

# The 22<sup>nd</sup> Asan Medical Center Interventional Cardiology Training Program

August 2 (Mon.) ~ 5 (Thu.), 2010 / Asan Medical Center, Seoul, Korea



**Dr. Lam ho**

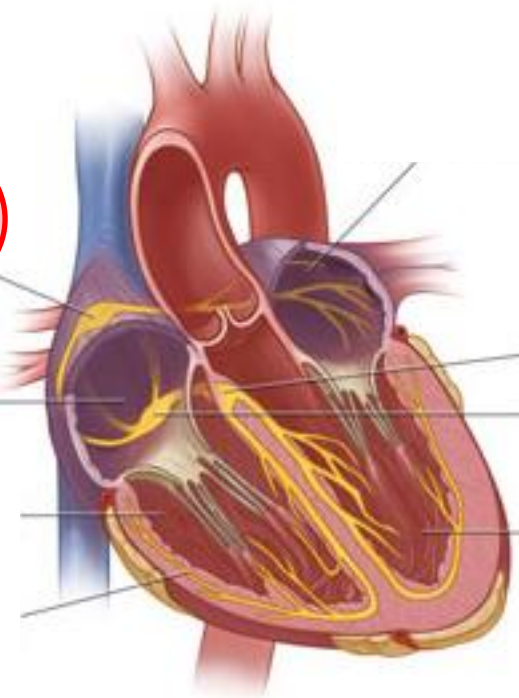
Cath. Lab Director & Consultant.  
Hon. Clinical Associate Professor (CUHK)  
Tuen Mun Hospital

My Road from **ACT** to “crazy” **Left Main PCI**

# This is a special **Atrium** .....

Sinoatrial (SA) node

Right atrium



(SJ) notes:  
No more routine CABG

## ACT Members

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
------	------	------	------	------	------	------	------	------	------	------

### 113<sup>th</sup> ACT (December 10 ~ 13, 2018)



- Brajesh Badhan, Global Heart & Super-Specialty Hospital, India
- Ching-Tang Chang, Kaohsiung Municipal Ta-Tung Hospital, Taiwan
- Chien-Yi Hsu, Taipei Medical University Hospital, Taiwan
- Bijoy Karunakaran, Aster-Mims Hospital, California
- Hsin-Ru Li, Shin Kung Wu Ho-Su Memorial Hospital, Taiwan
- Ming-Shyan Lin, Chiyai Chang Gung Memorial Hospital, Taiwan
- Kuan-Liang Liu, Taiwan Landseed Hospital, Taiwan
- Li-Wei Liu, Tainan Municipal Hospital, Taiwan
- Shih-Wei Meng, National Taiwan University Hospital, Taiwan
- Ngoc Hiep Nguyen, Lam Dong General Hospital, Vietnam
- Xuan Vinh Nguyen, University Medical Center, Vietnam
- Kaoru Sakurai, Shin-yurigaoka General Hospital, Japan
- Ming-Lung Tsai, Chang-Gung Memorial Hospital, Taiwan

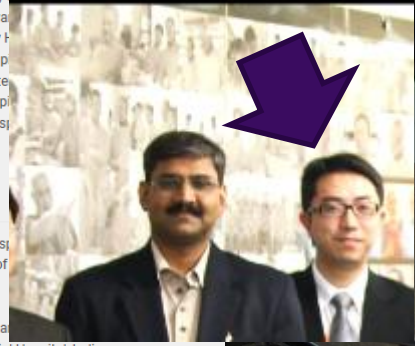
### 112<sup>th</sup> ACT (November 5 ~ 8, 2018)



- Do Truong Son Chau, Gia Dinh People's Hospital, Vietnam
- Yuki Hayakawa, Hospital of the University of Health, Japan
- Yuki Honda, Fuji Hospital, Japan
- Yuta Imai, Saiseikai Shigaken Hospital, Japan
- Annapoorna Asit Kalia, Aditya Birla Memorial Hospital, India
- Jieli Kua, Ng Teng Fong General Hospital, Singapore
- Gavin Yeow Peng Ng, National University Heart Centre, Singapore (NUHCS), Singapore
- Jessica W. L. Poon, Ruttonjee Hospital, Hong Kong, China
- W. A. Ajith Prasanna, Korea University Anam Hospital, Sri Lanka
- Arun Kumar Sharma, Labaid Cardiac Hospital, Bangladesh

### 111<sup>th</sup> ACT (October 15 ~ 18, 2018)

## The 22<sup>nd</sup> Asan Medical



9 years later .....

## Left main and multi-vessel diseases in my hospital

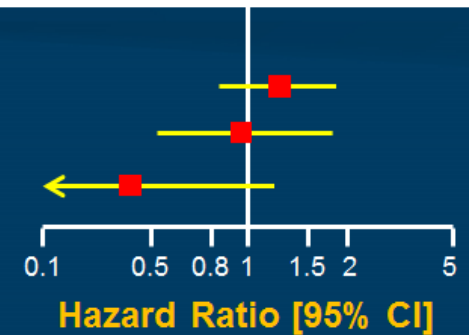
Simple → PCI

Complex → PCI until proven otherwise

Multi-Vessel Disease and  
Left Main Disease ;  
No Longer a Surgeon's Domain  
No more routine CABG !

### Geographic location

- North America	15.5%	12.4%	1.22 [0.82, 1.82]
- Europe	15.5%	15.6%	0.95 [0.69, 1.29]
- Other	9.5%	22.2%	0.37 [0.08, 1.20]

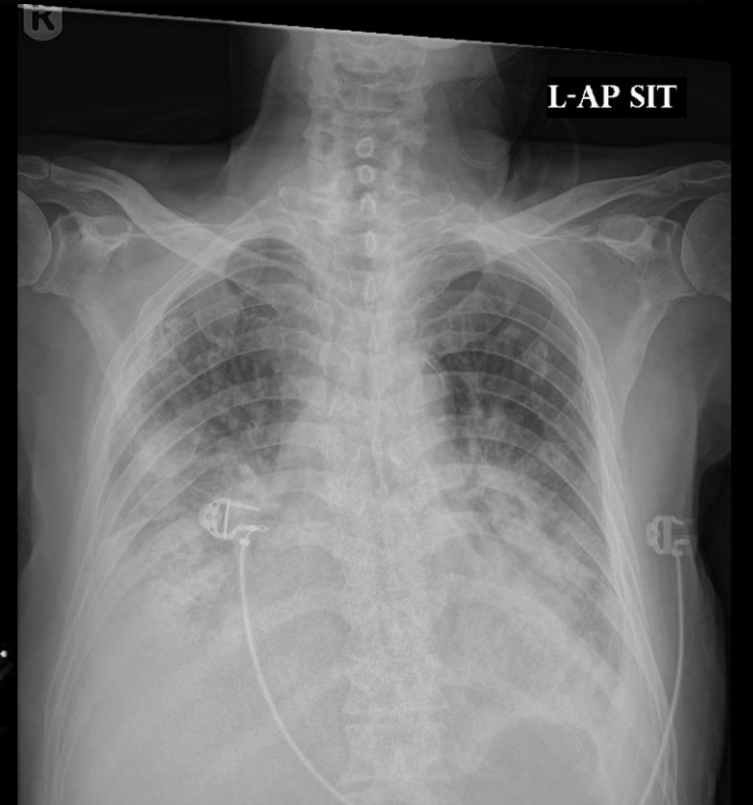
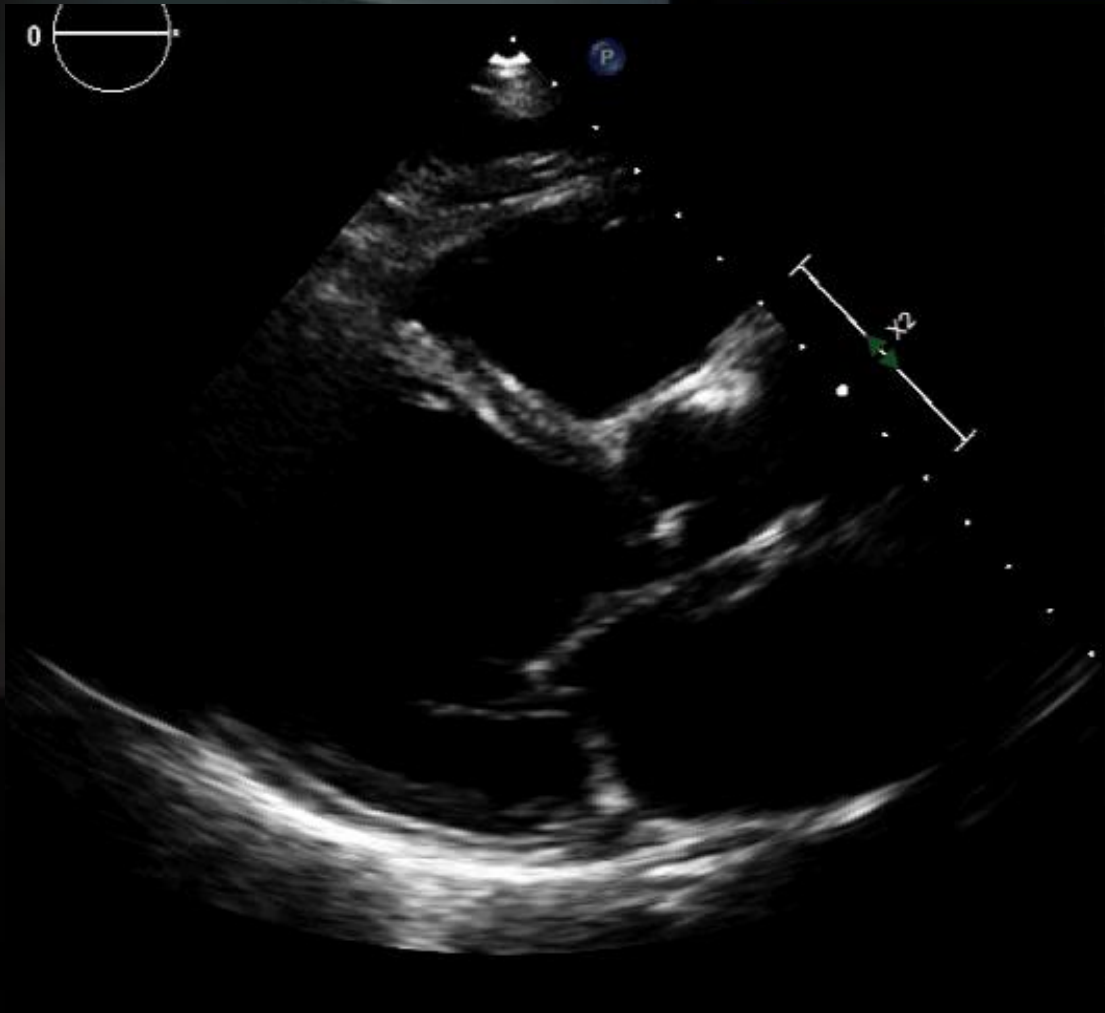


(Excel Trial subgroup analysis)

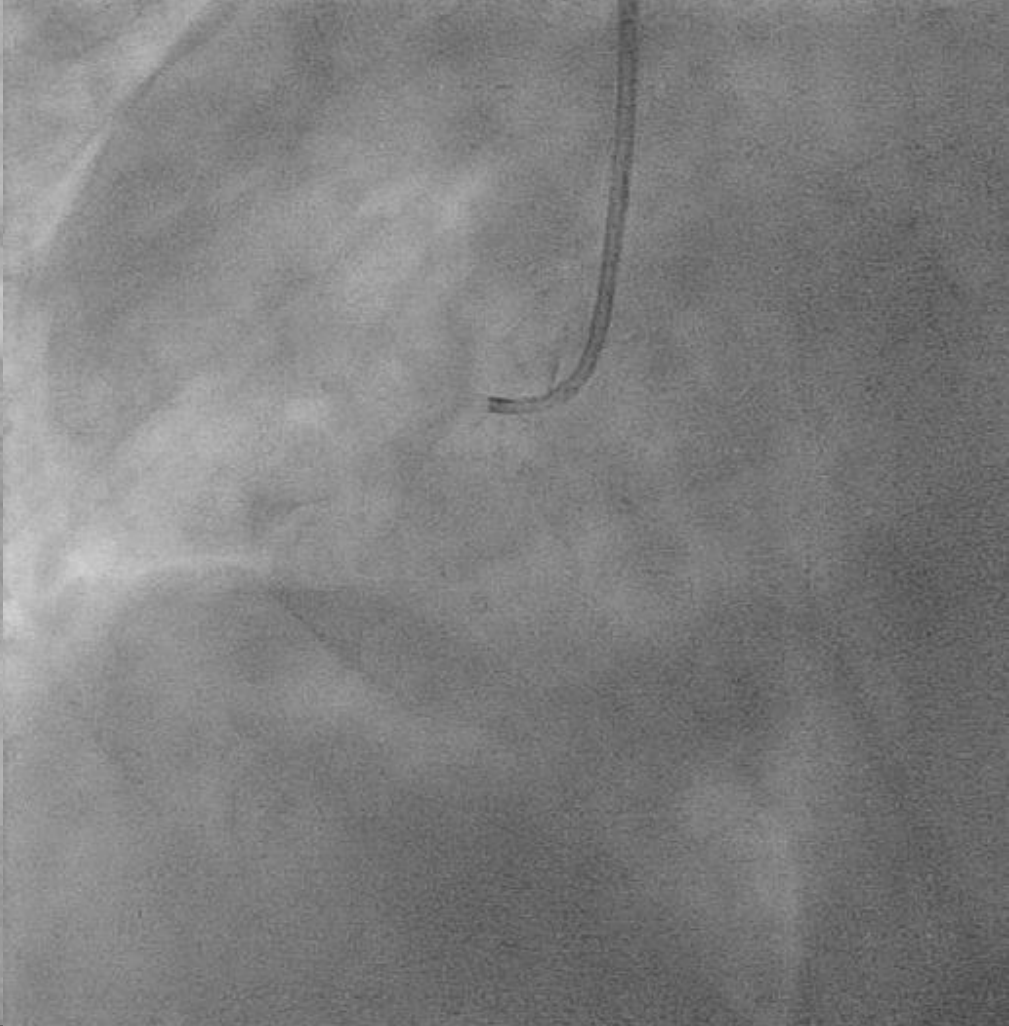
New battlefield in 2018:

Extremely complex LM/TVD → **Routine PCI**

**Isolated Severe Heart Failure type LM + TVD**  
M/83. DM. EF 16%. Recurrent AMI APO.

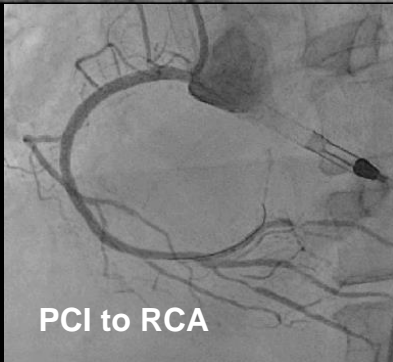
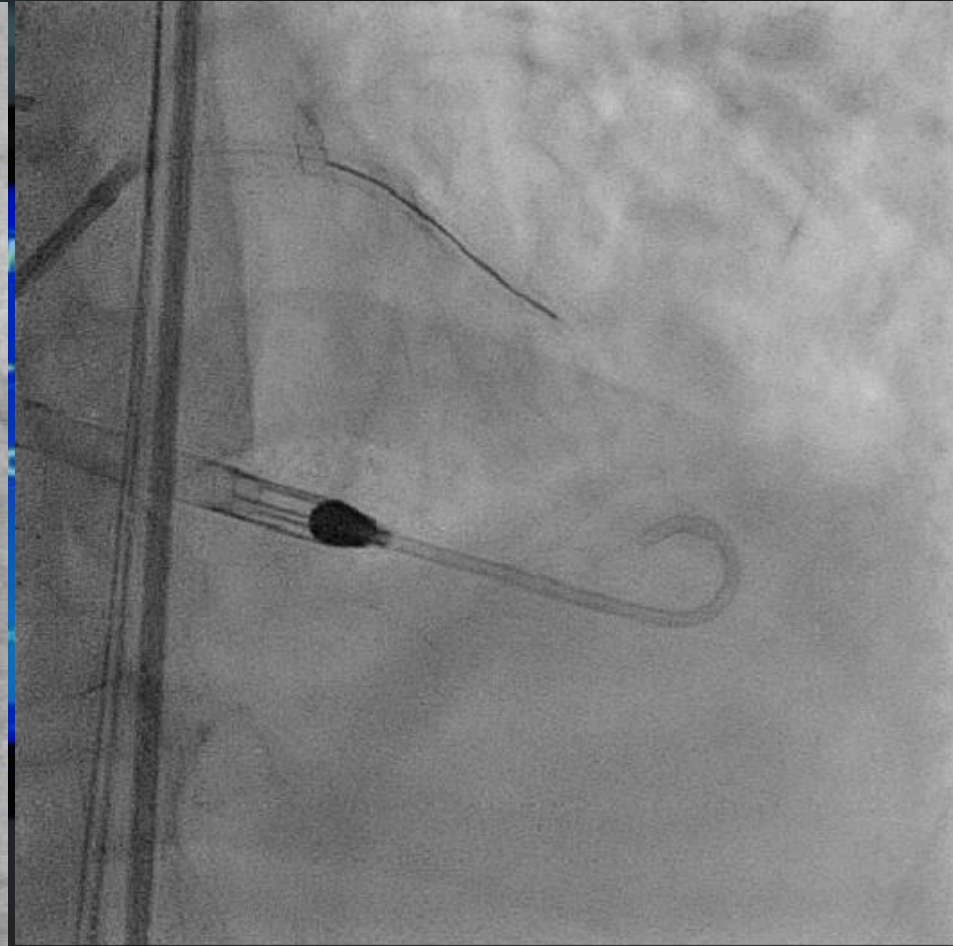
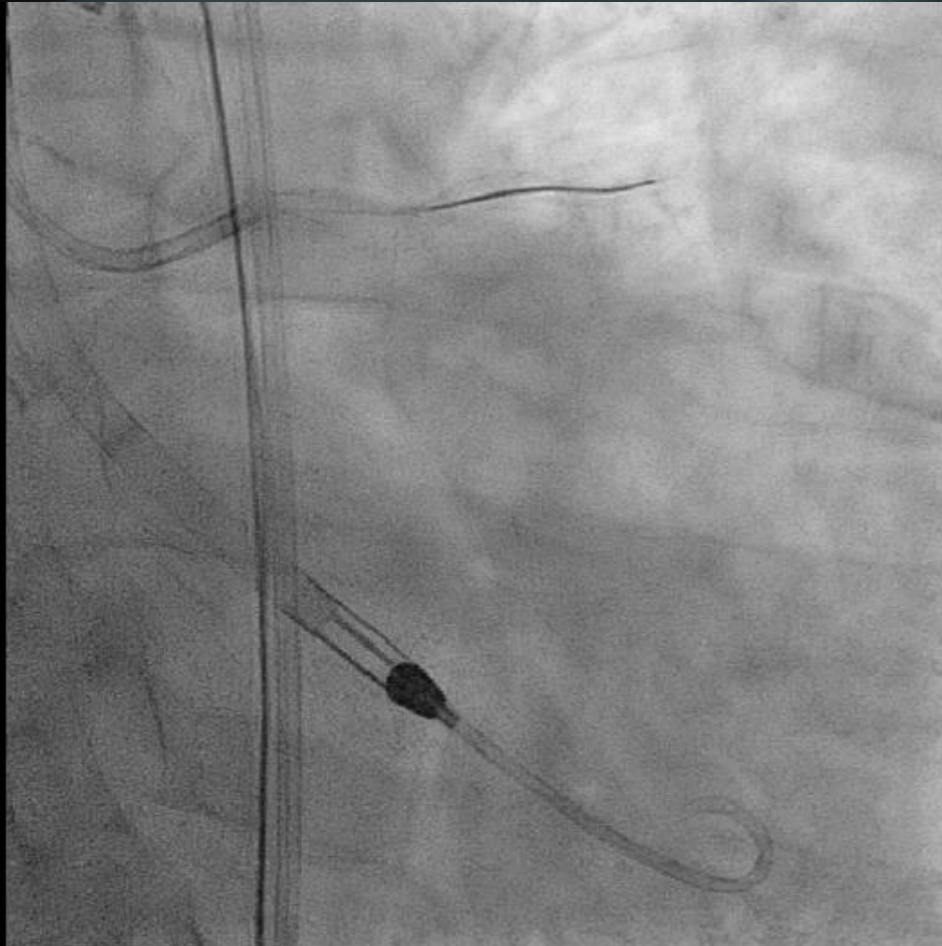


## Critical LM and TVD



**CABG declined by surgeon  
→ Impella supported PCI**

# Final coro



PCI to RCA



Transferred to CPRI bed in rehab block  
Good rehab progress  
EMS 5 MFAC 6 BI 98  
6 min walking 340m

# Multi-Organ Failure type LM and TVD

F/ 60s, DM on insulin

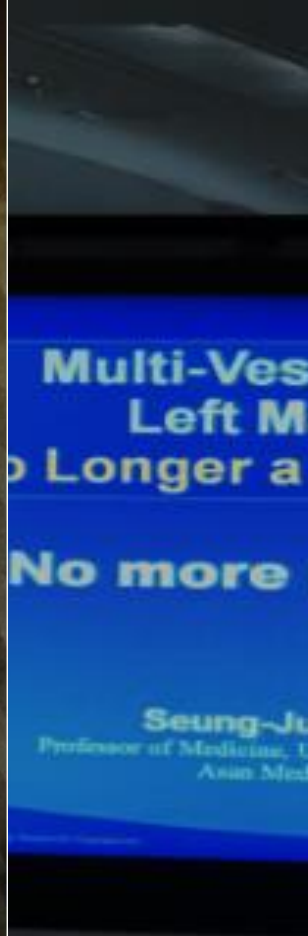
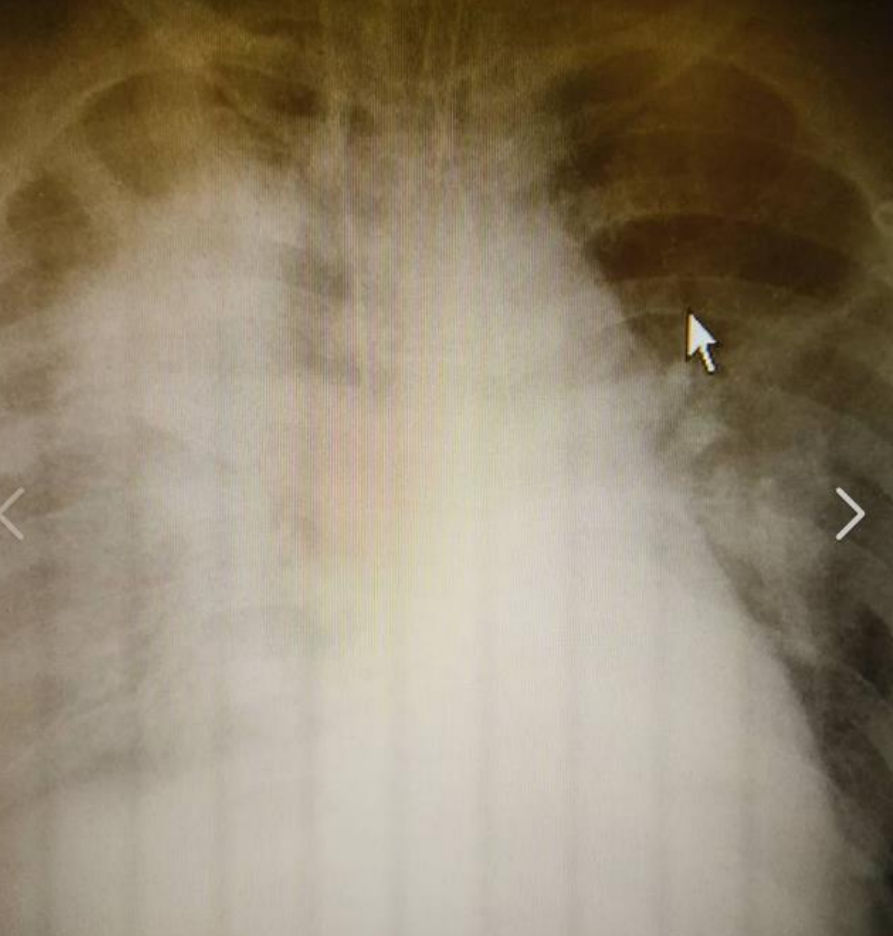
E admitted x aVR ST elevation MI

- Shock, APO
- delay presentation
- **arrest & CPR**



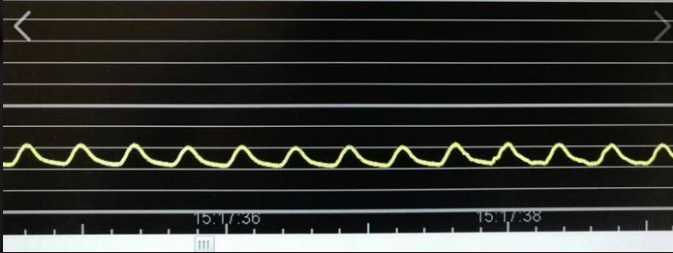
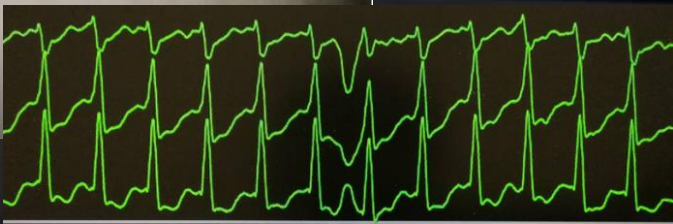
PLUS

**Flu B Pneumonia** with right lung white out  
Acute Renal Failure



TMH	TMH
30/01/18 18:22	30/01/18 18:22

Type, Specimen	Plasma	---
Sodium	126 ↓	---
Potassium	6.0 ↑	---
Chloride	95 ↓	---
Bicarbonate, Serum	14 ↓	---
Urea	11.1 ↑	---
Creatinine	217 ↑	---
Protein, Total	52 ↓	---
Albumin	21 ↓	---
Globulin	31	---
Bilirubin, Total	5	---
Alkaline Phosphatase, Total	48 ↓	---
Alanine Aminotransferase	48 ↑	---
Calcium	1.83 ↓	---
Calcium, Albumin Adjusted	2.17	---
Calcium, Ionized, Whole Blood	---	---
Phosphate	1.43	---
Amylase	198 ↑	---
Creatine Kinase	2308 ↑	---
Lactate Dehydrogenase	1157 ↑	---
Glucose, Random	---	23.9 ↑

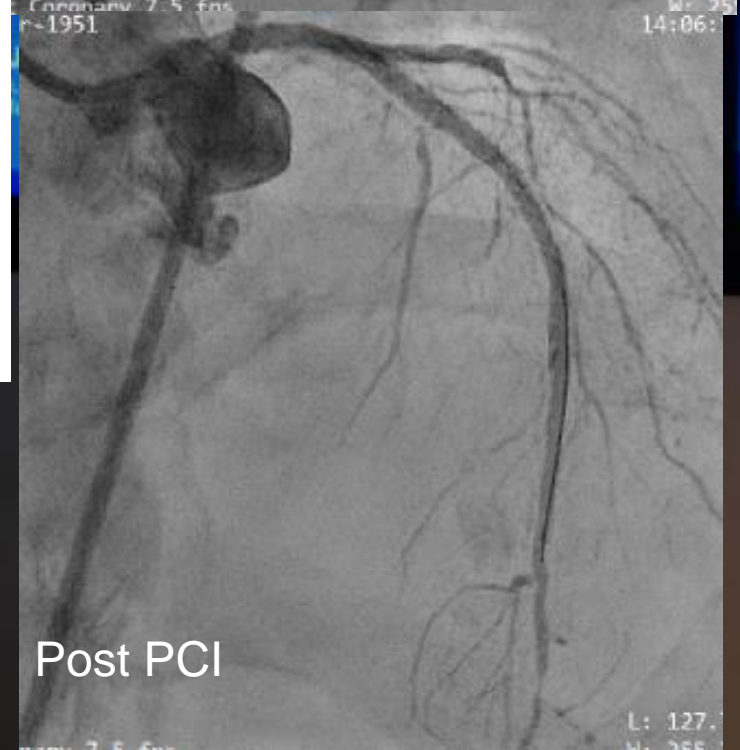
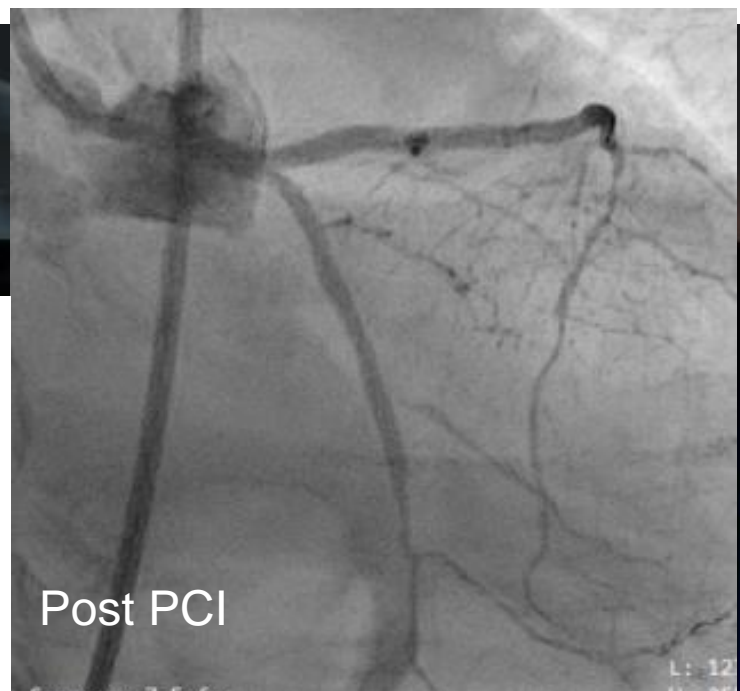


Post CPR :  
**BP 60mmHg** on  
 inotropes





**ECMO  
Supported  
PCI**





Discharged  
Walk unaided  
Class II symptoms

post PCU good recovery of cardiac function  
VA-ECMO off on 4/2/2018  
extubated to NC on 6/2/2018  
started carvedilol on 7/2/2018

given IV tazocin till 5/2/2018  
off R pigtail on 10/2/2018  
off Foley on 12/2/2018  
insulin titrated

PT: walk unaided with supervision x 2 ward round, acceptable stability for discharge



# Hospital Authority Convention 2018 2018 醫院管理局研討大會



**10x rise in AMI PCI**  
**Overall ~1% 30days mortality in 2017 & 2018**  
**Top 3 PCI Vol in Hong Kong**

TCT AP Best Case Award 5 years  
CCT Best Case Award  
ECC 3 Years  
CICF, CIS .....



# ACT PROGRAM

Asan Medical Center Interventional Cardiology Training Program

To network.....



Dr. Anshul K. Jain

## Program To learn

- Course: The Asan Medical Center Interventional Cardiology Training Program
- Place: Training Center (atrium), East Building 3 Floor, Asan Medical Center, Seoul, Korea
- Period: For 4 days
- Organizing Director: Dr. Seung-Jung Park

First Day (Mon)		
8:00 AM	Welcome Remarks & Orientation	Seung-Jung Park
8:10 AM	"Catheterization Laboratory Activities" Moderator: Duk-Woo Park (or Invited Faculty from Korea) Special Lecture on... Paradigm Shift to Functional Angioplasty : Angioplasty vs. FFR (Basic Concept)	Seung-Jung Park
12:30 PM	"Lunchtime Activities" Introduction of the CardioVascular Research Foundation (CVRF)	
"Featured Lectures"		
12:40 PM	Impact of Routine Use of FFR in Real Practice (AMC Registry Data)	Jung-Min Ahn
12:55 PM	What Are Really Matters in Bifurcation PCI (LM and Non-LM): Technique or Concept?	Duk-Woo Park
1:10 PM	Coffee Break	
1:30 PM	Hands-On Learning: IVUS, VH-IVUS & OCT Trainers: Do-Yoon Kang, MD, Soo-Jung Kim, RN, Min Suk Lee, RT	
3:00 PM	Adjourn	
Second Day (Tue)		
8:00 AM	"Catheterization Laboratory Activities" Moderator : Bon-Kwon Koo Special Lecture on... Integrated Use of FFR & IVUS: Left Main PCI	Seung-Jung Park
"Lunchtime Activities" TAVI Session		
12:00 PM	CT Measurement for Device Selection	Do-Yoon Kang
12:10 PM	How to Do TAVI: Tips & Tricks (SAPIEN 3 and Evolut R)	Jung-Min Ahn
12:20 PM	Current Status & Future Perspectives	Duk-Woo Park
12:30 PM	Nightmare Complications-Untangling the Knots! Moderator : Jung-Min Ahn	
"Featured Lectures"		
2:00 PM	Integrated Use of FFR & IVUS: Coronary Bifurcation PCI	Bon-Kwon Koo
2:15 PM	Integrated Use of FFR & IVUS: Long and Tandem Lesion PCI	Jung-Min Ahn
2:30 PM	Clinical Impact of Intravascular Imaging	Mineock Chang
2:45 PM	Management of ACS: What's Now & What's New	Cheol Whan Lee
3:00 PM	Adjourn	
Third Day (Wed)		
8:00 AM	"Catheterization Laboratory Activities" Moderator: Invited Faculty from Korea Special Lecture on... PCI vs. CABG (LM and 3 VD)	Seung-Jung Park
"Lunchtime Activities" Dynamic Roundtable Discussions		
12:00 PM	Antiplatelet Options for PCI Patients: Unresolved Issues and Solutions	Duk-Woo Park
12:20 PM	Case Review- Meet the Experts Moderator : Seung-Whan Lee	
"Featured Lectures"		
2:00 PM	Meet the Masters: CTO Lecture	Invited Faculty from Japan



Prof. SJ Park



Prof. Eric Ecckhout



Tuen Mun Hospital  
"Crazy" left main PCI



..... Many more from Asan Medical Center

# The 22<sup>nd</sup> Asan Medical Center Interventional Cardiology Training Program

August 2 (Mon.) ~ 5 (Thu.), 2010 / Asan Medical Center, Seoul, Korea

## ACT PROGRAM

Asan Medical Center Interventional Cardiology Training Program

ACT Program  
Asan Medical Center  
Interventional Cardiology  
Training Program  
Welcome!  
atrium  
(연수센터)  
3F  
Asan Medical Center  
Seoul, Korea  
ASAN  
Medical Center

No more routine CABG !

My Road from ACT to “crazy” PCI