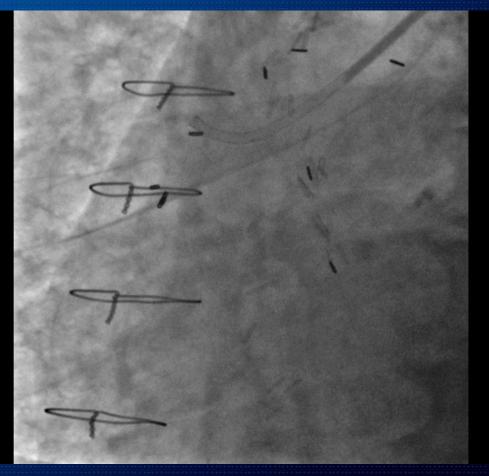
Baseline Angiogram (SVG to OM)





Baseline Angiogram (SVG to RCA)

7F JR4 guiding





Thrombectomy with Export asp. catheter

6F export aspiration catheter : 2 times







After Export asp. catheter





Thrombectomy with Heart-rail guiding catheter 5F Heart-rail guiding catheter: 2 times



ID: 0.059 inch (1.50 mm)

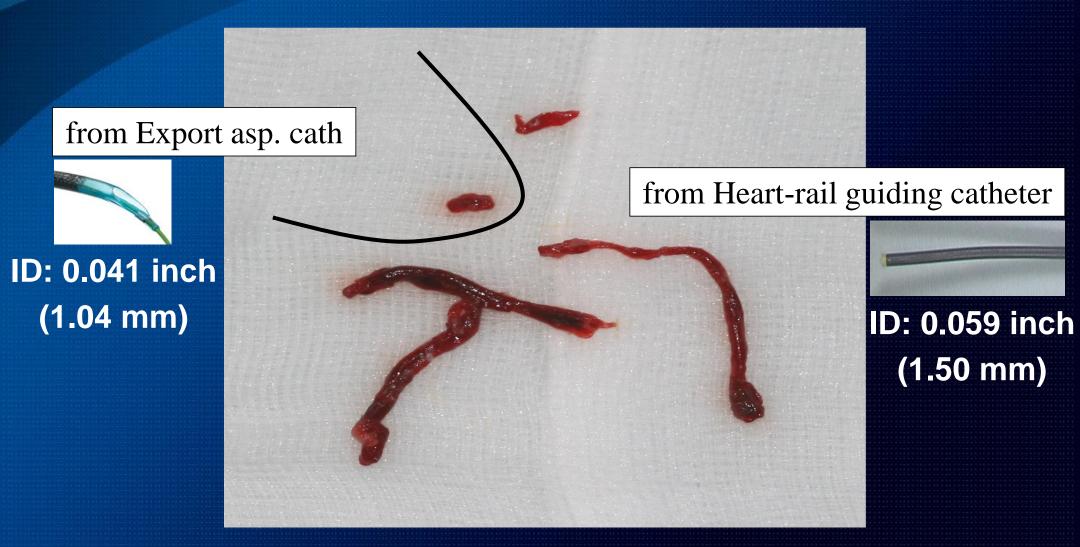


After Heart-rail guiding catheter



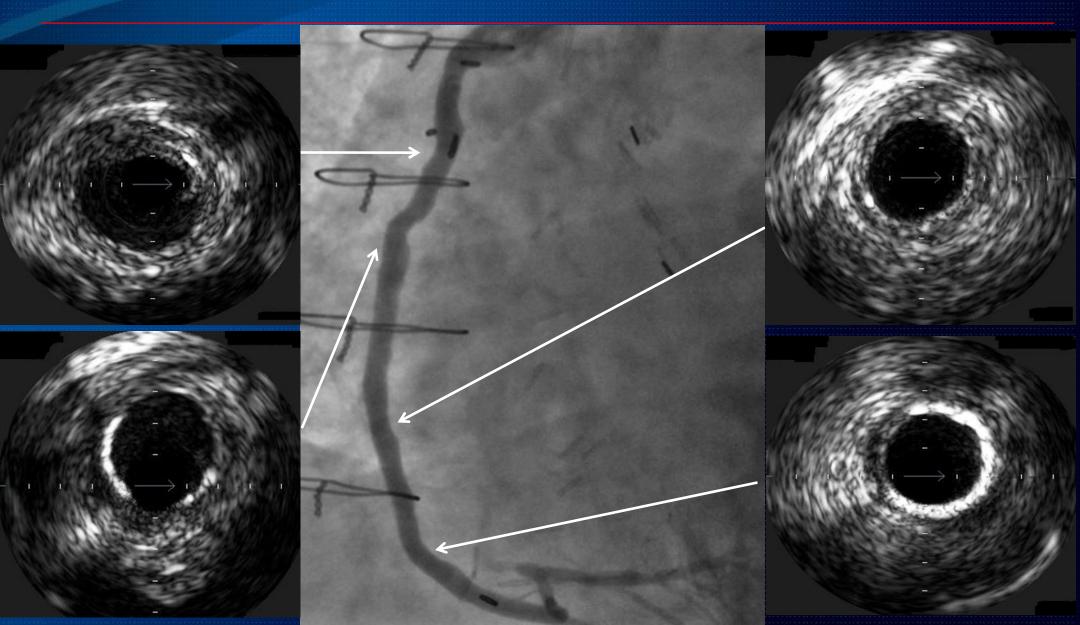


Aspirated thrombi



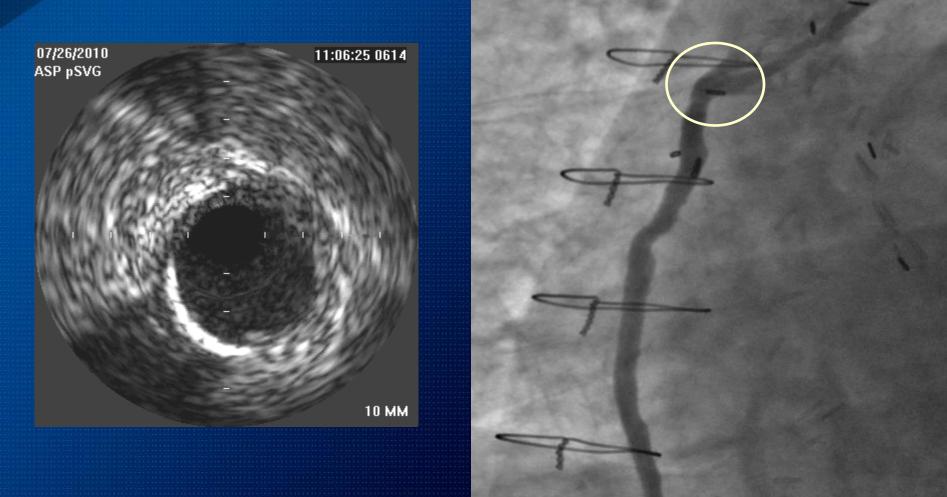


IVUS after thrombectomy





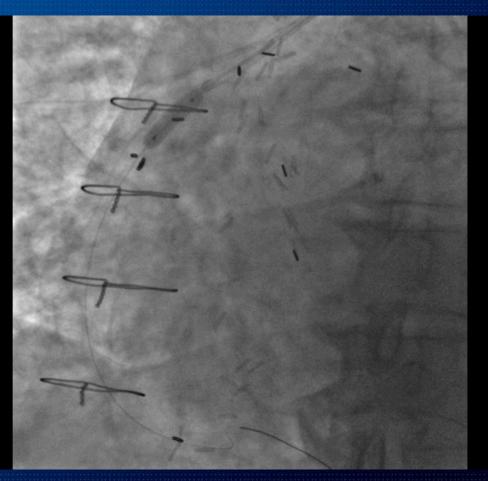
calcified plaque with thrombi at ostium



학교병원

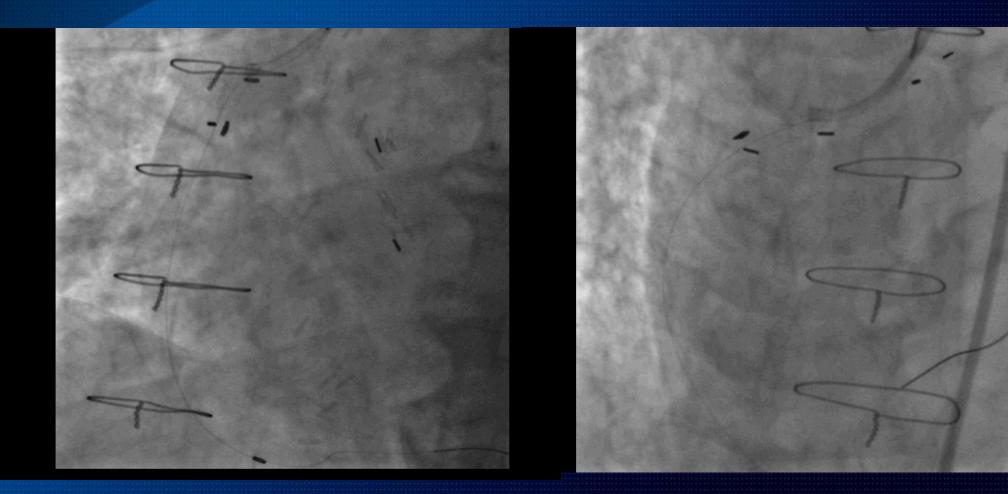
Stent PCI

Xience 4.0 x 15 mm





Final angiogram





Final IVUS







68/F, Hypertension, DM, s/p CABG

NSTEMI & total occlusion with thrombi in SVG

 Successful thrombosuction with Heart-rail guiding catheter

 Successful IVUS-guided stent PCI at ostium of SVG



Message from this case

Aggressive thrombectomy

Minimize using stent

Using IVUS

Find out culprit lesion & accurate stent implantation



Thank you for your attention !

YAY

