

2018. 4. 20

FINAL PROGRAM

# 23<sup>rd</sup> CARDIOVASCULAR SUMMIT TCTAP2018

Inspire the Next Generation!

CTO Live

Coronary Intervention

Percutaneous Valve Therapeutics

Endovascular Intervention

**Save the Dates!**

**April 27 - 30, 2019**



Website  
QR Code



Webcast  
QR Code

CardioVascular Research Foundation (CVRF)

2F Asan Institute for Education & Research,  
88 Olympic-ro 43-gil, Songpa-gu, Seoul 05505, Korea



**April 28 – May 1**  
COEX, Seoul, Korea

# TCTAP2018

## in your *hands*

Browse the program and exhibit information  
Interact with experts  
plan your schedule  
Receive real time reminders and updates  
Check the daily news!



## TABLE OF CONTENTS

### MEETING INFORMATION

BOARD MEMBERS	6
COLLABORATIONS	8
ACKNOWLEDGEMENTS	11
MEETING AT A GLANCE	12
SPECIAL ACTIVITIES	16
GENERAL INFORMATION	17

### SCIENTIFIC PROGRAM

SATURDAY, APRIL 28	23
SUNDAY, APRIL 29	29
MONDAY, APRIL 30	53
TUESDAY, MAY 1	73

### SATELLITE SYMPOSIUM & LEARNING CENTER

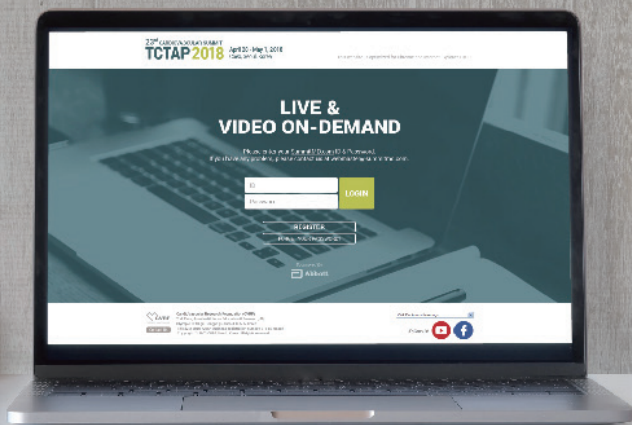
93

### EXHIBITION & MAP

107

# TCTAP2018 is *on Live*

[webcast.summitmd.com](http://webcast.summitmd.com)



## 23<sup>rd</sup> CARDIOVASCULAR SUMMIT **TCTAP2018**

Inspire the Next Generation!

CTO Live  
Coronary Intervention  
Percutaneous Valve Therapeutics  
Endovascular Intervention

## MEETING INFORMATION

BOARD MEMBERS	6
COLLABORATIONS	8
ACKNOWLEDGEMENTS	11
MEETING AT A GLANCE	12
SPECIAL ACTIVITIES	16
GENERAL INFORMATION	17

## BOARD MEMBERS

6

### Course Directors



Seung-Jung Park, MD  
Myeong-Ki Hong, MD  
Bon-Kwon Koo, MD  
Seung-Whan Lee, MD  
Duk-Woo Park, MD

Martin Bert Leon, MD  
Gregg W. Stone, MD  
Gary S. Mintz, MD  
Alan C. Yeung, MD

### Course Co-Directors



Takashi Akasaka, MD  
Ajay J. Kirtane, MD  
John Robert Laird, Jr., MD  
Nico Pijls, MD  
Donghoon Choi, MD

William F. Fearon, MD  
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Toshiya Muramatsu, MD  
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George D. Dangas, MD  
William A. Gray, MD  
Paul Hsien-Li Kao, MD  
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Jin-Man Cho, MD  
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Xinyang Hu, MD  
Dimitrios Karpaliotis, MD  
Satoru Otsuji, MD  
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Wasan Udayachalerm, MD  
Chiung-Jen Wu, MD  
Robaayah Zambahari, MD  
Jang-Ho Bae, MD  
Seung Hyuk Choi, MD  
Suk Jung Choo, MD  
Young Joon Hong, MD  
Woong Chol Kang, MD



MEETING INFORMATION | 7

Byeong-Keuk Kim, MD  
June Hong Kim, MD  
Gi-Young Ko, MD  
Cheol Whan Lee, MD  
Jae-Hwan Lee, MD

Ho Jung Kim, RT  
Jung-Sun Kim, MD  
Tae Won Kwon, MD  
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Live Centers & Operators

TCTAP 2018 will be streamed live from world-renowned international medical centers.  
Discover the distinguished line-up of live Centers and operators.

International

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St. Paul Hospital, Vancouver, Canada

Anson Cheung, MD | David Wood, MD | Robert Boone, MD

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Asan Medical Center, Seoul, Korea

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Duk-Woo Park, MD | Gyung-Min Park, MD | Seung-Jung Park, MD | Jon Suh, MD | Hyuck Jun Yoon, MD  
Hiroshi Ando, MD | Yasushi Asakura, MD | Vinayak Bapat, MD | Robert Bersin, MD  
David J. Cohen, MD | Lawrence A. Garcia, MD | Kentaro Hayashida, MD | Thierry Lefevre, MD  
Raj Makkar, MD | Toshiya Muramatsu, MD | Alan C. Yeung, MD

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Yongcheol Kim, MD | Doo Sun Sim, MD

Severance Hospital, Seoul, Korea

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Jong-Pil Park, MD | Jong-Seon Park, MD

Daily Newspaper Guest Editor

Hyeon Jin Lee, RN | Min Suk Lee, RT

Associations and Affiliations

- Alliance for Revolution and Interventional Cardiology Advancement
  - American College of Cardiology
  - Annual Australia & New Zealand Endovascular Therapies Meeting
  - Annual Live Demonstration in Kokura
  - Annual Meeting of the Asian Society for Cardiovascular and Thoracic Surgery
  - Annual Meeting of the Japanese Association of Cardiovascular Intervention and Therapeutics
  - Annual Meeting of the Japanese Coronary Association
  - Annual Scientific Congress
  - Annual Scientific Meeting of Indonesian Heart Association
  - Annual Scientific Meeting of NHAM
  - Annual Scientific Meeting of the Japanese Circulation Society
  - Annual Scientific Session of Japanese College of Cardiology
  - Asia Pacific Congenital & Structural Heart Intervention Symposium
  - Asia Pacific Society of Cardiology Congress
  - Asia Pacific Society of Interventional Cardiology
  - Asia Pacific Vascular Interventional Course
  - Asian Interventional Cardiovascular Therapeutics
  - Bangla Interventional Therapeutic
  - Cardiological Society of India
  - CardioRhythm
  - Cardiovascular Interventional Association of Thailand
  - Cardiovascular Interventional Summit HongKong
  - Cardiovascular Research Technologies
  - China Interventional Therapeutics in Partnership with TCT
  - Chronic Total Occlusion Summit
  - Chugoku Shikoku Live Demonstration Course in Kurashiki
  - Complex Cardiovascular Therapeutics
  - Congenital & Structural Interventions & Imaging in Cardiovascular Interventions
  - Fuctional Revascularlization Encouraged by optimal Diagnostic Strategy Live
- Great Wall International Congress of Cardiology
  - Heart Institute of Asan Medical Center
  - Hong Kong Society of Transcatheter Endocardiovasuclar Therapeutics
  - IndiaLive
  - Indonesian Society of Interventional Cardiology Annual Meeting
  - Japan Endovascular Treatment Conference
  - Japanese Association of Cardiovascular Intervention and Therapeutics
  - Joint Interventional Meeting
  - Joint meeting of Coronary Revascularization
  - Kamakura Live Demonstration Course
  - Kinki Cardiovascular Joint Live
  - Korean Association of Cardiovascular and Pulmonary Rehabilitation
  - Korean Cardiovascular Nurses Association
  - Korean Cardiovascular Technology Association
  - Korean Pediatric Heart Association
  - Korean Society of Cardiology
  - Korean Society of Cardiovascular Imaging
  - Korean Society of Interventional Cardiology
  - Left Main&Coronary Bifurcation Summit
  - Malaysian LIVE Meeting
  - Paris Course on Revascularization
  - Qianjiang International Cardiovascular Congress
  - Sapporo Live Demonstration Congress
  - Taiwan Transcatheter Therapeutics Live Course
  - TCT Russia
  - The Heart & Brain Symposium
  - Tokyo Percutaneous cardiovascular Intervention Conference
  - Toyohashi Live Demonstration Course
  - Transcatheter Cardiovascular Therapeutics
  - Transcatheter Endocardiovascular Intervention Conference
  - Transcatheter Valve Therapies
  - Vascular InterVention Advances
  - Vietnam National Congress of Cardiology

CardioVascular Reseach Foundation

Kyung-Ae Kim  
*Executive Director*

Convention Div.

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*Director / Exhibition, Industry Relations*

Emilie Cho  
*Manager / Faculty Management, Case Submission*

Sohee Park  
*Manager / Marketing*

Hee Won Kim  
*Manager / Faculty Management, Live Transmission*

Yoonjoo Bae  
*Assistant Manager / Marketing*

Training Div.

Hyerim Yun  
*ACT & Fellowship Program, Stellite Symposium*

Administrative, Accounting & Fundraising Div.

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*Director*

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*Manager / Meeting Registration*

Jieun Kang  
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 Gold	CHONG KUN DANG	CJ HealthCare
	Edwards Lifesciences Korea Co., Ltd.	MSD KOREA
	Pfizer Pharmaceutical Korea Ltd.	Terumo Korea Corporation
 Silver	Bayer Korea	MicroPort Scientific Corporation
	NOVARTIS Korea	Sanofi-Aventis

MEETING AT A GLANCE

28 Saturday	Room 104  Level 1	Room 105  Level 1
07:00		
07:30		
08:00		
08:30		
09:00		
09:30		
10:00		
10:30		
11:00		
11:30		
12:00	<div>TCTAP workshop</div> <div>• Imaging &amp; Physiology</div> <div>• CTO</div>	
12:30		
13:00		
13:30	<div>Partnership Session</div> <div>• HKSTENT</div> <div>• TTT</div> <div>• CCT</div> <div>• 3 Countries Joint Session (ISICAM, MY LIVE &amp; CIAT)</div>	
14:00		
14:30		
15:00		
15:30		
16:00		
16:30		
17:00		
17:30		
18:00		
18:30		
19:00		
19:30		
20:00		

29 Sunday	Endovascular Theater  Level 1	CTO Theater  Level 1	Room 104  Level 1	Room 105  Level 1	Other Session Room	Poster Zone  Level 1	Abstract Zone I, II  Level 1	Case Zone I, II, III  Level 1
07:00	<div>Satellite Symposia</div> <div>- Morning Roundtable Forum</div> <div></div>							
07:30								
08:00								
08:30	<div>Endovascular Symposium</div> <div></div>	<div>Master the CTO</div> <div></div>	<div>TCTAP workshop</div> <div>• LM &amp; Bifurcation</div>			<div>Moderated E-Poster Abstract Competition</div>		
09:00								
09:30								
10:00								
10:30								
11:00								
11:30								
12:00								
12:30	<div>Satellite Symposia</div> <div>- Lunchtime Activities</div> <div></div>							
13:00								
13:30								
14:00	<div>Endovascular Symposium</div> <div></div>	<div>Master the CTO</div> <div></div>	<div>TCTAP workshop</div> <div>• Imaging &amp; Physiology</div>	<div>Partnership Session</div> <div>• CIT</div>				
14:30								
15:00								
15:30								
16:00								
16:30								
17:00								
17:30								
18:00								
18:30								
19:00								
19:30								
20:00								

# MEETING AT A GLANCE

30 Monday	Main Arena Level 3	Valve Theater Level 1	Coronary Theater Level 1	Room 104 Level 1	Other Session Room	Room 202 Level 2	Abstract Zone I, II Level 1	Case Zone I, II, III Level 1
07:00		Satellite Symposia - Morning Roundtable Forum						
07:30								
08:00								
08:30	Live Case Session							
09:00								
09:30	Opening & Keynote Lecture							
10:00	Master Award							
10:30		Endovascular Symposium	TCT @ TCTAP					
11:00								
11:30								
12:00					CE Program For Nurses *Korean Session			
12:30								
13:00		Satellite Symposia - Lunchtime Activities						
13:30								
14:00								
14:30								
15:00								
15:30	Heart Keeper *Korean Session	Valve Symposium	Coronary Symposium	Late- Breaking Research from AMC & Spotlight Major Clinical Trials with Expert's Opinion / TCTAP Best Young Scientist Award			Moderated Abstract Competition	Moderated Complex Case Competition
16:00								
16:30								
17:00								
17:30								
18:00								
18:30								
19:00								
19:30								
20:00								

1 Tuesday	Coronary Theater Level 1	Valve Theater Level 1	Room 104 Level 1	Room 105 Level 1	Other Session Room	Abstract Zone I, II Level 1	Case Zone I, II, III Level 1
07:00	Satellite Symposia - Morning Roundtable Forum						
07:30							
08:00							
08:30							
09:00							
09:30							
10:00	Coronary Symposium	Valve Symposium	Complex Intervention • PCI • AV • MV, TV and HF			Moderated Abstract Competition	Moderated Complex Case Competition
10:30							
11:00							
11:30							
12:00							
12:30							
13:00		Satellite Symposia - Lunchtime Activities					
13:30							
14:00							
14:30	21 <sup>st</sup> KCTA Symposium						
15:00							
15:30			Challenging Case Competition with Experts' Review I	Challenging Case Competition with Experts' Review II			
16:00							
16:30	CE Program For Technologists *Korean Session						
17:00							
17:30							
18:00							
18:30							
19:00							
19:30							
20:00							

# SPECIAL ACTIVITIES

16

## TCTAP Wrap-up Interviews

Interview Studio, Level 3

	Time	Topics	Moderators	Interviewees
Sunday, April 29	11:30 AM ~ 12:00 PM	Left Main & Non-Left Main Bifurcation PCI: Technique or Concept	Thierry Lefevre	David E. Kandzari Yves R. Louvard Duk-Woo Park
	2:00 PM ~ 2:30 PM	DES & New BRS	Patrick W. Serruys	Takeshi Kimura Chuck Simonton
	4:00 PM ~ 4:30 PM	Role of Coronary Imaging	Gary S. Mintz	Takashi Akasaka Akiko Maehara Evelyn Regar
Monday, April 30	8:40 AM ~ 9:10 AM	CTO: To Open or Not to Open	Gerald Werner	Paul Hsien-Li Kao Seung-Whan Lee Kambis Mashayekhi
	9:30 AM ~ 10:00 AM	TAVR: Current Status and Future Perspectives	Eberhard Grube	Vinayak Bapat Raj Makkar John Graydon Webb
	10:30 AM ~ 11:00 AM	Non-vitamin K antagonist Oral Anticoagulants(NOACs) in Atherosclerotic Cardiovascular Disease	David J. Cohen	Dominick J. Angiolillo Tullio Palmerini
	2:30 PM ~ 3:00 PM	PCI vs. CABG in Left Main and MVD	Patrick W. Serruys	Gregg W. Stone Marie-Claude Morice Seung-Jung Park Gregg W. Stone

### The Award "Master of the Masters"

10:00 AM, Monday, April 30  
Main Arena, Level 3

This honorary award will be presented in the Main Arena, Level 3 on the 3<sup>rd</sup> day of meeting to the remarkable master who contributes to the advancement of interventional cardiology as well as in the TCTAP meeting over the last years.

### TCTAP Award "Best Young Scientist Award"

5:51 PM, Monday, April 30, 2018  
Room 104, Level 1

The 6<sup>th</sup> Best Young Scientist Award will be presented to encourage the winner's academic clinical work experience, efforts and participation to TCTAP.

# GENERAL INFORMATION

MEETING INFORMATION | 17

## ACT Tour (2 Hours)

(Asan Medical Center Interventional Cardiology Training Program)

- On-site registration & Pick-up Place: ACT Banner next to CVRF Booth, Grand Ballroom Lobby, Level 1

Date	Departure Time
Monday, April 30	10:00 AM
	4:00 PM

## App

Bring the entire TCTAP2018 to your fingertips!



## Book Booth

- Booth no. B31, Exhibition (B2) Hall, Level 1

## Certificate of Attendance

Certificate of Attendance for TCTAP2018 will be distributed along with the badge.

## Coffee and Tea

During the coffee breaks, coffee and tea will be served to the registered participants at session rooms of level 1 and exhibition (B2) hall, only wearing their badge.

## CVRF (Organizing Secretariat)

- CVRF Booth, Grand Ballroom Lobby, Level 1

Date	Opening Hours
Saturday, April 28	10:00 AM ~ 5:20 PM
Sunday, April 29 ~ Tuesday, May 1	6:00 AM ~ 6:10 PM

## Cyber Station / Free Mobile Recharge

- CVRF Booth, Grand Ballroom Lobby, Level 1
- Registration Lounge, Exhibition (B2) Hall Lobby, Level 1

## Daily Newspaper

Each daily news edition will be distributed in the morning at the pick-up desk located right besides escalators, Level 1 and also available through TCTAP2018 Mobile App.


# Visit! 5 Exhibition Booths

# Get! 5 Logos

- Running Hours: 9:00 AM ~ 3:00 PM  
- Event paper will be provided at the registration booth and Lucky Draw Box will be located in front of Event Screen (Exhibition Hall, Level 1)  
- Winner announcement: Every 3:30 PM, during the Exhibition



**You are the next**



**History**

Find out who is the part of the TCTAP and have special moment with us

Take a picture and be recorded in TCTAP's history

Grab this chance to part of TCTAP and get a special gift!


**Traditional Culture Experience**

Seoul Promotional Booth, Level 1, Grand Ballroom Lobby

- Operated by Seoul Metropolitan Government
- Opening Date: April 28 – May 1
- Opening Hours
  - April 28: 10:00 AM – 12:00 PM / 01:00 PM – 05:10 PM
  - April 29 – May 1: 9:00 AM – 12:00 PM / 01:00 PM – 06:00 PM

Experience Hanbok (traditional Korean attire) and enjoy traditional Korean Culture!

Take a picture dressed as a traditional King and Queen of Korea



Exhibition

- Exhibition (B2) Hall, Level 1

Date	Opening Hours
Sunday, April 29 ~ Tuesday, May 1	9:00 AM ~ 6:00 PM

Faculty Lounge

- Invited Faculty Lounge: Room 203, Level 2

Faculty of the Year Lounge: Exhibition (B2) Hall Lobby, Level 1

Date	Opening Hours
Saturday, April 28	10:00 AM ~ 5:20 PM
Sunday, April 29 ~ Tuesday, May 1	6:00 AM ~ 6:10 PM

※ Badges will be checked at the gate.

Future Meeting Desk

- Exhibition (B2) Hall Lobby, Level 1

Happy Hour

- Lounge, Exhibition (B2) Hall, Level 1

Snacks are provided during the running hours.

Date	Running Hours
Sunday, April 29	11:00 AM, 3:00 PM
Monday, April 30	3:00 PM
Tuesday, May 1	10:00 AM

Information Desk

- CVRF Booth, Grand Ballroom Lobby, Level 1
- Registration Booth, Exhibition (B2) Hall Lobby, Level 1

If you have any problems or queries, please visit the information desk.

Learning Center

Exhibition (B2) Hall, Level 1

Meal

All satellite symposia provide meals to attendees. Please ensure that you wear your badge at all times.

Parking Ticket

- Registration Booth, Exhibition (B2) Hall Lobby, Level 1

"Free Parking tickets are provided in a limited quantity on a first-come-first-served basis. After free parking tickets are exhausted, participants can purchase one-day parking permit at 50% discounted rate."

Prayer Room

- Room 204, Level 2

Date	Opening Hours
Saturday, April 28	10:00 AM ~ 5:20 PM
Sunday, April 29 ~ Tuesday, May 1	7:00 AM ~ 6:10 PM

Preview Room

- Room 209, Level 2

All speakers should come at least 2 hours before presentation to upload and review their slides.

Date	Opening Hours
Saturday, April 28	10:00 AM ~ 5:20 PM
Sunday, April 29 ~ Tuesday, May 1	6:00 AM ~ 6:10 PM

Public Lounge

- CVRF Booth, Grand Ballroom Lobby, Level 1
- Lounge, Exhibition (B2) Hall, Level 1
- Lounge next to Registration Booth, Exhibition (B2) Hall Lobby, Level 1
- Lounge, Main Arena (Auditorium) Lobby, Level 3

Registration / Lost and Found / Coat Room

- Registration Booth, Exhibition (B2) Hall Lobby, Level 1

Date	Opening Hours
Saturday, April 28	10:00 AM ~ 5:20 PM
Sunday, April 29 ~ Tuesday, May 1	6:00 AM ~ 6:10 PM

Shuttle Bus

Free shuttle bus will be provided between COEX and several venue hotels. Visit the CVRF Booth for more information.

Sponsored By



Tour Information

- Grand Ballroom Lobby, Level 1

Tour information will be provided by COSMO JIN Tour and Seoul Metropolitan Government.

GENERAL INFORMATION

Visit Korea App – Brand new Visit Korea App has been released

Visit Korea provides extensive information on attractions, restaurants, accommodations, shopping, transportation, and the latest travel-related news to users.



1330 Korea Travel Hotline & Complaint Center



1330 Korea Travel Hotline, operated by Korea Tourism Organization (KTO), is a one-stop helpline available as a public service for local and international travelers. For any inquiries or complaints relating to Korean tourism, either beforehand or during your stay in Korea, you can seek assistance here as well.

Wi-Fi Zone

Free Wi-Fi is available in designated areas as following.

	Endovascular & Valve Theater
	CTO & Coronary Theater
	Room 104
	Room 105
Level 1	Grand Ballroom Lobby
	CVRF Booth
	Exhibition (B2) Hall
	Faculty of the Year Lounge
	Registration Booth
Level 2	Invited Faculty Lounge
	Preview Room

IN THESE NUMBERS...



IS SAFETY FOR CHALLENGING PATIENTS...



THIS IS MORE SAFETY

rent of the stent in the left main coronary artery has the potential to compromise blood flow to the distal anatomy.  
implants number is based on data of DES implants through Q1 2017. Data on file at Abbott.  
1. S. et al. PERCUTANEOUS CORONARY INTERVENTION (PCI) Catheterization. 2006; doi:10.1016/j.jacc.2006.10.017.  
2. NCDI Trial Year 4 data, TCT 2008.  
3. et al. EXCEL Trial. N Engl J Med. 2016;375:2213-2235. doi:10.1056/NEJMoa1602227.  
4. et al. XIENA Trial. JACC. 2014;63:1171-1175.  
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# SYNERGY™

Everolimus-Eluting Platinum Chromium Coronary Stent System

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# HEAL

## WITH CONFIDENCE

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KR-PSST-2018-016

23<sup>rd</sup> CARDIOVASCULAR SUMMIT  
**TCTAP2018**

Inspire the Next Generation!

CTO Live  
Coronary Intervention  
Percutaneous Valve Therapeutics  
Endovascular Intervention

## SCIENTIFIC PROGRAM

SATURDAY, APRIL 28

SCIENTIFIC PROGRAM  
SATURDAY, APRIL 28

## Imaging & Physiology

Room 104, Level 1

12:00 PM ~ 2:00 PM

**Moderators** Myeong-Ki Hong, Ik-Kyung Jang, Gary S. Mintz  
**Panelists** Jung-Min Ahn, Yun-Dai Chen, Javier Escaned, Nils Johnson, Bon-Kwon Koo, Takashi Kubo, Akiko Maehara, Evelyn Regar

### Coronary Imaging

- 12:00 PM Can OCT Reduce the Duration of DAPT After Second-generation DES?  
*Myeong-Ki Hong*
- 12:08 PM Plaque Erosion and Lipid Rich Plaque  
*Ik-Kyung Jang*
- 12:16 PM Intravascular Imaging of Coronary Calcification and Its Clinical Implications  
*Gary S. Mintz*
- 12:24 PM Prognosis of "Yellow" Plaque In NIRS  
*Akiko Maehara*
- 12:32 PM Evolution of Multi-modal Intracoronary Plaque Imaging  
*Evelyn Regar*
- 12:40 PM OCT vs. IVUS for Guiding PCI: OPINION Trial and Updated Meta-analysis  
*Takashi Kubo*
- 12:48 PM Interactive Discussion with Audience Q&A

## Coronary Physiology

- 1:00 PM How to Make Optimal Resting and Hyperemic Status for Coronary Physiologic Assessment  
*Bon-Kwon Koo*
- 1:08 PM Five-Year Outcomes of Routine FFR Use in Clinical Practice: Data from ASAN PCI Registry  
*Jung-Min Ahn*
- 1:16 PM iFR in ACS  
*Nils Johnson*
- 1:24 PM Comprehensive Physiologic Assessment Using Pressure and Flow Index  
*Javier Escaned*
- 1:32 PM Functional Lesion Assessment in Multivessel CAD and FAME 3  
*Chang-Wook Nam*
- 1:40 PM Microvascular Dysfunction: Evaluation and Its Clinical Implication  
*Joo Myung Lee*
- 1:48 PM Interactive Discussion with Audience Q&A

## CTO

Room 105, Level 1

12:00 PM ~ 2:00 PM

**Moderators** Seung-Whan Lee, Satoru Otsuji  
**Panelists** Yasushi Asakura, Maoto Habara, Yasumi Igarashi, Jacques J. Koolen, Jong-Young Lee, Nae Hee Lee, Kenya Nasu, Cheol Woong Yu

### Scoring System: Informative or Just for Writing?

- 12:00 PM J CTO Score: Old-fashioned vs. Endless Updated Value  
*Kenya Nasu*
- 12:10 PM Korean CTO Score: New Scoring, What and Why?  
*Cheol Woong Yu*
- 12:20 PM Pitfall of J CTO Score: Same Score, Different Strategy  
*Satoru Otsuji*
- 12:30 PM Interactive Discussion with Audience Q&A

### Featured Lectures with Master's Case Presentation

- 12:40 PM Retrograde Five Key Tips  
*Yasumi Igarashi*
- 12:50 PM Antegrade Wire Escalation for Drilling  
*Seung-Whan Lee*
- 1:00 PM Antegrade Dissection and Re-entry in Japan  
*Maoto Habara*
- 1:10 PM Parallel Wire Techniques  
*Jong-Young Lee*
- 1:20 PM IVUS Guided Wiring in CTO PCI  
*Yasushi Asakura*
- 1:30 PM CTO-PCI Stenting: Lesson from Natural Change of Distal Bed in CTO  
*Osung Kwon*
- 1:40 PM Interactive Discussion with Audience Q&A

## HKSTENT @ TCTAP 2018

Room 104, Level 1

2:00 PM ~ 3:30 PM

### Part I - CTO in 2018

- Moderators** Michael Kang-Yin Lee, Sunao Nakamura, Li Wah Tam  
**Discussants** Alan Chan, Ping Tim Tsui, Bin Zhang
- 2:00 PM Opening Remark  
*Li Wah Tam*
  - 2:02 PM [Antegrade Approach] Antegrade Wiring, the Latest Approaches  
*Gerald Werner*
  - 2:12 PM [Antegrade Approach] My Most Challenge Antegrade Case in 2017  
*Nae Hee Lee*
  - 2:22 PM [Antegrade Approach] Discussion
  - 2:30 PM [Retrograde Approach] Retrograde Challenges in 2018  
*Sunao Nakamura*
  - 2:40 PM [Retrograde Approach] My Most Challenge Retrograde Case in 2017  
*Alan Chan*
  - 2:50 PM [Retrograde Approach] Discussion

### Part II - CICF 2018 Highlights

- Moderators** Michael Kang-Yin Lee, Sunao Nakamura, Li Wah Tam  
**Discussants** Paul TL Chiam, Kin Lam Tsui, Hongbing Yan
- 2:58 PM A Complicated Coronary Case  
*Kevin Kwok*
  - 3:08 PM A Complicated Structural /TAVI Case  
*Michael Chiang*
  - 3:18 PM A Complicated Coronary/ CTO Case  
*Ivan Tsang*
  - 3:28 PM Closing Remark  
*Alan Chan*

## TTT @ TCTAP 2018

Co-organized by Taiwan Transcatheter Therapeutics

Room 104, Level 1

3:30 PM ~ 5:00 PM

## TAVR: How Should I Treat?

Moderators I-Chang Hsieh, Wen-Liang Lee, Seung-Jung Park, Jian (James) Ye, Wei-Hsien Yin

Panelists Chi-Jen Chang, Cheng-An Chiu, Hyo-Soo Kim, Mao-Shin Lin

3:30 PM Opening

Wei-Hsien Yin

## Case #1: When Severe Left Main Artery Disease Met Severe Aortic Stenosis

3:33 PM Part 1. How Should I Treat?

Mao-Shin Lin

3:36 PM Part 2. How Would I Treat?

Jian (James) Ye

3:40 PM Part 3. How Did I Treat?

Mao-Shin Lin

3:43 PM Part 4. Discussion

## Case #2: Transcatheter Aortic Valve Implantation in a Patient with Type B Aortic Dissection

3:48 PM Part 1. How Should I Treat?

Hsin-Bang Leu

3:51 PM Part 2. How Would I Treat?

Jung-Min Ahn

3:55 PM Part 3. How Did I Treat?

Hsin-Bang Leu

3:58 PM Part 4. Discussion

## Case #3: TAVR in a Patient of Failing Aortic Prosthetic Valve with AR and Paravalvular Leak

4:03 PM Part 1. How Should I Treat?

Tien-Ping Tsao

4:06 PM Part 2. How Would I Treat?

Paul TL Chiam

4:10 PM Part 3. How Did I Treat?

Tien-Ping Tsao

4:13 PM Part 4. Discussion

4:18 PM Closing  
Seung-Jung Park

## EVT Interesting Cases

Moderators Chun-Chi Chen, Chung-Ho Hsu, Seung-Whan Lee, Tzung-Dau Wang

4:21 PM Case # 1: Acute Limb Case Sharing: Fight Without Weapon

Huai-Wen Liang

4:31 PM Discussion

4:34 PM Case #2: Hybrid Treatment with Surgery and EVT for Acute Compartment Syndrome Induced by Severe DVT

Nai-Yu Chi

4:44 PM Discussion

4:47 PM Case #3: Pan-pelvic Endovascular Intervention for Erectile Dysfunction and Lower Urinary Tract Symptoms: A Case Demonstration

Tzung-Dau Wang

4:57 PM Discussion

## CCT @ TCTAP 2018

Co-organized by CCT

Room 105, Level 1

2:00 PM ~ 3:30 PM

## Part 1

Chairs Yasushi Asakura, Eisho Kyo, Seung-Whan Lee

Discussants Kazuhiro Ashida, Atsushi Hirohata, Byeong-Keuk Kim, Jong-Young Lee, Shigeru Nakamura, Yoichi Nozaki, Gyeong-Min Park

2:00 PM The Importance of CTO PCI Algorithm

Takafumi Tsuji

2:15 PM Tips and Tricks of Parallel Wire and IVUS Guided PCI

Yuji Hamazaki

2:30 PM Tips and Tricks of Collateral Crossing and Lumen Connection

Yasumi Igarashi

## Part 2: Learning from Complex CTO Cases

Chairs Keiichi Igarashi Hanaoka, Nae Hee Lee, Satoru Otsuji

Discussants Ichiro Hamanaka, Hee-Yeol Kim, Tetsuo Matsubara, Hun Sik Park, Yoshinori Yasaka, Hyuck Jun Yoon

2:45 PM Case 1  
Yuji Oikawa3:00 PM Case 2  
Kenya Nasu3:15 PM Case 3  
Atsunori Okamura

## 3 Countries' Joint Session - ISICAM (Indonesia) &amp; Malaysia LIVE &amp; CIAT (Thailand) @ TCTAP 2018

Co-organized by ISICAM (Indonesia) &amp; Malaysia LIVE &amp; CIAT (Thailand)

Room 105, Level 1

3:30 PM ~ 5:20 PM

Chairs Rosli Mohd Ali, Teguh Santoso, Wasan Udayachalern

Panelists David E. Kandzari, Anek Kanoksilp, Duk-Woo Park, Sunarya Soerianata, Shaiful Azmi Yahaya

## The Best and Worst Cases from ASEAN

3:30 PM Welcome and Objectives

Rosli Mohd Ali

3:40 PM Best Case from Indonesia: PCI in Very High Risk ACS Patient Complicated with Cardiogenic Shock and Recurrent VT/VF

Sodiqur Rifqi

3:50 PM Discussion

3:55 PM Best Case from Thailand: AMI and the Resurrection

Sirichai Cheewatanakornkul

4:05 PM Discussion

4:10 PM Best Case from Malaysia: When a Clot is Too Much!

Norzian Ismail

4:20 PM Discussion

4:25 PM Worst Case from Indonesia: Type III Coronary Perforation During PCI

Nahar Taufiq

4:35 PM Discussion

4:40 PM Worst Case from Malaysia : Being Fat May Not Be a Bad Thing

Jayakhanthan Kolanthaivelu

4:50 PM Discussion

4:55 PM Worst Case from Thailand: One Way Ticket!

Muenpetch Muenkaew

5:05 PM Discussion

5:10 PM Wrap-up  
Teguh Santoso



# Orsiro

The new benchmark  
for DES



Clinically proven



Highly deliverable

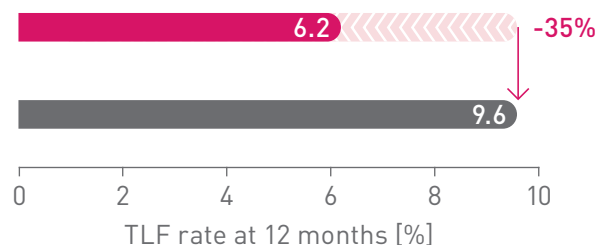


Ultrathin 60µm<sup>1</sup> struts

## Significantly lower TLF rate vs. Xience

Orsiro<sup>2</sup>  
BIOTRONIK  
(n=884)

Xience<sup>3</sup>  
Abbott  
(n=450)



1. ø 2.25 - 3.0 mm; 2. CAUTION - Investigational device. Limited by United States law to investigational use.; 3. Xience is a registered trademark of Abbott Cardiovascular Systems Inc. Reference: Kandzari O. Ultrathin Bioresorbable Polymer Sirolimus-Eluting Stents versus Thin Durable Polymer Everolimus-Eluting Stents in Patients Undergoing Coronary Revascularisation [BIOFLOW V]: A randomized trial The Lancet. 2017.

\*Strut thickness of ø 2.25 - 3.0 mm stent strut compared to nearest competitor equivalent size.

  
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23<sup>rd</sup> CARDIOVASCULAR SUMMIT  
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Inspire the Next Generation!

CTO Live

Coronary Intervention

Percutaneous Valve Therapeutics

Endovascular Intervention

**SCIENTIFIC  
PROGRAM**

**SUNDAY, APRIL 29**

SCIENTIFIC PROGRAM  
SUNDAY, APRIL 29

## Opening Remark

📍 CTO Theater, Level 1

🕒 8:30 AM ~ 8:35 AM

8:30 AM **Opening Remark**  
Seung-Whan Lee

## Live Case Session I

📍 CTO Theater, Level 1

🕒 8:35 AM ~ 10:00 AM

*Moderators* Seung-Whan Lee, Toshiya Muramatsu  
*Discussants* Jin-Ho Choi, Atsushi Hirohata, Yasumi Igarashi, Arun Kalyanasundaram, Byeong-Keuk Kim, Kee-Sik Kim, Eisho Kyo, Bing Liu, Kambis Mashayekhi, Kenya Nasu, Hun Sik Park, Chong-Hoek Tan, Hongbing Yan

8:35 AM **Asan Medical Center, Seoul, Korea: Case #1**

1<sup>st</sup> Operator : Nae Hee Lee  
2<sup>nd</sup> Operator : Jon Suh

**Asan Medical Center, Seoul, Korea: Case #2**

1<sup>st</sup> Operator : Yasushi Asakura  
2<sup>nd</sup> Operator : Hyuck Jun Yoon

## I. Featured Lectures: Tips and Tricks 1

📍 CTO Theater, Level 1

🕒 10:00 AM ~ 10:50 AM

*Moderators* Yasumi Igarashi, Gerald Werner  
*Panelists* Arun Kalyanasundaram, Tetsuo Matsubara, Kenya Nasu, Takafumi Tsuji

10:00 AM **The Contribution of Retrograde Approach in CTO PCI**  
Seung-Whan Lee

10:08 AM **Dissection/Reentry Technique: When Is Primary or Rescue Use?**  
Arun Kalyanasundaram

10:16 AM **IVUS-Guided Approach During Wiring**  
Gerald Werner

10:24 AM **Smart Use of Reverse CART Technique in Difficult Situation**  
Kenya Nasu

10:32 AM **Channel Selection and Chasing in Retrograde Approach**  
Yasumi Igarashi

10:40 AM **Discussion with Q & A**

## Live Case Session II

📍 CTO Theater, Level 1

🕒 10:50 AM ~ 12:00 PM

*Moderators* Yangsoo Jang, Gerald Werner  
*Discussants* Kazuhiro Ashida, William Chi Kin Chan, Tsutomu Fujita, Jungo Furuya, Doo Il Kim, Myeong Kon Kim, Wen-Lieng Lee, Tetsuo Matsubara, Junya Shite, Li Wah Tam, Eugene Brian Wu

10:50 AM **Asan Medical Center, Seoul, Korea: Case #3**

1<sup>st</sup> Operator : Seung-Whan Lee  
2<sup>nd</sup> Operator : Chang Hoon Lee  
3<sup>rd</sup> Operator : Gyoung-Min Park

**Asan Medical Center, Seoul, Korea: Case #4**

1<sup>st</sup> Operator : Toshiya Muramatsu  
2<sup>nd</sup> Operator : Yoon Seok Koh

## II. Featured Lectures: Tips and Tricks 2

📍 CTO Theater, Level 1

🕒 12:00 PM ~ 12:35 PM

*Moderators* Yangsoo Jang, Eisho Kyo  
*Panelists* Maoto Habara, Arun Kalyanasundaram, Simon Lo, Satoru Otsuji, Eugene Brian Wu

12:00 PM **When You Cannot Puncture the Proximal Cap**  
Maoto Habara

12:08 PM **When the Microcatheter Won't Cross the Lesion**  
Arun Kalyanasundaram

12:16 PM **When the Microcatheter Won't Cross the Collateral**  
Eugene Brian Wu

12:24 PM **When the Retrograde Wire Won't Cross the Lesion**  
Satoru Otsuji

12:32 PM **Discussion with Q & A**

## Live Case Session III

📍 CTO Theater, Level 1

🕒 2:00 PM ~ 3:20 PM

*Moderators* Nae Hee Lee, Satoru Otsuji, Barry D. Rutherford  
*Discussants* Debabrata Dash, Ichiro Hamanaka, Yuji Hamazaki, Hee-Yeol Kim, Moo Hyun Kim, Hyuck Moon Kwon, Seung-Hwan Lee, Ping-Han Lo, Yves R. Louvard

2:00 PM **Severance Hospital, Seoul, Korea: Case #5**

1<sup>st</sup> Operator : Yangsoo Jang  
2<sup>nd</sup> Operator : Sung-Jin Hong

**Severance Hospital, Seoul, Korea: Case #6**

1<sup>st</sup> Operator : Paul Hsien-Li Kao  
2<sup>nd</sup> Operator : Byeong-Keuk Kim

## III. Featured Lectures: Tips and Tricks 3

📍 CTO Theater, Level 1

🕒 3:20 PM ~ 4:00 PM

*Moderators* Toshiya Muramatsu, Satoru Otsuji  
*Panelists* Yasushi Asakura, Hyuk-Jae Chang, Hee-Yeol Kim, Kambis Mashayekhi, Jon Suh

3:20 PM **Blunt Stump or Ambiguous Stump**  
Jon Suh

3:28 PM **Heavy Calcific CTO**  
Kambis Mashayekhi

3:36 PM **Long Segment CTO**  
Toshiya Muramatsu

3:44 PM **Retrial CTO**  
Satoru Otsuji

3:52 PM **Discussion with Q & A**

## Live Case Session IV

📍 CTO Theater, Level 1

🕒 4:00 PM ~ 5:20 PM

*Moderators* Yasushi Asakura, Seung-Whan Lee  
*Discussants* Jang-Ho Bae, Byung Ryul Cho, Kook-Jin Chun, Do Hoi Kim, Shuzheng Lyu, Xuguang Qin, Takaaki Shiono, Ramesh Singh Arjan Singh, Tetsuya Tobaru, Yoshinori Yasaka, Chang-Hwan Yoon

4:00 PM **Severance Hospital, Seoul, Korea: Case #7**

1<sup>st</sup> Operator : Kenya Nasu  
2<sup>nd</sup> Operator : Jung-Hee Lee

**Severance Hospital, Seoul, Korea: Case #8**

1<sup>st</sup> Operator : Yasumi Igarashi  
2<sup>nd</sup> Operator : Hoyoun Won

## Sunday, April 29

### Endovascular Symposium

SUNDAY, APRIL 29 | 33

#### IV. APCTO Club in TCTAP

📍 CTO Theater, Level 1

🕒 5:20 PM ~ 6:00 PM

*Moderators* Paul Hsien-Li Kao, Seung-Wihan Lee, Gerald Werner

*Panelists* Jong-Young Lee, Eugene Brian Wu

5:20 PM **Modern Antegrade Approach in APCTO Algorithm**  
Jong-Young Lee

5:28 PM **Current Retrograde Approach Based on APCTO Algorithm**  
Paul Hsien-Li Kao

5:36 PM **APCTO Registry: Outcomes and Lessons**  
Eugene Brian Wu

5:44 PM **APCTO Algorithm-guided Strategy: Pitfalls and Critics**  
Gerald Werner

5:52 PM **Discussion with Q & A**

#### Opening Remark

📍 Endovascular Theater, Level 1

🕒 8:30 AM ~ 8:35 AM

8:30 AM **Opening Remark**  
Donghoon Choi

#### Live Case Session I

📍 Endovascular Theater, Level 1

🕒 8:35 AM ~ 9:40 AM

*Moderators* Hiroshi Ando, Donghoon Choi  
*Discussants* Paul TL Chiam, Jang Hyun Cho, Lawrence A. Garcia, Chung-Ho Hsu, Hyun-Sook Kim, Jong-Young Lee, Kojiro Miki, Yoshimitsu Soga, Yoshinori Tsubakimoto, Eitaro Umehara, Tao-Cheng Wu

8:35 AM **Severance Hospital, Seoul, Korea: Case #1**  
1<sup>st</sup> Operator : Ravish Sachar  
2<sup>nd</sup> Operator : Chul-Min Ahn

**Severance Hospital, Seoul, Korea: Case #2**  
1<sup>st</sup> Operator : Jae-Hwan Lee  
2<sup>nd</sup> Operator : Sanghoon Shin

#### Endovascular Session I. Changing Paradigm and Future Concepts in Peripheral Intervention: Iliac to SFA

📍 Endovascular Theater, Level 1

🕒 9:40 AM ~ 10:30 AM

*Moderators* Taehoon Ahn, Robert Bersin  
*Panelists* Lawrence A. Garcia, Chung-Ho Hsu, Jong-Young Lee, Michael S. Lee, Renu Virmani

9:40 AM **Drug Technology: How to Apply to Long Calcific Lesions**  
Michael S. Lee

9:48 AM **First in Human Results of the Solution**

**Sirolimus Drug Coated Balloon in Femoral-Popliteal Disease**  
Robert Bersin

9:56 AM **Rotational Versus Directional Atherectomy in Routine Practice: STRIKE-REGISTRY**  
Jong-Young Lee

10:04 AM **SFA Interventions: What's the Best Strategy?**  
Lawrence A. Garcia

10:12 AM **DCB Versus DES for SFA: Which Is Better?**  
Renu Virmani

10:20 AM **Panel Discussion and Q & A**

#### Live Case Session II

📍 Endovascular Theater, Level 1

🕒 10:30 AM ~ 11:30 AM

*Moderators* Robert Bersin, In-Ho Chae  
*Discussants* Chao Chien Chang, I-Ming Chen, Jae Woong Choi, Woo Young Chung, Hiroaki Higami, Han Cheol Lee, Pil-Ki Min, Fabio Enrique Posas, Hidetsugu Sakai, Junichi Tazaki, Shaiful Azmi Yahaya, Zhi Zheng

10:30 AM **Severance Hospital, Seoul, Korea: Case #3**  
1<sup>st</sup> Operator : Young-Guk Ko  
2<sup>nd</sup> Operator : Chul-Min Ahn

**Severance Hospital, Seoul, Korea: Case #4**  
1<sup>st</sup> Operator : Kishore Sieunarine  
2<sup>nd</sup> Operator : Donghoon Choi

#### Endovascular Session II. BTK Intervention

📍 Endovascular Theater, Level 1

🕒 11:30 AM ~ 12:30 PM

*Moderator* Yoshiaki Yokoi  
*Panelists* Lawrence A. Garcia, Osamu Iida, Su Hong Kim, Won Ho Kim, Ravish Sachar, Yoshimitsu Soga, Je Hwan Won

11:30 AM **Endovascular Therapy Versus Surgical Reconstruction in CLI: First Option Controversy**  
Osamu Iida

11:38 AM **Efficacy of Pedal Artery Angioplasty Towards Severity of Pedal Artery Disease**  
Yoshimitsu Soga

11:46 AM **Clinical Implication of Anatomical Variation of Below the Knee Arteries**  
Yoshiaki Yokoi

11:54 AM **Drug-Technology for BTK Intervention: Barriers and Perspectives**  
Lawrence A. Garcia

12:02 PM **Maximal Luminal Gain with Directional or Rotational Atherectomy Followed by DCB May be the Optimal Strategy**  
Ravish Sachar

12:10 PM **Complications and Its Management During BTK Intervention**  
Je Hwan Won

12:18 PM **Panel Discussion and Q & A**

## Live Case Session III

## 📍 Endovascular Theater, Level 1

🕒 2:00 PM ~ 3:00 PM

*Moderators* Seung Hyuk Choi, Ravish Sachar  
*Discussants* Hsin-Hua Chou, Farhat Fouladvand, Naoto Inoue, Kentaro Jujo, Su Hong Kim, Michael S. Lee, Se-Whan Lee, Piotr Odrowaz-Pieniazek, Seung-Woon Rha, Tien-Yu Wu, Wei-Hsien Yin

## 2:00 PM Asan Medical Center, Seoul, Korea: Case #5

1<sup>st</sup> Operator : Seung-Whan Lee  
 2<sup>nd</sup> Operator : Young Rak Cho

## Asan Medical Center, Seoul, Korea: Case #6

1<sup>st</sup> Operator : Lawrence A. Garcia  
 2<sup>nd</sup> Operator : Gyung-Min Park

## Endovascular Session III. Aorta

## 📍 Endovascular Theater, Level 1

🕒 3:00 PM ~ 4:00 PM

*Moderators* Young-Guk Ko, Kishore Sieunarine  
*Panelists* Kiyotaka Iwasaki, Woong Chol Kang, Jae-Hwan Lee, Sang-Rok Lee, Junichi Tazaki

## 3:00 PM New Technologies and Techniques to Deal with Adverse AAA Neck Anatomy

Robert Bersin

## 3:08 PM Anatomical Consideration for Choosing Different EVAR Devices

Kishore Sieunarine

## 3:16 PM Short- and Long-term EVAR Complications: How to Predict and Prevent

Jae-Hwan Lee

## 3:24 PM Coil Embolization for Type II Endoleak After EVAR: Candidates and Outcomes

Junichi Tazaki

## 3:32 PM SINE After TEVAR: Predictor and Management

Young-Guk Ko

## 3:40 PM Panel Discussion and Q &amp; A

## Live Case Session IV

## 📍 Endovascular Theater, Level 1

🕒 4:00 PM ~ 5:00 PM

*Moderators* Donghoon Choi, Yoshiaki Yokoi  
*Discussants* Jung Rae Cho, Masahiko Fujihara, Sung-Ho Her, Osamu Iida, Jang Yong Kim, Bong-Ki Lee, Yuya Nakagawa, Hiroshi Okumura, Kishore Sieunarine, Taketsugu Tsuchiya, Bryan Ping-Yen Yan

## 4:00 PM Asan Medical Center, Seoul, Korea: Case #7

1<sup>st</sup> Operator : Robert Bersin  
 2<sup>nd</sup> Operator : Chang Hoon Lee

## Asan Medical Center, Seoul, Korea: Case #8

1<sup>st</sup> Operator : Hiroshi Ando  
 2<sup>nd</sup> Operator : Pil Hyung Lee

## Endovascular Session IV. Carotid Intervention

## 📍 Endovascular Theater, Level 1

🕒 5:00 PM ~ 6:00 PM

*Moderators* Jae-Hwan Lee, Piotr Odrowaz-Pieniazek  
*Panelists* Kiyotaka Iwasaki, Seong-Rim Kim, Eun-Jae Lee, Mao-Shin Lin, Ajit Mullanari

## 5:00 PM ERCAO - Carotid Occlusion Recanalization Trial

Paul Hsien-Li Kao

## 5:08 PM Micromesh Technology in Carotid Stents: Soft vs. Hard Landing

Horst Sievert

## 5:16 PM Stroke After CABG: Clinical Implication of Carotid a Disease

Eun-Jae Lee

## 5:24 PM Asymptomatic Carotid Stenosis: Who Is the High Stroke Risk?

Jae-Hwan Lee

## 5:32 PM Trans-radial Carotid Stenting: 5 Tips for Technical Success

Piotr Odrowaz-Pieniazek

## 5:40 PM Panel Discussion and Q &amp; A

## Left Main and Bifurcation PCI

## 📍 Room 104, Level 1

🕒 8:30 AM ~ 10:30 AM

*Moderators* David R. Holmes, Seung-Jung Park, Patrick W. Serruys  
*Panelists* Takashi Akasaka, David E. Kandzari, Bon-Kwon Koo, Thierry Lefevre, Yves R. Louvard, Tullio Palmerini, Duk-Woo Park

## 8:30 AM Updated RCT for Left Main: EXCEL &amp; NOBLE - Long-Term, Subgroup, and New Data

David E. Kandzari

## 8:38 AM Updated Meta-Analysis for PCI vs. CABG for Left Main Disease

Tullio Palmerini

## 8:46 AM Updated Registry for Left Main: 5-Year IRIS-MAIN and 10-Year MAINCOMPARE

Seung-Jung Park

## 8:54 AM Gender in EXCEL

Patrick W. Serruys

## 9:02 AM PCI vs. CABG for Left Main in 2018 - Expert's View on U.S. Future Guideline Change

David R. Holmes

## 9:10 AM Interactive Discussion with Audience Q&amp;A

## 9:35 AM Updated RCT for Bifurcation PCI: DK-CRUSH V, EBC-MAIN, and More

Thierry Lefevre

## 9:43 AM EBC-MAIN Like Analysis Using the Largest Real-World Left Main Database

Duk-Woo Park

## 9:51 AM Updated EBC Recommendation for Bifurcation PCI

Yves R. Louvard

## 9:59 AM Bifurcation PCI with Physiologic Index: FFR, Contrast FFR, Pd/Pa, and iFR - When, How, and What?

Bon-Kwon Koo

## 10:07 AM Bifurcation PCI with Invasive Imaging: IVUS, 3D-OCT and More

Takashi Akasaka

## 10:15 AM Interactive Discussion with Audience Q&amp;A

## DES &amp; New BRS

## 📍 Room 104, Level 1

🕒 10:30 AM ~ 12:25 PM

*Moderators* Stephen G. Ellis, Marie-Claude Morice  
*Panelists* Davide Capodanno, Andrejs Erglis, Aloke V. Finn, Michael Haude, Bernhard Meier, Tullio Palmerini, Chuck Simonton

## 10:30 AM Pathologic Perspective on DES and BRS: Forecasting New Directions

Aloke V. Finn

## 10:38 AM Comparative Outcomes of Contemporary DES in Real-World: Is There Difference?

Duk-Woo Park

## 10:46 AM Contemporary Drug Eluting Stents Are Different.: How I Choose DES Type According to Patient/Lesion Features

Andrejs Erglis

## 10:54 AM High Bleeding Risk Patients with DES: Insights from SENIOR and LEADER-FREE Trials

Marie-Claude Morice

## 11:02 AM Rethinking DAPT Duration with Smarter DES: Personalized vs. Generalized Strategy

Davide Capodanno

## 11:10 AM Interactive Discussion with Audience Q&amp;A

## 11:25 AM Updated Meta-Analysis of Bioresorbable Scaffolds: Sum Up Many, Many Meta for BRS

Tullio Palmerini

## 11:33 AM Learn Wisdom from the Follies of the Past: What Was Wrong in Past BRS Trials?

Stephen G. Ellis

- 11:41 AM **Drug Eluting Bioresorbable Mg Scaffold**  
*Michael Haude*
- 11:49 AM **The Future Pipelines and Perspectives on Next Bioresorbable Scaffolds**  
*Chuck Simonton*
- 11:57 AM **Interactive Discussion with Audience Q&A**
- 12:10 PM **Memorial Lecture 2018: 40 Years of PCI - Where Next?**  
*Bernhard Meier*
- 12:20 PM **Interactive Discussion with Audience Q&A**

### Imaging & Physiology

📍 Room 104, Level 1  
🕒 2:00 PM ~ 3:40 PM

*Moderators* Jung-Min Ahn, Gary S. Mintz  
*Panelists* Takashi Akasaka, Javier Escaned, William F. Fearon, Rajiv Gulati, John McB. Hodgson, Ik-Kyung Jang, Akiko Maehara, Eun-Seok Shin

### Coronary Imaging

- 2:00 PM **[Vulnerable Plaque Detection: What Is New in 2018?] Insight from Pathology**  
*Aloke V. Finn*
- 2:08 PM **[Vulnerable Plaque Detection: What Is New in 2018?] OCT**  
*Takashi Akasaka*
- 2:16 PM **[Vulnerable Plaque Detection: What Is New in 2018?] NIRS**  
*Akiko Maehara*
- 2:24 PM **[Guiding Coronary Intervention] IVUS-Guided Stent Optimization: From MUSIC to ADAP-DES**  
*Evelyn Regar*
- 2:32 PM **[Guiding Coronary Intervention] OCT Guided CHIP. ILUMIEN IV**  
*Ziad A. Ali*
- 2:40 PM **[Guiding Coronary Intervention] Imaging Guidance for Treatment of In-stent Restenosis**  
*Gary S. Mintz*

### Coronary Physiology

- 2:48 PM **Similarities and Dissimilarities of FFR, iFR and Resting Pd/Pa**  
*Bon-Kwon Koo*
- 2:56 PM **iFR Is Enough!**  
*Hitoshi Matsuo*
- 3:04 PM **FFR Is Still Standard!**  
*William F. Fearon*
- 3:12 PM **How About Integrated Use of Resting Pd/Pa and FFR?**  
*Jung-Min Ahn*
- 3:20 PM **Implications of Hospital-Level Variation in FFR Severity on Cost Effectiveness**  
*Nils Johnson*
- 3:28 PM **Non-Invasive FFR Assessment**  
*William F. Fearon*
- 3:36 PM **Interactive Discussion with Audience Q&A**

### ACS & Pharmacotherapy

📍 Room 104, Level 1  
🕒 3:40 PM ~ 4:30 PM

*Moderators* David J. Cohen, Barry D. Rutherford  
*Panelists* Jun-Jack Cheng, Rajiv Gulati, Joo-Yong Hahn, I-Chang Hsieh, Jacques J. Koolen, Tullio Palmerini, Kyung Woo Park, Sunarya Soerianata

### Antithrombotic Therapy, Beyond the Acute Phase

- 3:40 PM **DAPT Dilemmas in ACS: Where to Go - Shorter vs. Longer Durations?**  
*Tullio Palmerini*
- 3:48 PM **Stable CAD & PAD: COMPASS Trial - Will It Change Practice?**  
*David J. Cohen*
- 3:56 PM **Interactive Discussion with Audience Q&A**

### STEMI Interventions, Beyond the Culprit Lesion

- 4:05 PM **STEMI with MVD: An Ongoing Battle for the Optimal Treatment Strategy**  
*Neal S. Kleiman*
- 4:13 PM **STEMI with Shock: The Culprit-Shock Trial Challenges Current Guidelines**  
*Jacques J. Koolen*
- 4:21 PM **Interactive Discussion with Audience Q&A**

### Valves

📍 Room 104, Level 1  
🕒 4:30 PM ~ 6:00 PM

*Moderators* Eberhard Grube, Duk-Woo Park, John Graydon Webb

*Panelists* James Flaherty, Michael Haude, Raj Makkar, Patrick W. Serruys, Darren L. Walters, Jian (James) Ye, Alan C. Yeung

- 4:30 PM **Transcatheter Aortic Valve Replacement(TAVR) - Lessons on the Natural History of Aortic Stenosis**  
*James Flaherty*
- 4:38 PM **TAVR vs SAVR in 2018: Updated Guidelines and Appropriate Use Criteria**  
*Eberhard Grube*
- 4:46 PM **Cerebral Protection During TAVR: All vs. Selective Application**  
*Raj Makkar*
- 4:54 PM **Evolving TAVR Indications (Heart Failure, Asymptomatic AS, and AR)**  
*Alan C. Yeung*
- 5:02 PM **Is TAVR with STS from <3% Better than SAVR: Lessons Learned from SURTAVI**  
*Patrick W. Serruys*
- 5:10 PM **TAVR in Low-Risk Patients: Time to Go vs. Too Early**  
*Michael Haude*
- 5:18 PM **Interactive Discussion with Audience Q&A**

- 5:30 PM **TMVR: Indication, Devices, and Data**  
*Darren L. Walters*
- 5:38 PM **Emerging Toolboxes for TR Repair and Replacement**  
*John Graydon Webb*
- 5:46 PM **Severe Secondary MR: Medical Treatment vs. Surgery vs. Intervention**  
*Horst Sievert*
- 5:54 PM **Interactive Discussion with Audience Q&A**



Sunday, April 29

Partnership Sessions with International  
Societies and Meetings

38

### CIT @ TCTAP 2018

Co-organized by CIT

📍 Room 105, Level 1

🕒 2:00 PM ~ 3:30 PM

#### Practice and Innovation in Interventional Cardiology in China

Moderators Shaoliang Chen, Seung-Jung Park

Discussants Jilin Chen, Philippe Genereux,  
Michael Kang-Yin Lee, Shuzheng Lyu,  
Teguh Santoso, Imad Sheiban, Fucheng Sun,  
Yujie Zhou

2:00 PM Left Main and Coronary Bifurcation:  
Challenges and Perspectives  
Junjie Zhang

2:15 PM Contemporary Management Strategy  
in STEMI Patients Complicating  
Cardiogenic Shock  
Hongbing Yan

2:30 PM Intracoronary Imaging Tools: Usage,  
Interpretation, and Guidance  
Jie Qian

2:45 PM TAVR in Asia: Current Challenges and  
Future Direction  
Duk-Woo Park

3:00 PM Pulmonary Arterial Hypertension:  
Unforgettable and Untreatable  
Shaoliang Chen

3:15 PM Panel Discussion with Audience Q&A

### ACC-i2 @ TCTAP 2018

Co-organized by ACC-i2

📍 Room 105, Level 1

🕒 3:30 PM ~ 4:30 PM

Chairs David R. Holmes, Roxana Mehran

3:30 PM Acute Myocardial Infarction and  
Shock Year-In-Review  
Neal S. Kleiman

3:45 PM Interventional Pharmacology Year-In-  
Review  
Roxana Mehran

4:00 PM Valvular Heart Disease Year-In-Review  
Raj Makkar

4:15 PM Discussion and Audience Q&A

### BIT @ TCTAP 2018: Interesting PCI Cases from Bangla Interventional Therapeutics

Co-organized by Bangla Interventional Therapeutics

📍 Room 105, Level 1

🕒 4:30 PM ~ 6:00 PM

Moderators Seung-Ho Hur, Abdullah Al Shafi Majumder  
Marie-Claude Morice, Afzalur Rahman

Panelists Byeong-Keuk Kim, Dilip Kumar,  
Prakas Chandra Mondal, Shams Munwar

4:30 PM Opening Remark  
Afzalur Rahman

#### Case Presentations

4:35 PM Double CTO- In High Risk Elderly Man  
Ashok Kumar Dutta

4:43 PM Discussion with Q & A

4:48 PM Successful Transradial PCI for Non-  
Infarct-Related Left Main Stenosis  
After Culprit Lesion PCI in STEMI  
Patient  
Jae-Sik Jang

4:56 PM Discussion with Q & A

Sunday, April 29

TCTAP Award

### Chien Foundation Lectureship Award

📍 Room 104, Level 1

🕒 12:25 PM ~ 12:30 PM

12:25 PM Award Presentation  
Alan C. Yeung

5:01 PM Unusual Sub-Acute Stent Thrombosis  
in 29 Years Old Male  
Shams Munwar

5:09 PM Discussion with Q & A

5:14 PM Integration of Image and Physiology  
Guidance for Left Main Bifurcation PCI  
Chang-Wook Nam

5:22 PM Discussion with Q & A

5:27 PM Image Guided Precise LAD Ostial PCI  
by Afzal's Technique  
Farhana Ahmed

5:35 PM Discussion with Q & A

5:40 PM Our First Experiences of ADR  
(Antegrade Dissection Re-Entry) for  
CTO  
Byeong-Keuk Kim

5:48 PM Discussion with Q & A

5:53 PM Take Home Message  
Marie-Claude Morice

## P-1. AMI & ACS

📍 E-Poster Zone 1, Level 1

🕒 10:00 AM ~ 11:20 AM

Moderators David J. Cohen, Jacques J. Koolen

10:00 AM [TCTAP A-124]  
Prognostic Impact of Renal Function On-admission in Diabetic Patients Presenting for Acute ST-elevation Myocardial Infarction: Insights from a Tunisian Single Center Registry  
Walid Jomaa

10:10 AM [TCTAP A-120]  
Clinical Factors and Long Term Prognosis of New-onset Atrial Fibrillation in Patients Hospitalized with ST-elevation Myocardial Infarction  
Kyu-Yong Ko

10:20 AM [TCTAP A-122]  
Gender Differences in Outcomes After Primary Angioplasty Versus Thrombolysis in Acute Myocardial Infarction  
Nazim Megherbi

10:30 AM [TCTAP A-125]  
Mechanical and Pharmacological Revascularization Strategies for Prevention of Microvascular Dysfunction in ST Segment Elevation Myocardial Infarction: Analysis from Index of Microcirculatory Resistance Registry Data  
Jin-Hee Park

10:40 AM [TCTAP A-121]  
Effect of Ivabradine on the Infarct Size and Remodeling in Patients with ST Elevation Myocardial Infarction  
Ahmed Ashraf Eissa

10:50 AM [TCTAP A-123]  
Impact of Myocardial Blush Grade on In-hospital Outcome After Primary Percutaneous Coronary Intervention  
Md Minhaj Arefin

11:00 AM [TCTAP A-128]  
Raised Level of Cardiac Troponin I (50 Folds Upper Limit of Normal) Is a Sensitive and Specific Marker for Extent of Coronary Artery Disease in First Attack of Non-ST Segment Elevation Myocardial Infarction in Bangladeshi Population.  
Mahmood Hasan Khan

11:10 AM Best Abstract Selection & Announcement

## P-2. AMI & ACS

📍 E-Poster Zone 2, Level 1

🕒 10:00 AM ~ 11:20 AM

Moderators Jun-Jack Cheng, Imad Sheiban

10:00 AM [TCTAP A-126]  
Radial Versus Femoral Access in Primary Percutaneous Intervention in STEMI Patients  
Yau Piow Ng

10:10 AM [TCTAP A-006]  
Utility of GRACE and ACUITY-HORIZONS Risk Scores to Guide Dual Antiplatelet Therapy in Patients with Acute Myocardial Infarction Undergoing Drug-eluting Stenting  
Doo Sun Sim

10:20 AM [TCTAP A-127]  
Prevalence and Outcome of Atrial Fibrillation in Patient Hospitalized with Acute Coronary Syndrome in Malaysia: A Retrospective Data Registry  
Mohd Firdaus Hadi

10:30 AM [TCTAP A-132]  
Deliverability and 6-month Outcome of Patients Treated with Long 30mm to 40mm SeQuent® Please NEO Drug Coated Balloons  
Yusheng James Weng

10:40 AM [TCTAP A-133]  
Efficacy of Intra-aortic Balloon Pump in Patients with AMI Who Treated by Primary PCI  
Surenjav Chimed

10:50 AM [TCTAP A-131]  
Time Profile in Primary Percutaneous Coronary Interventions in Secondary Referral Hospital  
Rico Wicaksana Putra

11:00 AM [TCTAP A-130]  
Impact of Renal Impairment on Coronary Vasculature Among Patients Undergoing Primary Percutaneous Coronary Intervention and Its Effect on Hospital Stay Outcome  
Mahmoud Magdy

11:10 AM Best Abstract Selection & Announcement

## P-3. Complex PCI

📍 E-Poster Zone 3, Level 1

🕒 10:00 AM ~ 11:00 AM

Moderators Javier Escaned, Vincent On-Hing Kwok

10:00 AM [TCTAP A-135]  
SYNTAX Score and Clinical Outcome in Patients Undergoing Left Main Percutaneous Coronary Intervention (SOUL Study)  
Kochamarij Boonyarattaphun

10:10 AM [TCTAP A-148]  
Retrograde Approach for Percutaneous Recanalization of Coronary Chronic Total Occlusions; Contribution to Clinical Practice and Its Long-term Results  
Osung Kwon

10:20 AM [TCTAP A-134]  
Clinical and Anatomical Predictors of Side Branch Problems in True Bifurcation Lesions Treated by Provisional Strategy  
Osama Mamdouh Shoeib

10:30 AM [TCTAP A-149]  
Impact of Beta-blocker on Long-term Outcomes After Percutaneous Coronary Intervention for Chronic Total Occlusion: Data from Decision-CTO Registry  
Minsoo Kim

10:40 AM [TCTAP A-140]  
Relationship Between High Admission Glucose Level and LV Function, Early Prognosis in Patients with STEMI  
Batmyagmar Khuyag

10:50 AM Best Abstract Selection & Announcement

## P-4. Miscellaneous

📍 E-Poster Zone 4, Level 1

🕒 10:00 AM ~ 11:10 AM

Moderators Rajiv Gulati, Teguh Santoso

10:00 AM [TCTAP A-137]  
Preconditioning with Far-infrared Irradiation Enhances Proliferation, Cell Survival and Migration of Bone Marrow-derived Stem Cells via CXCR4-ERK Pathways  
Weon Kim

10:10 AM [TCTAP A-143]  
Clinical Characteristics of Patients with Incidence of Cardiac Shock During the Course of Takotsubo Cardiomyopathy  
Mori Atsushi

10:20 AM [TCTAP A-146]  
Optimal Frequency for Accurate Measurement of Age-related Changes in Electrical Impedance of Vascular Endothelial Cell by Using Micro-electrochemical Impedance Spectroscopy for Diagnosis of Senescence  
Jung-Joon Cha

- 10:30 AM [TCTAP A-142]  
 The Impact of Red Cell Distribution Width Level on Myocardial Reperfusion After Percutaneous Coronary Intervention in Patients with Coronary Heart Disease  
*Hanan Saad Salem*
- 10:40 AM [TCTAP A-144]  
 Thrombophilia Is Associated with Early Thrombosis After Percutaneous Hemodialysis Access Intervention.  
*Pei-Shan Lin*
- 10:50 AM [TCTAP A-141]  
 Coronary Artery Diameters Among Bangladeshis and Their Relationship with Co-morbidities  
*Fathima Aaysha Cader*
- 11:00 AM Best Abstract Selection & Announcement

### 1-1. Complex PCI

📍 Abstract Zone I, Level 1

🕒 2:00 PM ~ 3:10 PM

Moderators *Michael Haude, Dong Joo Oh*  
 Panelists *Hyunsang Lee, Chang-Bum Park, Nobuhiro Tanaka, Yee Guan Yap*

- 2:00 PM [TCTAP A-047]  
 Long Term Outcome of Unprotected Left Main Coronary Artery Disease: Comparison between Coronary Artery Bypass Grafting(CABG) and Percutaneous Coronary Intervention(PCI) in Korean Single Center  
*Kai Song*
- 2:10 PM [TCTAP A-046]  
 Angiographic Predictors of Two Stent Strategy in Coronary Bifurcation Treatment  
*Indulis Kumsars*
- 2:20 PM [TCTAP A-055]  
 Effects of Percutaneous Coronary Intervention in Patients Aged Over 70 Years with Chronic Total Occlusion Lesions  
*Guodong Tang*
- 2:30 PM [TCTAP A-072]  
 Chronic Total Occlusion Simulation Training System Using 3D Printing Technology  
*Scofield Zhang*
- 2:40 PM [TCTAP A-151]  
 Predictors for In-stent Restenosis at Chronic Total Occlusive Lesions  
*Kyusup Lee*
- 2:50 PM [TCTAP A-059]  
 A Comparison of One-year Clinical Outcomes After Percutaneous Coronary Intervention in Patients of Three Age Groups(65 to 74, 75 to 79 and ≥80 Years) in China  
*Yi Xu*
- 3:00 PM Best Abstract Selection & Announcement

### 1-2. Complex PCI

📍 Abstract Zone I, Level 1

🕒 3:20 PM ~ 4:40 PM

Moderators *Kam Tim Chan, Byung Ok Kim*  
 Panelists *Ka Lung Chui, Doni Firman, Tomohiro Sakamoto, Doo Sun Sim*

- 3:20 PM [TCTAP A-057]  
 Clinical and CT Angiographic Predictors of the Development of Coronary Chronic Total Occlusions  
*Jeehoon Kang*
- 3:30 PM [TCTAP A-030]  
 Rotational Atherectomy and New-generation Drug-eluting Stent Implantation in De Novo Lesion  
*Daisuke Hachinohe*
- 3:40 PM [TCTAP A-031]  
 Clinical Outcome of the Drug Eluting Balloon: A Single Center Retrospective Registry  
*Mohd Firdaus Hadi*
- 3:50 PM [TCTAP A-048]  
 Immediate and Long-term Results of Left Main Percutaneous Coronary Interventions: Single Centre Registry  
*Valeri Gelev*
- 4:00 PM [TCTAP A-034]  
 Angiographic Analysis of Trans-radial Percutaneous Coronary Intervention (PCI) Cases by the Backup Support of Guide Extension Catheter  
*Sahela Nasrin*
- 4:10 PM [TCTAP A-071]  
 Sirolimus Coated Balloon Angioplasty for In-stent Restenosis in Small Coronary Arteries  
*Sameer Dani*
- 4:20 PM [TCTAP A-033]  
 Safety and Efficacy Analysis of Coronary Rotational Atherectomy in Elderly Patients with Heavily Calcified Coronary Lesions  
*Guodong Tang*
- 4:30 PM Best Abstract Selection & Announcement

### 1-3. Basic Science, Animal Models and Preclinical Studies

📍 Abstract Zone I, Level 1

🕒 4:40 PM ~ 5:40 PM

Moderators *Rosli Mohd Ali, Jong-Seon Park*  
 Panelists *Li Wei Chen, Young-Hoon Jeong, Michael Mao-Chen Liang, Jason Kwok Kong Loh*

- 4:40 PM [TCTAP A-039]  
 Comparison of Bare Metal Stent and Non-drug Eluting Bioresorbable Vascular Scaffold in Small Size Intrapopliteal Artery: Preclinical Study in Porcine Model  
*Jihun Ahn*
- 4:50 PM [TCTAP A-041]  
 Impact of Pulsed Central Pressure and Its Amplification on Coronary Lesions and In-stent Restenosis  
*Mohamed Abed Bouraghda*
- 5:00 PM [TCTAP A-042]  
 Electrical Impedance Changes in Vascular Endothelial Cell During Ischemic Stress by Using Micro-electrochemical Impedance Spectroscopy  
*Jung-Joon Cha*
- 5:10 PM [TCTAP A-043]  
 Total Bilirubin in Prognosis for Mortality in End-stage Renal Disease Patients on Peritoneal Dialysis Therapy  
*Tsung Lin Yang*
- 5:20 PM [TCTAP A-038]  
 Renal Denervation and Antisymphetic Drugs for Amelioration of Cardiac Function in a Swine Model of Reperfused ST-segment Elevation Myocardial Infarction  
*Bin Zhang*
- 5:30 PM Best Abstract Selection & Announcement

## 2-1. Miscellaneous

### Abstract Zone II, Level 1

🕒 2:00 PM ~ 3:10 PM

*Moderators* Deuk-Young Nah, Wasan Udayachalerm  
*Panelists* Francisco Jose Ayala Riquelme, Hung-Ru Huang, Po-Hsun Huang, Chul Soo Park

2:00 PM [TCTAP A-054]  
The Study Endothelial Nitric Oxide Synthase Enzyme of EPC Colonies in the Coronary Atherosclerosis  
*Sumiya Tserendavaa*

2:10 PM [TCTAP A-083]  
Development and Evaluation of Universal Stent Tester for Cardiovascular Stents  
*Jang Yong Kim*

2:20 PM [TCTAP A-086]  
Salvage of Venous Rupture by Stent Graft During Percutaneous Intervention of Dialysis Vascular Access  
*Ming-Chien Hsieh*

2:30 PM [TCTAP A-084]  
Multiple Genotypes Affect Warfarin Dose in Korean Patients.  
*Jia Xin Li*

2:40 PM [TCTAP A-082]  
Sirolimus Coated Balloon: Long Term Results from NANOLUTE Real World Study  
*Sameer Dani*

2:50 PM [TCTAP A-093]  
Effects of Statin Intensity on Clinical Outcomes in Acute Myocardial Infarction Patients  
*Doyeon Hwang*

3:00 PM Best Abstract Selection & Announcement

## 2-2. Complex PCI

### Abstract Zone II, Level 1

🕒 3:20 PM ~ 4:40 PM

*Moderators* Andrejs Erglis, Junko Honye  
*Panelists* Davide Capodanno, Lung-Ching Chen, Jong Min Lee, Keon-Woong Moon

3:20 PM [TCTAP A-045]  
Three-year Major Clinical Outcomes of Angiography-guided Single Stenting Technique in Non-complex Left Main Coronary Artery Diseases  
*Yong Hoon Kim*

3:30 PM [TCTAP A-032]  
Safety and Efficacy of Rotational Atherectomy with Large Burrs  
*Yuji Nishimoto*

3:40 PM [TCTAP A-119]  
Trans-ular Coronary Angiogram(CAG) and Percutaneous Coronary Intervention(PCI) Is a Safe and Effective Alternative Route than Conventional Trans-femoral and Trans-radial Route-our Experiences at Apollo Hospitals Dhaka  
*Ahm Waliul Islam*

3:50 PM [TCTAP A-117]  
A Comparison of Transradial and Transfemoral Percutaneous Coronary Intervention in Chinese Octogenarians Based on a Propensity Score Analysis  
*Yi Xu*

4:00 PM [TCTAP A-063]  
Prediction of Outcomes by Syntax Score in Multivessel and Left Main Coronary Artery Revascularization in Indian Patients and 'Syntax Plus' Score  
*Nandhakumar Vasu*

4:10 PM [TCTAP A-088]  
One-year Follow-Up of Stenting Versus Standard Balloon Angioplasty for the Below-knee Arteries in Korean Patients: A Propensity Score-matched Analysis  
*Jihun Ahn*

4:20 PM [TCTAP A-150]  
Outcomes of Percutaneous Coronary Intervention with Drug-eluting Stent in Patients with Total Occlusive In-stent Restenosis  
*Yong-Hoon Yoon*

4:30 PM Best Abstract Selection & Announcement

5:20 PM [TCTAP A-155]  
Clinical Impact of Periprocedural Myocardial Infarction According to Various Definitions in Patients Underwent Percutaneous Coronary Intervention with Drug-eluting Stent.  
*Yong-Hoon Yoon*

5:30 PM Best Abstract Selection & Announcement

## 2-3. Complex PCI

### Abstract Zone II, Level 1

🕒 4:40 PM ~ 5:40 PM

*Moderators* Vinay K. Bahl, Shiro Uemura  
*Panelists* Mohammad Liaquat Ali, Kenichi Fujii, Jun-Hee Lee, Hoon Ki Park

4:40 PM [TCTAP A-056]  
Impact of Increased High-sensitivity C-reactive Protein Level on 5-year Clinical Outcomes in Patients with Chronic Total Occlusion Lesion  
*Seung-Woon Rha*

4:50 PM [TCTAP A-152]  
Clinical Outcomes of Contemporary Drug-eluting Stents in Patients With and Without Diabetes Mellitus : Multi-Group Propensity-Score Analysis Using Data from Stent-Specific, Multi-Center, Prospective Registries  
*Osung Kwon*

5:00 PM [TCTAP A-154]  
The Clinical Impact of Radial Versus Femoral Access in Patients underwent Percutaneous Coronary Interventions with DES  
*Sang-Cheol Cho*

5:10 PM [TCTAP A-065]  
Novel Technique: Use of 'Mother in Child' Guideliner® Catheter as a Conduit for Optimal Visualization and Deployment of Stents in Coronary Ostial Lesions  
*Hiteshi Chauhan*

### 1-1. Complex PCI

#### Case Zone I, Level 1

🕒 2:00 PM ~ 3:20 PM

*Moderators* Dong Soo Kim, Thierry Lefevre  
*Panelists* Jang-Whan Bae, Yoshiaki Ito, Piyanart Preeyanont, Le Wang

2:00 PM [TCTAP C-075]  
Effective Utilization of a Separate Conus-septal Branch for the Treatment of the Chronic Total Occlusion in the Right Coronary Artery  
*Katsuyuki Hasegawa*

2:10 PM [TCTAP C-153]  
Simultaneous Multiple Very Late Stent Failure and Coronary Artery Spasm 8 Years After DES Implantation  
*Kiyotaka Tsuyuki*

2:20 PM [TCTAP C-074]  
A Complex Chronic Total Occlusion Case Requiring Stent Ablation with Rotablator  
*Hiroaki Matsuda*

2:30 PM [TCTAP C-122]  
Successful Treatment for Guidewire-induced Coronary Perforation with Micro-coil Embolization  
*Polpat Euswas*

2:40 PM [TCTAP C-017]  
Sudden Onset of Ventricular Septum Perforation During Primary Percutaneous Coronary Intervention Manifested as Unexpected Coronary Flow Disturbance  
*Tetsuya Nomura*

2:50 PM [TCTAP C-037]  
The Rule of Coronary Coil Embolisation in Coronary Artery Fistule  
*Risa Titis Wijayanti*

3:00 PM [TCTAP C-209]  
Frank Rupture of Radial Artery by Sharp Object  
*Rameshwar Bishnoi*

3:10 PM Best Challenging Case Selection & Announcement

### 1-2. Complex PCI

#### Case Zone I, Level 1

🕒 3:20 PM ~ 4:50 PM

*Moderators* Chi-Jen Chang, Kee-Sik Kim  
*Panelists* Jung-Sun Kim, Ping-Yen Liu, Yuichiro Maekawa, Ichiro Michishita

3:20 PM Invited Case Presentation: PCI in a Venous Graft  
*Abdullah Al Shafi Majumder*

3:30 PM [TCTAP C-018]  
Coronary Embolization Treated with Stenting in a Patient with Infective Endocarditis  
*Weon Kim*

3:40 PM [TCTAP C-092]  
Non-ST Elevation Myocardial Infarction with Double Chronic Total Occlusions  
*Tien-Chi Huang*

3:50 PM [TCTAP C-131]  
Successful Retrieval of the Dislodged Coronary Stent at Radial Artery by Using Gooseneck Snare via Trans-femoral Approach  
*Kanichi Otowa*

4:00 PM [TCTAP C-091]  
A Complex CTO and the Blind Spot  
*Jayakhanthan Kolanthaivelu*

4:10 PM [TCTAP C-031]  
Acute ST-segment Elevation Myocardial Infarction in Two Patients Associated with Severe Coronary Artery Ectasia and Intracoronary Thrombus  
*Junhua Ge*

4:20 PM [TCTAP C-123]  
Iatrogenic or Spontaneous Coronary Dissection, That Is the Question.  
*Said Benghezal*

4:40 PM [TCTAP C-021]  
Left Main Coronary Artery Disease in Primary Percutaneous Coronary Intervention for ST Elevation Myocardial Infarction with Pulmonary Edema  
*Veenu John*

4:40 PM Best Challenging Case Selection & Announcement

5:40 PM [TCTAP C-025]  
Acute Myocardial Infarction Related to Twisted and Compressed Saphenous Vein Graft Successfully Treated by Intravascular Ultrasound Guided Wiring  
*Satoshi Yamamoto*

5:50 PM Best Challenging Case Selection & Announcement

### 1-3. Complex PCI

#### Case Zone I, Level 1

🕒 4:50 PM ~ 6:00 PM

*Moderators* Dong Woon Jeon, Takeshi Kimura  
*Panelists* Andy Wai-Kwong Chan, Dong-Bin Kim, Fucheng Sun, Masahiro Yano

4:50 PM [TCTAP C-132]  
IVUS Guided LM Stent Crush Due to Lost LAD Stent  
*Sashko Zhezhovski*

5:00 PM [TCTAP C-011]  
Left Main Stem Stenting in Patient with Acute Coronary Syndrome and Comorbidities  
*Benjamin Leo Cheang Leng*

5:10 PM [TCTAP C-133]  
Unexpected Situation  
*Chanikarn Kanadern*

5:20 PM [TCTAP C-029]  
Percutaneous Coronary Intervention for the Chronic Total Occlusion in a Non Infarct-related Artery Prior to Intervention for Infarct-related Artery in Patients with Acute ST-elevation Myocardial Infarction  
*Takahiro Kusume*

5:30 PM [TCTAP C-060]  
Saphenous Vein Y-graft Intervention Using Double Kissing Crush Technique in a Patient After a Redo CABG  
*Muhammad Adnan Amin*



## 2-1. Complex PCI

### Case Zone II, Level 1

🕒 2:00 PM ~ 3:20 PM

**Moderators** Young Jin Choi, Marie-Claude Morice  
**Panelists** Osamu Doi, Bong-Ryeol Lee, Yongwhi Park, Hardja Priatna

2:00 PM [TCTAP C-049]  
Aggressive Lesion Modification to Avoid Two-stent Strategy in Shallow Angled Calcified Bifurcation  
*Rei Fukuhara*

2:10 PM [TCTAP C-090]  
Impact of Guiding Extension Catheter System at Percutaneous Coronary Intervention for Chronic Occlusion in the Ostial Lesion of Right Coronary Artery, Even in a Difficult Case of Guide Catheter Engagement  
*Yoshiaki Mibiki*

2:20 PM [TCTAP C-110]  
Let's Overturn the Kink!  
*Jonathan Gabriel Sung*

2:30 PM [TCTAP C-005]  
In the Midst of Chaos, There Is Also an Opportunity.  
*Pang Shuo Huang*

2:40 PM [TCTAP C-070]  
Chronic Total Occlusion(CTO) of Osteal Left Main Coronary Artery(LMCA)  
*Evi Supriadi Sukardi*

2:50 PM [TCTAP C-067]  
Successful PCI for CTO via the Previous Implanted Stent Strut in CPA Patient Treated with Hemodialysis  
*Nobuaki Igarashi*

3:00 PM [TCTAP C-082]  
Successful Ante Grade CTO Procedure with Cheap Resources: PT2 Moderate Support Hydrophilic Wire, One Balloon and Deep Engagement of the Guiding Catheter Far in the Vessel  
*Tarek Mohamed Abdel Aziz Elkholy*

3:10 PM Best Challenging Case Selection & Announcement

## 2-2. Complex PCI

### Case Zone II, Level 1

🕒 3:20 PM ~ 4:40 PM

**Moderators** Taek Jong Hong, Junya Shite  
**Panelists** Byoung-Joo Choi, Anek Kanoksilp, Gaku Nakazawa, Chong-Hiok Tan

3:20 PM [TCTAP C-206]  
Bystander Coronary Artery Lesion in Non-Ischaemic Cardiomyopathy: Should We Treat It?  
*Asri Bin Said*

3:30 PM [TCTAP C-038]  
2-vessel Coronary Artery Disease with Over 300µm Thick Calcification Treated by Cutting Balloon  
*Hirooki Higami*

3:40 PM [TCTAP C-107]  
No Reflow After Stent Deployment, How Should We Do?  
*Chen-Yuan Su*

3:50 PM [TCTAP C-068]  
Real-time Intravascular Ultrasound-guided Recanalization of Stumpless Chronic Total Occlusion on Both Sides Using a 7 Fr Catheter via Transradial Approach  
*Hsin Fu Lee*

4:00 PM [TCTAP C-052]  
Scoring Balloon in Emergency PCI: An Unlikely Match  
*Puti Sarah Saus*

4:10 PM [TCTAP C-013]  
Delivery System Stuck in the Coronary Artery Caused by the Stent Balloon Rupture  
*Kota Tanaka*

4:20 PM [TCTAP C-042]  
Entrapment of Balloon in Bifurcation Lesion PCI with Jailed Balloon Technique  
*Tepei Noda*

4:30 PM Best Challenging Case Selection & Announcement

## 2-3. Complex PCI

### Case Zone II, Level 1

🕒 4:40 PM ~ 6:10 PM

**Moderators** Jei Keon Chae, Sunarya Soerianata  
**Panelists** Debabrata Dash, Tetsuya Ishikawa, Min-Kyu Kim, Junjie Zhang

4:40 PM [TCTAP C-003]  
The Art of Tackling Thrombus  
*Ka Hei Ho*

4:50 PM [TCTAP C-096]  
CTO with Coronary Hematoma Treated with Scoring Balloon and Drug Coated Balloon  
*Chong Mow Chu*

5:00 PM [TCTAP C-093]  
Complex PCI for RCA Ostial Chronic Total Occlusion with Ostial Left Main Disease  
*Chun-Yuan Chu*

5:10 PM [TCTAP C-150]  
Acute ST Elevation Myocardial Infarction with Total Occluded Left Main Stem and Cardiogenic Shock - PCI or Emergency CABG?  
*Chi Yen Voon*

5:20 PM [TCTAP C-026]  
NSTEMI with DKA and Hypoxemia, PCI or Not?  
*Guodong Tang*

5:30 PM [TCTAP C-154]  
Sub-acute Stent Thrombosis Caused After DES Deployed in a Month  
*Munemitsu Otagaki*

5:40 PM [TCTAP C-117]  
'Swinging' of Diagnostic Catheter Tip During Cannulation: A Warning Sign of Cath Lab Disaster  
*Hou Tee Lu*

5:50 PM [TCTAP C-098]  
Crossing Left Anterior Descending Artery Chronic Total Occlusion Using Parallel Wire Technique and Intravascular Ultrasound Guidance  
*Wei Chieh Huang*

6:00 PM Best Challenging Case Selection & Announcement

### 3-1. Endovascular

📍 Case Zone III, Level 1

🕒 2:00 PM ~ 3:10 PM

Moderators In-Ho Chae, Horst Sievert  
Panelists Hiroshi Ando, Hyun-Sook Kim, Amane Kozuki,  
Tao-Cheng Wu

- 2:00 PM [TCTAP C-165]  
Special Carotid Intervention in  
Dextrocardia  
Bu Yuan Hsiao
- 2:10 PM [TCTAP C-176]  
Endovascular Hemostasis of  
Recurrent Bleeding from Mandibular  
Aneurysmal Bone Cyst After Tooth  
Extraction  
Timur Sagatadinov
- 2:20 PM [TCTAP C-174]  
To Revascularize or to Embolize, That  
Is the Question.  
Zheng-Wei Chen
- 2:30 PM [TCTAP C-160]  
Thoracic Endovascular Aortic Repair  
for Aortic Dissection Complicated  
with Disseminated Intravascular  
Coagulation  
Jeong Cheon Choe
- 2:40 PM [TCTAP C-159]  
Stones Get in the Way: Even the Aorta  
Chen-Yu Huang
- 2:50 PM [TCTAP C-166]  
Mycotic Pseudo-aneurysm of Carotid  
Artery Following Left Carotid Artery  
Stenting  
Prakas Chandra Mondal
- 3:00 PM Best Challenging Case Selection &  
Announcement

### 3-2. Endovascular

📍 Case Zone III, Level 1

🕒 3:10 PM ~ 4:20 PM

Moderators Yoon Haeng Cho, Ravish Sachar  
Panelists Naoki Hayakawa, Sang Woo Park,  
Abhishek Pravinchandra Raval, Keizo Yamamoto

- 3:10 PM [TCTAP C-168]  
Experience of Saving Quality of Life  
Liang-Ting Chiang
- 3:20 PM [TCTAP C-179]  
Acute Myocardial Infarction During  
Endovascular Procedure for Critical  
Limb Ischemia Patients with Pan-  
vascular Disease  
Tatsunori Noto
- 3:30 PM [TCTAP C-175]  
Successful PTA of an End-stage  
Critical Limb Ischemia by Deep  
Venous Arterialization Technique  
Chi-Yen Wang
- 3:40 PM [TCTAP C-169]  
Left Internal Carotid Artery Stenosis  
Post Stenting with Total Occlusion of  
the Stent and Total Occlusion of Left  
Common Carotid Artery  
Jia-Ling Lin
- 3:50 PM [TCTAP C-161]  
PTA with Stenting of Abdominal Aorta  
and Left CIA in Acute Limb Ischemia  
Kala Jeethender kumar Jain
- 4:00 PM [TCTAP C-177]  
Successful Balloon Pulmonary  
Angioplasty After Previous Pulmonary  
Endarterectomy  
Jen-Fang Cheng
- 4:10 PM Best Challenging Case Selection &  
Announcement

### 3-3. Endovascular

📍 Case Zone III, Level 1

🕒 4:20 PM ~ 5:30 PM

Moderators Lawrence A. Garcia, Woo Jung Park  
Panelists I-Ming Chen, Nobuhito Kaneko, Il Yi, Kan Zen

- 4:20 PM [TCTAP C-178]  
Say Yes to Relieving SVC Syndrome  
with Sequential Thrombolysis and  
Y-stenting  
Heng-Yu Pan
- 4:30 PM [TCTAP C-163]  
Successful Endovascular Aneurysm  
Repair of Abdominal Aorta Aneurysm  
with Bilateral Iliac Artery Stenosis  
Byungchul Son
- 4:40 PM [TCTAP C-182]  
Rescue Intervention After Three Days  
of Renal Ischemia Caused by Acute  
Complicated Type B Aortic Dissection  
Chi-Yao Huang
- 4:50 PM [TCTAP C-181]  
The Combination of Newly Designed  
Side-grooved Guiding Sheath  
and OUTBACK Catheter for the  
Endovascular Treatment of Superficial  
Femoral Artery Chronic Total  
Occlusion  
Yoshito Kadoya
- 5:00 PM [TCTAP C-167]  
Endovascular Recanalization of  
Common Carotid Artery Total  
Occlusion  
Jung-Chi Hsu
- 5:10 PM [TCTAP C-180]  
Above Knee Intervention: Reverse  
CART Technique & Nightmare  
Complication  
Babu Ezhumalai
- 5:20 PM Best Challenging Case Selection &  
Announcement



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23<sup>rd</sup> CARDIOVASCULAR SUMMIT  
**TCTAP2018**

Inspire the Next Generation!

CTO Live

Coronary Intervention

Percutaneous Valve Therapeutics

Endovascular Intervention

**SCIENTIFIC  
PROGRAM**

**MONDAY, APRIL 30**

Monday, April 30

Main Arena

54

### Live Case Session

📍 Main Arena, Level 3

🕒 8:10 AM ~ 9:20 AM

**Moderators** Myeong-Ki Hong, Patrick W. Serruys, Gregg W. Stone  
**Discussants** David R. Holmes, Yong Huo, Takeshi Kimura, Yean-Leng Lim, Bernhard Meier, Gary S. Mintz, Barry D. Rutherford, Teguh Santoso, Chiung-Jen Wu, Alan C. Yeung

8:10 AM **Asan Medical Center, Seoul, Korea: Case #1**

1<sup>st</sup> Operator : Seung-Jung Park  
2<sup>nd</sup> Operator : Do-Yoon Kang

**Asan Medical Center, Seoul, Korea: Case #2**

1<sup>st</sup> Operator : Duk-Woo Park  
2<sup>nd</sup> Operator : Pil Hyung Lee

**Asan Medical Center, Seoul, Korea: Case #3**

1<sup>st</sup> Operator : Jung-Min Ahn

### Opening of TCTAP 2018

📍 Main Arena, Level 3

🕒 9:20 AM ~ 10:00 AM

### "History of 40 Years PCI and Asian Perspectives"

**Moderators** David R. Holmes, Bernhard Meier, Seung-Jung Park, Patrick W. Serruys  
**Panelists** Myeong-Ki Hong, Yong Huo, Paul Hsien-Li Kao, Takeshi Kimura, Yean-Leng Lim, Gary S. Mintz, Barry D. Rutherford, Teguh Santoso, Gregg W. Stone, Chiung-Jen Wu, Alan C. Yeung

9:20 AM **Welcome & Introduction of TCTAP 2018**

Seung-Jung Park

9:25 AM **Congratulatory Remark**

Gregg W. Stone

### (Keynote Lectures)

#### The History of 40 Years of PTCA

9:30 AM **The History of 40 Years of PTCA**  
Patrick W. Serruys

9:42 AM **Asian Perspectives in 40 Years of PTCA**  
Yean-Leng Lim

9:54 AM **Panel Discussion**

### TCTAP Award 2018 "Master of the Masters"

📍 Main Arena, Level 3

🕒 10:00 AM ~ 10:17 AM

10:00 AM **Award Presentation**  
Seung-Jung Park

10:05 AM **[Special Lecture]  
Stroke Prevention in Non-Valvular Atrial Fibrillation**  
David R. Holmes

Monday, April 30

Endovascular Symposium

MONDAY, APRIL 30 | 55

### TCTAP Endovascular Symposium

📍 Valve Theater, Level 1

🕒 10:30 AM ~ 12:30 PM

**Moderators** Robert Bersin, Donghoon Choi, Yoshiaki Yokoi  
**Panelists** Hiroshi Ando, Masahiko Fujihara, Lawrence A. Garcia, Osamu Iida, Su Hong Kim, Young-Guk Ko, Jae-Hwan Lee, Michael S. Lee, Pil Hyung Lee, Ravish Sachar, Horst Sievert, Je Hwan Won, Hiroyoshi Yokoi

### EVT: Clear Doubt - Acute Limb Ischemia 2018

10:30 AM **DECISION Making: Endovascular vs. Surgical Approach**  
Hiroyoshi Yokoi

10:38 AM **Thrombectomy Using Jetstream/ Rotarex/Angiojet etc. Is Essential.**  
Lawrence A. Garcia

10:46 AM **Traditional Thrombectomy Using Catheter Suction/Thrombolysis Is Enough.**  
Jae-Hwan Lee

10:54 AM **Posttreatment Management for Prevention: What and How?**  
Donghoon Choi

11:02 AM **Interactive Discussion with Audience Q&A**

### Heavily Calcific Long Femoropopliteal Lesions: Soften the Hardness

11:07 AM **Wire Crossing Strategy in Heavily Calcific Long CTO in Difficult Situation**  
Hiroshi Ando

11:15 AM **Lesion Modification with Jetstream Is Better.**  
Su Hong Kim

11:23 AM **Lesion Modification with Turbohawk Is Better.**  
Pil Hyung Lee

11:31 AM **Lesion Grinding with Orbital Atherectomy Is Better.**  
Ravish Sachar

11:39 AM **Assessment of Vessel Calcification in SFA Lesions**  
Masahiko Fujihara

11:47 AM **Interactive Discussion with Audience Q&A**

### EVT Guidelines: What Has Been Changed?

11:53 AM **Aortoiliac Disease: EVT vs. Surgery**  
Young-Guk Ko

12:01 PM **Renal Artery Stenosis: Nothing to Do?**  
Robert Bersin

12:09 PM **Carotid Artery Stenosis: Optimal Candidate for Revascularization**  
Horst Sievert

12:17 PM **Appropriate Position for DCB and DES in Femoropopliteal Disease**  
Osamu Iida

12:25 PM **Interactive Discussion with Audience Q&A**

### Live Case & Lecture Session I

#### Coronary Theater, Level 1

2:00 PM ~ 3:30 PM

**Moderators** Andrejs Erglis, Seong-Wook Park  
**Discussants** Takashi Akasaka, Chiayu Chou, Kyoo-Rok Han, Kazushige Kadota, Chong-Jin Kim, Neal S. Kleiman, James R. Margolis, Shigeru Nakamura, Afzalur Rahman, Yasunori Ueda

#### 2:00 PM Asan Medical Center, Seoul, Korea: Case #1

1<sup>st</sup> Operator : Duk-Woo Park  
2<sup>nd</sup> Operator: Pil Hyung Lee

#### Asan Medical Center, Seoul, Korea: Case #2

1<sup>st</sup> Operator : Antonio Colombo  
2<sup>nd</sup> Operator: Do-Yoon Kang

### Debate: Physiology

- 3:00 PM iFR as the Gold Standard Index!  
Bon-Kwon Koo
- 3:10 PM FFR as the Gold Standard Index!  
Jung-Min Ahn
- 3:20 PM Panel Discussion

### Live Case & Lecture Session II

#### Coronary Theater, Level 1

3:30 PM ~ 5:00 PM

**Moderators** Roxana Mehran, Seung-Jung Park, Imad Sheiban  
**Discussants** Francisco Jose Ayala Riquelme, Wacim Buddhari, Rabindranath Chakraborty, Jilin Chen, Seung-Ho Hui, Jacques J. Koolen, Seung Uk Lee, Sunao Nakamura, Mitsuyasu Terashima, Fuminobu Yoshimachi

#### 3:30 PM Clinique Pasteur Toulouse, Groupe CardioVasculaire Interventionnel, France

1<sup>st</sup> Operator : Jean Fajadet  
2<sup>nd</sup> Operator : Benjamin Honton

### Featured Lecture

4:30 PM Optimal Balancing Ischemic and Bleeding Risks in Contemporary PCI Practice: TWILIGHT, GLOBAL-LEADER and More...  
Roxana Mehran

### Debate: Should All CTOs Be Opened?

4:40 PM Pro  
Gerald Werner

4:50 PM Con  
Seung-Jung Park

### Live Case Session III

#### Coronary Theater, Level 1

5:00 PM ~ 6:00 PM

**Moderators** Myung-Ho Jeong, Yves R. Louvard, Seung-Jung Park  
**Discussants** Charles Chan, Zhih-Cherng Chen, Wook Sung Chung, Hyeon-Cheol Gwon, Yutaka Hikichi, Indulis Kumsars, Kai Huat Lam, Ping Tim Tsui, Cheuk-Man Yu

#### 5:00 PM Chonnam National University Hospital, Korea : Case #1

1<sup>st</sup> Operator : Youngkeun Ahn  
2<sup>nd</sup> Operator : Ju Han Kim  
3<sup>rd</sup> Operator : Doo Sun Sim  
4<sup>th</sup> Operator : Yongcheol Kim

#### Chonnam National University Hospital, Korea : Case #2

1<sup>st</sup> Operator : Youngkeun Ahn  
2<sup>nd</sup> Operator : Young Joon Hong  
3<sup>rd</sup> Operator : Min Chul Kim  
4<sup>th</sup> Operator : Yongcheol Kim

#### Chonnam National University Hospital, Korea : Case #1, #2

Imaging Interpreters : Young Joon Hong, Yongcheol Kim

### Live Case & Lecture Session I

#### Valve Theater, Level 1

2:00 PM ~ 4:00 PM

**Moderators** Myeong-Ki Hong, John Graydon Webb  
**Discussants** Rosli Mohd Ali, Robert Bersin, Hyo-Soo Kim, Young-Guk Ko, Mao-Shin Lin, Abdullah Al Shafi Majumder, Kengo Tanabe, Tien-Ping Tsao, Cheuk-Man Yu, Kan Zen

#### 2:00 PM Asan Medical Center, Seoul, Korea: Case #1

1<sup>st</sup> Operator : Jung-Min Ahn

#### Asan Medical Center, Seoul, Korea: Case #2

1<sup>st</sup> Operator : Duk-Woo Park  
2<sup>nd</sup> Operator : Vinayak Bapat  
3<sup>rd</sup> Operator : Kyusup Lee

#### Asan Medical Center, Seoul, Korea: Case #1, #2

Echo Interpreter : Dae-Hee Kim

### Featured Lectures

- 3:30 PM Outcomes After TAVR in Bicuspid vs Tricuspid Aortic Valves: Results from a Multicenter Study with Propensity Matching  
Raj Makkar
- 3:40 PM Pathology of TAVR and Mitral Devices  
Renu Virmani
- 3:50 PM TAVI: How Minimalistic Can We Become?  
Thierry Lefevre

### Live Case & Lecture Session II

#### Valve Theater, Level 1

4:00 PM ~ 6:00 PM

**Moderators** Hyuk Ahn, Maurice Buchbinder, Horst Sievert  
**Discussants** Jason Leung Kwai Chan, Qiang Fu, Michael Haude, Paul Hsien-Li Kao, Varanit Lertsuwunseri, Darren L. Walters, Wojciech Wojakowski, Chi Yuen Wong, Jian (James) Ye

#### 4:00 PM Asan Medical Center, Seoul, Korea: Case #3

1<sup>st</sup> Operator : Jung-Min Ahn  
2<sup>nd</sup> Operator : Kentaro Hayashida  
3<sup>rd</sup> Operator : Kyusup Lee

#### Asan Medical Center, Seoul, Korea: Case #4

1<sup>st</sup> Operator : Raj Makkar  
2<sup>nd</sup> Operator : Yoon Seok Koh

#### Asan Medical Center, Seoul, Korea: Case #3, #4

Echo Interpreter : Dae-Hee Kim

### Featured Lectures

- 5:30 PM Clinical Trials in Functional Mitral Regurgitation  
Gregg W. Stone
- 5:40 PM Transcatheter Tricuspid Valve Repair  
Horst Sievert
- 5:50 PM WATCHMAN: Data Synthesis and Ongoing Trials  
David R. Holmes

## Spotlights of Major Clinical Studies with Expert Commentary

Room 104, Level 1

2:00 PM ~ 3:06 PM

*Moderators* Stephen G. Ellis, Alan C. Yeung  
*Discussants* Dominick J. Angiolillo, Maurice Buchbinder, Davide Capodanno, David J. Cohen, Tullio Palmerini, Darren L. Walters, Chiung-Jen Wu

2:00 PM ABSORB III, IV, Updated Meta, and More - Expert Future Expectation on Bioabsorbable Scaffolds  
 Gregg W. Stone

2:07 PM Discussion  
*Discussants* : Marie-Claude Morice, Stephen G. Ellis

2:11 PM Contemporary and Future Metallic DES: What Do We Expect More from Ongoing PCI Trials?  
 Alan C. Yeung

2:18 PM Discussion  
*Discussants* : Chiung-Jen Wu, Stephen G. Ellis

2:22 PM Rapid Changing TAVR Story: Predicting the Future from Ongoing TAVR Clinical Trials  
 Eberhard Grube

2:29 PM Discussion  
*Discussants* : Maurice Buchbinder, Darren L. Walters

2:33 PM Why DAPT Trial Not Followed?: Moving Forward Less Duration with Smart DES, De-Escalating Strategy, and P2Y12 Inhibitor Monotherapy  
 Dominick J. Angiolillo

2:40 PM Discussion  
*Discussants* : Davide Capodanno, David J. Cohen

2:44 PM Expanding Role of NOAC in PCI/AF, ACS, and Stable ASCVD: Recent Trials and Next Expectations  
 David J. Cohen

2:51 PM Discussion  
*Discussants* : Dominick J. Angiolillo, Tullio Palmerini

2:55 PM Multivessel PCI in AMI and Cardiogenic Shock: SHOCK Trial Series Review and Real-World Application  
 Davide Capodanno

3:02 PM Discussion  
*Discussants* : Chiung-Jen Wu, Alan C. Yeung

## 2018 New Data from AMC; Novel and More with Expert Commentary

Room 104, Level 1

3:06 PM ~ 4:56 PM

*Moderators* Gary S. Mintz, Patrick W. Serruys, Gregg W. Stone  
*Discussants* Davide Capodanno, Eberhard Grube, John McB. Hodgson, Ik-Kyung Jang, Bernhard Meier, Toshiya Muramatsu, Alan C. Yeung

3:06 PM To Treat or Not to Treat for Gray Zone FFR(0.76-0.80)  
 Seung-Jung Park

3:13 PM Discussion  
*Discussants* : John McB. Hodgson, Evelyn Regar

3:17 PM MAINCOMPARE: 10-Year Long-Term Results  
 Seung-Jung Park

3:24 PM Discussion  
*Discussants* : Bernhard Meier, Patrick W. Serruys

3:28 PM DECISION-CTO Trial: Updated QOL and Outcome Data  
 Seung-Whan Lee

3:35 PM Discussion  
*Discussants* : David J. Cohen, Toshiya Muramatsu

3:39 PM What Is the Best Contemporary DES for Left Main PCI?: In-Depth Analysis Using the Largest DB in the World  
 Pil Hyung Lee

3:46 PM Discussion  
*Discussants* : Patrick W. Serruys, Gregg W. Stone

## TCTAP 2018 - Featured Clinical Research from Abstracts

Room 104, Level 1

4:56 PM ~ 5:51 PM

*Moderators* Eberhard Grube, Alan C. Yeung  
*Panelists* Vinayak Bapat, Robert Bersin, Thierry Lefevre, Marie-Claude Morice, Yoshinobu Onuma, Tullio Palmerini, Teguh Santoso, Kishore Sieunarine

4:56 PM [TCTAP A-003] Prognosis and Predictors of Lesion Failure After Left Main Bifurcation Intervention: Pooled Analysis of Korean Multicenter Drug-eluting Stent Cohort  
 Tae-Min Rhee

5:03 PM Discussion  
*Discussants* : Alan C. Yeung, Thierry Lefevre

5:07 PM [TCTAP A-001] Treatment of Coronary DES Restenosis with a Sirolimus or Paclitaxel Coated Balloon  
 Rosli Mohd Ali

5:14 PM Discussion  
*Discussants* : Marie-Claude Morice, Teguh Santoso

5:18 PM [TCTAP A-005] Prosthesis-related Clinical Events and Long Term Performance Analysis After Transcatheter Aortic Valve Implantation  
 Luca Testa

5:25 PM Discussion  
*Discussants* : Eberhard Grube, Vinayak Bapat

5:29 PM [TCTAP A-002] Survival and Adverse Events in Patients with Acute Type B Aortic Dissection Who Received Endovascular Therapy or Medical Management Alone: A Population-based Cohort Study  
 I-Ming Chen

5:36 PM Discussion  
*Discussants* : Robert Bersin, Kishore Sieunarine

3:50 PM Differential Cutoff and Impact of Stent Length and Diameter with Contemporary DES: IRIS-DES Data  
 Chulhyun Lee

3:57 PM Discussion  
*Discussants* : James Flaherty, Alan C. Yeung

4:01 PM Routine Use of Fractional Flow Reserve in Clinical Practice: 5 Years Outcomes  
 Duk-Woo Park

4:08 PM Discussion  
*Discussants* : John McB. Hodgson, Bon-Kwon Koo

4:12 PM OPTIMA Trial: P2Y12 Dose Adjustment for East-Asian ACS Patients  
 Duk-Woo Park

4:19 PM Discussion  
*Discussants* : Gregg W. Stone, Davide Capodanno

4:23 PM FIMA-DEFER Trial: ARB for Plaque Stabilization  
 Do-Yoon Kang

4:30 PM Discussion  
*Discussants* : Ik-Kyung Jang, Gary S. Mintz

4:34 PM Device Closure Versus Medical Therapy in Patients with Cryptogenic Stroke and High-Risk Patent Foramen Ovale: The DEFENSE-PFO Trial  
 Jae-Kwan Song

4:41 PM Discussion  
*Discussants* : Teguh Santoso, Bernhard Meier

4:45 PM Delicate CT Algorithm for Complication-Zero TAVR Procedure  
 Do-Yoon Kang

4:52 PM Discussion  
*Discussants* : Eberhard Grube, John Graydon Webb

## Monday, April 30

### Partnership Sessions with International Societies and Meetings

5:40 PM [TCTAP A-004]  
A Prospective, Multi-center Registry  
to Assess the Novel Sirolimus-eluting  
Stent with Unique Fusion Coating  
for Coronary Revascularization in  
Real World Population: The en-ABL  
e-registry  
*Sameer Dani*

5:47 PM Discussion  
*Discussants: Yoshinobu Onuma, Tullio Palmerini*

#### TCT @ TCTAP 2018

Co-Organized by TCT

📍 Coronary Theater, Level 1

🕒 10:30 AM ~ 12:30 PM

#### Part I: 40<sup>th</sup> Anniversary of PCI

*Moderators* Gary S. Mintz, Gregg W. Stone  
*Panelists* Rabindranath Chakraborty, Paul Hsien-Li Kao,  
James R. Margolis, Marie-Claude Morice,  
Duk-Woo Park, Kyung Woo Park,  
Seung-Jung Park, Patrick W. Serruys,  
Chuck Simonton, Huay Cheem Tan

10:30 AM Fortieth Anniversary of Percutaneous  
Coronary Intervention: A Video  
Documentary Introduction  
*Gary S. Mintz*

11:02 AM Panel Discussion with Personal  
Reminiscences

#### Part II: Best of TCT Late Breaking Clinical Trials and First Report Investigations

*Moderators* Seung-Jung Park, Gregg W. Stone  
*Panelists* David J. Cohen, Stephen G. Ellis,  
William F. Fearon, Eberhard Grube,  
Kambis Mashayekhi, Roxana Mehran,  
Gary S. Mintz, Imad Sheiban, Gerald Werner,  
Alan C. Yeung

11:15 AM PARTNER 2A and SAPIEN 3 Cost-  
Effectiveness: Cost-effectiveness of  
TAVR Versus SAVR in Intermediate  
Risk Patients with Aortic Stenosis  
*David J. Cohen*

11:22 AM Panel Discussion

11:27 AM DKCRUSH-V: A Randomized Trial  
of Double Kissing Crush Versus  
Provisional Stenting for Treatment of  
Distal Left Main Bifurcation Lesions  
*Imad Sheiban*

11:34 AM Panel Discussion

## Monday, April 30

### TCTAP Award

#### TCTAP Award 2018 "Best Young Scientist Award"

📍 Room 104, Level 1  
🕒 5:51 PM ~ 6:00 PM

5:51 PM Award Presentation  
*Alan C. Yeung*

11:39 AM ABSORB IV: 30-day Outcomes from a  
Randomized Trial of a Bioresorbable  
Scaffold Versus a Metallic DES in  
Patients with Coronary Artery Disease  
*Gregg W. Stone*

11:46 AM Panel Discussion

11:51 AM FAME 2: 3-year Clinical and Cost-  
effectiveness Outcomes of FFR-  
guided PCI in Patients with Coronary  
Artery Disease  
*William F. Fearon*

11:58 AM Panel Discussion

12:03 PM HARMONEE: A Randomized Trial  
of a Bioabsorbable Polymer-based  
DES with a Luminal CD34+ Antibody  
Coating Versus a Durable Polymer-  
based DES in Patients with Coronary  
Artery Disease  
*Roxana Mehran*

12:10 PM Panel Discussion

12:15 PM REVASC: A Randomized Trial to  
Assess Recovery of Left Ventricular  
Function After PCI of Coronary Artery  
Chronic Total Occlusions  
*Kambis Mashayekhi*

12:22 PM Panel Discussion



## 1-4. Structural Heart Disease

## 📍 Abstract Zone I, Level 1

🕒 2:00 PM ~ 3:30 PM

Moderators Nobuyuki Komiyama, Jian (James) Ye  
 Panelists Wacin Buddhani, Cheol Ung Choi, Won-Jang Kim, Kei Sato

2:00 PM [TCTAP A-157]  
 Clinical Impact of Baseline Right Bundle Branch Block in Patients Undergoing Transcatheter Aortic Valve Replacement.  
 Euihong Ko

2:10 PM [TCTAP A-111]  
 Comparison of Early Clinical Outcomes of Transcatheter Aortic Valve Replacement Between Low to Intermediate and High Surgical Risk Patients with Severe Aortic Stenosis  
 Hyungdon Kook

2:20 PM [TCTAP A-112]  
 Aorto-ventricular Angulation Does Not Impact on Device Success in Transcatheter Aortic Valve Replacements with the Lotus Valve System  
 Hashrul Rashid

2:30 PM [TCTAP A-114]  
 New Technique of Transseptal Mitral Paravalvular Leak Closure with a Steerable Sheath  
 Wojciech Wojakowski

2:40 PM [TCTAP A-115]  
 Cerebral Protection During Transcatheter Aortic Valve Implantation: An Updated Systematic Review and Meta-analysis  
 Luca Testa

2:50 PM [TCTAP A-116]  
 Transcatheter Aortic Valve Implantation of a Self-expandable Valve for Pure Aortic Regurgitation Without Aortic Valve Calcification  
 Wei-Hsien Yin

3:00 PM [TCTAP A-067]  
 A Single-centre Experience of ASA in 24 Patients Younger than 35 Years  
 Maksim Kashtanov

3:10 PM [TCTAP A-113]  
 Impact of Mitral Annular Calcification on Immediate Hemodynamic and Echocardiographic Results of Percutaneous Transvenous Mitral Commissurotomy in Patients of Symptomatic Mitral Stenosis  
 Toufiqur Rahman

3:20 PM Best Abstract Selection & Announcement

## 1-5. Endovascular Intervention

## 📍 Abstract Zone I, Level 1

🕒 3:30 PM ~ 4:50 PM

Moderators Donghoon Choi, Piotr Odrowaz-Pieniazek  
 Panelists Jong-Pil Park, Fabio Enrique Posas, Ichihashi Shigeo, Ryo Yoshioka

3:30 PM [TCTAP A-035]  
 Impact on Aortic Diameter After Treatment for Isolated Iliac Artery Aneurysm Depending on Treatment Options  
 Jang Yong Kim

3:40 PM [TCTAP A-036]  
 The Outcomes of Endovascular Treatment in Steno-occlusive Lesions of the Infra-renal Abdominal Aorta  
 Wataru Takeuchi

3:50 PM [TCTAP A-037]  
 Clinical Outcomes of Ruptured AAA in Single Hospital  
 Jin Go

4:00 PM [TCTAP A-089]  
 Are There Gender Differences

in 5-Year Clinical Outcomes Following Successful Endovascular Revascularization for Peripheral Arterial Disease?  
 Seung-Woon Rha

4:10 PM [TCTAP A-090]  
 Impact of Vessel Size on Stent Patency Following Self-expanding Stents Implantation in Superficial Femoral Artery Lesions  
 Kojiro Miki

4:20 PM [TCTAP A-091]  
 Results of Endovascular Treatment for TASC Type D Aorto-iliac Chronic Total Occlusion Lesions  
 Han Cheol Lee

4:30 PM [TCTAP A-053]  
 Outcome of Carotid Artery Stenting in Patient with Combined Carotid and Coronary Artery Disease  
 Mohammad Reza Juniery Pasciolly

4:40 PM Best Abstract Selection & Announcement

## 1-6. Miscellaneous

## 📍 Abstract Zone I, Level 1

🕒 4:50 PM ~ 6:10 PM

Moderators Aloke V. Finn, Pintoko Tedjokusumo  
 Panelists Abd Syukur Abdullah, Chi-Yao Huang, Hyun-Jae Kang, Han-Mo Yang

4:50 PM [TCTAP A-068]  
 Long-term Outcome of Repeated Alcohol Septal Ablations in Patients with Obstructive Hypertrophic Cardiomyopathy: A Single-centre Experience  
 Maksim Kashtanov

5:00 PM [TCTAP A-061]  
 Percutaneous Closure of

Perimembranous Ventricular Septal Defects Using Patent Ductus Arteriosus Closure Device: 5-year Follow-Up Prospective Cohort Study  
 Quang Phan Tan

5:10 PM [TCTAP A-069]  
 Assessment of Coronary Stents Strength with the Recreated Model of Myocardial Bridge  
 Timur Sagatdinov

5:20 PM [TCTAP A-070]  
 Innovative Care Model Can Reduce Radiation Exposure in Patients Received Percutaneous Coronary Intervention Patients.  
 Wei-Chun Huang

5:30 PM [TCTAP A-153]  
 Long-term Mortality of Vasospastic Angina Presented with ST-segment Depression on Electrocardiogram: Data from Asan Vasospastic Angina Registry  
 Hanbit Park

5:40 PM [TCTAP A-075]  
 Usefulness of Transcutaneous Pressure of Oxygen (TcPO2) for Critical Limbs Ischemia (CLI)  
 Jin Go

5:50 PM [TCTAP A-145]  
 Contrast Induced Nephropathy in Very Elderly Patients Undergoing Percutaneous Coronary Intervention for Acute Coronary Syndrome  
 Abdullah M.A. Shehab

6:00 PM Best Abstract Selection & Announcement

## 2-4. DES &amp; BVS

## 📍 Abstract Zone II, Level 1

🕒 2:00 PM ~ 3:30 PM

*Moderators* Si-Hoon Park, Takehiro Yamashita  
*Panelists* Peter Barlis, Solaiman Hossain, Jin Bae Lee, Seung-Jin Oh

2:00 PM [TCTAP A-051]  
 Comparative Effectiveness of Different Contemporary Drug-eluting Stents in Routine Clinical Practice: Multigroup Propensity-Score Analysis Using Data from the Stent-Specific, Multi-Center, Prospective Registries  
*Osung Kwon*

2:10 PM [TCTAP A-100]  
 Polymer-free Versus Biodegradable Polymer Drug-eluting Stents for the Treatment of Coronary Artery Disease: A Meta-analysis of Randomized Trials  
*Sean Tan*

2:20 PM [TCTAP A-098]  
 Differential Clinical Outcomes Between Angiographic Complete Versus Incomplete Coronary Revascularization, According to the Presence of Chronic Kidney Disease in the Drug-eluting Stent Era  
*Jihoon Kim*

2:30 PM [TCTAP A-101]  
 Comparison of Hydrophilic Polyethylene Glycol-coating Stent and Hydrophobic Octadecyl Thiol-coating Stent Implantation in Porcine Coronary Restenosis Model  
*Jeong Cheon Choe*

2:40 PM [TCTAP A-103]  
 Mechanisms of In-stent Restenosis in Hemodialysis Patients  
*Norihito Nakamura*

2:50 PM [TCTAP A-052]  
 Everolimus Eluting Bioresorbable Vascular Scaffolds for the Treatment of Diffuse Coronary Artery Disease: Technical Challenges and Long-term Outcomes  
*Babu Ezhumalai*

3:00 PM [TCTAP A-049]  
 3-year Follow-Up Results of Real World Experience of Bio Resorbable Vascular Scaffolds (BRS) Deployment in Asian Patients: BRS 3-year Follow-Up Study  
*Tapan Ghose*

3:10 PM [TCTAP A-102]  
 Evaluation of Safety and Efficacy of Sirolimus-eluting Coronary Stent Yukon Choice Flex in All-comer Coronary Artery Disease Patients: A Single Center Experience  
*Sridhar Kasturi*

3:20 PM Best Abstract Selection & Announcement

## 2-5. DES &amp; BVS

## 📍 Abstract Zone II, Level 1

🕒 3:30 PM ~ 5:00 PM

*Moderators* Jeong Hyun Kim, Atsushi Takagi  
*Panelists* William Chi Kin Chan, Nicolas Foin, Indulis Kumsars, Jong Seon Park

3:30 PM [TCTAP A-099]  
 Short and Long Term Safety of Polymer-free Versus Durable Polymer Drug-eluting Stents for Coronary Artery Disease: A Comprehensive Meta-analysis of Randomized Trials Including 6,943 Patients  
*Sean Tan*

3:40 PM [TCTAP A-104]  
 Clinical Outcomes of Amphiphilic Drug Eluting Stents in an All-comers Southeast Asian Registry  
*Dasdo Antonius Sinaga*

3:50 PM [TCTAP A-106]  
 Ultra-long Coronary Artery Drug Eluting Stents: Outcome from Real World Tertiary Centre Experience  
*Yau Piow Ng*

4:00 PM [TCTAP A-108]  
 Thrombus Burden Is Significantly Less in Drug-eluting Stent than in Bare Metal Stent at 3-week Follow-Up After ST-segment Elevation Myocardial Infarction: An Optical Coherence Tomography Study  
*Nobuhiro Sato*

4:10 PM [TCTAP A-107]  
 Real World Experience of the Biomimetic Morph Tapered Stent in a Tertiary Care Hospital  
*Sanjai Pattu Valappil*

4:20 PM [TCTAP A-109]  
 Safety of Longer Size Stent in Treating De Novo Long Coronary Lesion - No ISR at 1.6-year Follow-Up: Experiences at Our Center  
*Shams Munwar*

4:30 PM [TCTAP A-105]  
 Safety and Efficacy of a Novel Everolimus-eluting Stent System in 'Real-world' Patients with Coronary Artery Disease: A Report of 1-year Outcomes from Ongoing 'See-real' Registry  
*Sridhar Kasturi*

4:40 PM [TCTAP A-050]  
 2-year Outcome of Direct Bioresorbable Vascular Scaffold (BRS) Deployment in Highly Selective STEMI Lesions: Direct BRS Pilot Study Follow-Up  
*Tapan Ghose*

4:50 PM Best Abstract Selection & Announcement

## 2-6. Imaging

## 📍 Abstract Zone II, Level 1

🕒 5:00 PM ~ 6:30 PM

*Moderators* Takashi Akasaka, John McB. Hodgson  
*Panelists* Ziad A. Ali, So-Yeon Choi, William Kongto Hau, Evelyn Regar

5:00 PM [TCTAP A-076]  
 High-speed Pullback IVUS Could Contribute to the Accurate Length Measurement in Clinical Situation.  
*Shimpei Nakatani*

5:10 PM [TCTAP A-077]  
 Prognostic Significance of Extracellular Volume Evaluated by Cardiac Magnetic Resonance Imaging for Patients with Acute Myocardial Infarction  
*Masaki Ishiyama*

5:20 PM [TCTAP A-078]  
 Subclinical Leaflet Thrombosis in Transcatheter and Surgical Bioprosthetic Aortic Valve Detected by Multidetector Computed Tomography Is Associated with Adverse Cerebrovascular Events: A Meta-analysis of Observational Studies  
*Hashrul Rashid*

5:30 PM [TCTAP A-095]  
 Comparison of the Long-term Clinical Outcomes Between Revascularization and Medical Therapy in Patients with Silent Ischemia  
*Ki Hong Choi*

5:40 PM [TCTAP A-097]  
 Angiographic Fractional Flow Reserve Estimated from Single Plane and Biplane Acquisitions: Agreement with Invasive Fractional Flow Reserve  
*Jiro Ando*

5:50 PM [TCTAP A-079]  
 Non-invasive Coronary Physiologic Study Based on Computational Analysis of Intracoronary Transluminal Attenuation Gradient  
*Jin-Ho Choi*

- 6:00 PM [TCTAP A-096]  
Relation Between Fractional Flow Reserve and Cardiac Events in Coronary Artery Disease  
*Wei-Ting Wang*
- 6:10 PM [TCTAP A-080]  
Strain Analysis Using Speckle Tracking Echocardiography for Detection of Coronary Artery Disease in Patients of Chronic Stable Angina with No Regional Wall Motion Abnormality at Rest  
*Md Saqif Shahriar*
- 6:20 PM Best Abstract Selection & Announcement

#### 1-4. Complex PCI

📍 Case Zone I, Level 1

🕒 2:00 PM ~ 3:20 PM

- Moderators *Boron CW Cheng, Sang Wook Kim*  
Panelists *Jaclyn Chi Lin Chan, Jang-Young Kim, Jiunn Wen Lin, Januar Wibawa Martha*
- 2:00 PM [TCTAP C-041]  
Is There Any Complex Bifurcation?  
*Ho Lam*
- 2:10 PM [TCTAP C-061]  
Hybrid PCI with BVS & DES in Complex & Calcified Lesion  
*Po-sen Peng*
- 2:20 PM [TCTAP C-084]  
The Greatest Mystery of All Is the Human Heart.  
*Mon Myat Oo*
- 2:30 PM [TCTAP C-079]  
Open CTO After Primary PCI - To Defeat Acute Heart Failure After STEMI  
*Tung-Lin Tsui*
- 2:40 PM [TCTAP C-047]  
Delayed Stenting and RePOT Technic in Acute Thrombotic Distal Left Main Stenosis Involving the Left Anterior Descending Artery  
*Nazim Megherbi*
- 2:50 PM [TCTAP C-078]  
Retrograde PCI via Occluded Saphenous Vein Graft(SVG) for LCX Chronic Total Occlusion  
*Shozo Ishihara*
- 3:00 PM [TCTAP C-012]  
Successful Primary PCI in a Patient with Single Coronary Artery  
*Kush Kumar Bhagat*
- 3:10 PM Best Challenging Case Selection & Announcement

#### 1-5. Complex PCI

📍 Case Zone I, Level 1

🕒 3:20 PM ~ 4:40 PM

- Moderators *Balachandran Kandasamy, Jae-Ki Ko*  
Panelists *Chun-Yuan Chu, Eric Cho Tek Hong, Kitigon Vichairuangthum, Ze-Sheng Xu*
- 3:20 PM [TCTAP C-157]  
Challenging Revascularization of Coronary In-stent CTO: Never Celebrate Too Early  
*Guo-Shiang Tseng*
- 3:30 PM [TCTAP C-138]  
Crushed Stent Caused by Balloon Stuck Due to a Severely Calcified Lesion  
*Junya Seki*
- 3:40 PM [TCTAP C-151]  
High Risk Intervention in Non-ST-segment Elevation Myocardial Infarction Supported by Intra-aortic Balloon Pump  
*Jun-Won Lee*
- 3:50 PM [TCTAP C-080]  
Stasis Contrast Guide Retrograde Wiring for Very Tortuous Epicardial Collateral Channel for RCA Chronic Total Occlusion Lesion  
*Chun Hung Su*
- 4:00 PM [TCTAP C-135]  
Unexpected Rescue After an Easy Stent Implantation  
*Ruqiong Nie*
- 4:10 PM [TCTAP C-136]  
Episternocardica Pericarditis After Primary Percutaneous Intervention in LAD  
*Fritz Alfred Tandean*
- 4:20 PM [TCTAP C-137]  
Ostial Left Main Occlusion During Cag - A Catastrophe Unforeseen  
*Jayanta Saha*
- 4:30 PM Best Challenging Case Selection & Announcement

#### 1-6. Complex PCI

📍 Case Zone I, Level 1

🕒 4:40 PM ~ 6:00 PM

- Moderators *Kyoo-Rok Han, Kin Lam Tsui*  
Panelists *Barakath Badusha Abdul Kareem, Sung Gyun Ahn, Amin Ariff Nuruddin, Biao Xu*
- 4:40 PM [TCTAP C-059]  
Difficult Bifurcation ISR: How Efforts to Repeat PCI Can Buy Us Time  
*Ching-Han Liu*
- 4:50 PM [TCTAP C-203]  
Usefulness of IVUS Guided PCI for ACS Case  
*Hiroyuki Sueyoshi*
- 5:00 PM [TCTAP C-097]  
Successful PCI to RCA CTO with Extended Reverse CART Technique  
*Haeng Nam Park*
- 5:10 PM [TCTAP C-204]  
The Value of Intravascular Ultrasound in Aiding a Difficult Myocardial Infarction  
*Sohail Q. Khan*
- 5:20 PM [TCTAP C-100]  
Right Coronary Artery Chronic Total Occlusion  
*Gang Liu*
- 5:30 PM [TCTAP C-140]  
Successful Retrieval of a Coronary Stent Entrapment at the Proximal LAD Stent Strut Which Protrude to Left Main  
*Susi Hermingsih*
- 5:40 PM [TCTAP C-058]  
Left Main Bifurcation Stenting Under Intravascular Ultrasound Guidance  
*Debasis Mitra*
- 5:50 PM Best Challenging Case Selection & Announcement

## 2-4. Complex PCI

📍 Case Zone II, Level 1

🕒 2:00 PM ~ 3:20 PM

Moderators Weon Kim, Ji-Hung Wang  
 Panelists Yoshihide Fujimoto, Shiro Ono, Kin Ming Tam, Myeong-Ho Yoon

2:00 PM [TCTAP C-032]  
 The Stentless Strategy with Direct Coronary Atherectomy and Drug-coated Balloon Was Useful for Young and Bleeding Risk Case  
*Takamasa Tanaka*

2:10 PM [TCTAP C-108]  
 Impacted Retrograde Corsair Microcatheter Together with Wire in Retrograde Approach of RCA Chronic Total Occlusion  
*Tse-Husan Yang*

2:20 PM [TCTAP C-106]  
 An Interventionalists' Nightmare: Iatrogenic Aortic Dissection from Left Main Coronary Artery  
*Chun Kai Chen*

2:30 PM [TCTAP C-114]  
 False Lumen Stenting with Spiral Dissection Is Rescued by Retrograde Re-wiring  
*Sou-Chan Tsai*

2:40 PM [TCTAP C-065]  
 Child-in-Mother Technique During Reverse CART Technique for RCA CTO  
*Yuzo Akita*

2:50 PM [TCTAP C-071]  
 The Neointimal Formation of Everolimus-eluting Stent Implanted in the Subintimal Space at Chronic Phase with Optical Coherence Tomography  
*Akinori Sumiyoshi*

3:00 PM [TCTAP C-196]  
 Post Renal Transplant with Thrombus in LM: Will OCT Make a Difference?  
*Jabir Abdullakutty*

3:10 PM Best Challenging Case Selection & Announcement

## 2-5. Complex PCI

📍 Case Zone II, Level 1

🕒 3:20 PM ~ 4:30 PM

Moderators Charles Chan, Kyung Soo Kim  
 Panelists Jae-Sik Jang, Sung Uk Kwon, Linda Lison, Ajit Mulasari

3:20 PM [TCTAP C-126]  
 Thrombus Management During Intervention for an Occluded Right Coronary Artery  
*Chang-Jen Chen*

3:30 PM [TCTAP C-200]  
 Chronic Left Main and Left Anterior Descending Dissection in a Young Woman: Optical Coherence Tomography Role to Indicate Optimal Treatment  
*Luca Testa*

3:40 PM [TCTAP C-020]  
 Sometimes, No Imaging Is Needed.  
*Purich Surunchupakorn*

3:50 PM [TCTAP C-087]  
 On the Horns of a Dilemma: How to Treat Triple Vessel Disease?  
*Chi-Wei Wang*

4:00 PM [TCTAP C-019]  
 An Anomalous Origin of Left Circumflex Coronary Artery in Acute Coronary Syndrome  
*Paskalis Indra*

4:10 PM [TCTAP C-094]  
 Retrograde PTCA Stent to RCA-post CABG Status  
*Sai Ravi Shanker A*

4:20 PM Best Challenging Case Selection & Announcement

## 2-6. Complex PCI

📍 Case Zone II, Level 1

🕒 4:30 PM ~ 5:50 PM

Moderators Min Su Hyon, Hany Ragy  
 Panelists Hyo Seung Ahn, Kazuhiro Ashida, Kwok Lun Lee, Simon Lo

4:30 PM [TCTAP C-089]  
 Bidirectional Approach to Chronic Total Occlusion of the Left Circumflex Artery with Single Guiding Catheter Using the Wire Rendezvous Technique and Chasing Wire Technique  
*Keisuke Nakabayashi*

4:40 PM [TCTAP C-144]  
 Successful Percutaneous Coronary Intervention with Mechanical Back-up Support in a Patient with Eisenmenger's Syndrome  
*Byung Gyu Kim*

4:50 PM [TCTAP C-134]  
 Dislodged Stent: Don't Let Me Go  
*Julian Hock Chuan Tey*

5:00 PM [TCTAP C-057]  
 LM Trifurcation with Sequent Missing Vessel and Thrombus  
*Hui Li*

5:10 PM [TCTAP C-155]  
 Stent Entrapment and Embolization  
*Sahela Nasrin*

5:20 PM [TCTAP C-099]  
 Successful PTCA of Complex In-stent Chronic Total Occlusion Lesions Using Conquest Pro Wire  
*Saurabh Goel*

5:30 PM [TCTAP C-101]  
 Ping-pong Technique for CTO  
*Minsoo Kim*

5:40 PM Best Challenging Case Selection & Announcement

## 3-4. Endovascular

📍 Case Zone III, Level 1

🕒 2:00 PM ~ 3:20 PM

Moderators Seung-Woon Rha, Kishore Sieunarine  
 Panelists I-Ming Chen, Osamu Iida, Han Cheol Lee, Daisuke Yokota

2:00 PM [TCTAP C-170]  
 The Treatment Strategies in Complex Carotid Intervention, with Concomitant Triple Vessels Diseases of Coronary Arteries  
*Sheng-Fu Liu*

2:10 PM [TCTAP C-171]  
 Acute Basilar Artery Total Occlusion Salvaged with Stent Retriever by Combined Neurology/Cardiology Team  
*Shih-Wei Meng*

2:20 PM [TCTAP C-187]  
 Successful Superficial Femoral Artery Intervention by Aspiration of Vascular Intima as Embolus  
*Wataru Takeuchi*

2:30 PM [TCTAP C-184]  
 A Wave of More than a Fold  
*Chun-Wei Lee*

2:40 PM [TCTAP C-162]  
 Stent Graft Implantation for Right Innominate Artery After Replacement of Hemiarch and Ascending Aorta  
*Han Saem Jeong*

2:50 PM [TCTAP C-183]  
 How to Manage Spontaneous Renal Artery Dissection (SRAD) Better?  
*Chieh-yu Chen*

3:00 PM [TCTAP C-195]  
 How Not to Do a Case...?  
*Priya Kubendiran*

3:10 PM Best Challenging Case Selection & Announcement

## 3-5. Endovascular

## 📍 Case Zone III, Level 1

🕒 3:20 PM ~ 4:30 PM

*Moderators* Seung Hyuk Choi, Hiroyoshi Yokoi  
*Panelists* Farhat Fouladvand, Sang-Ho Park,  
 Yoshinori Tsubakimoto, Bryan Ping-Yen Yan

- 3:20 PM [TCTAP C-186]  
 One-stage Endovascular Treatment  
 for Complicated Peripheral Arterial  
 Occlusive Disease with Multiple  
 Segmental Lesions  
*Nai-Yu Chi*
- 3:30 PM [TCTAP C-172]  
 Successful Endovascular Treatment  
 of Brachiocephalic Artery Aneurysm  
*Duck-Hyun Jang*
- 3:40 PM [TCTAP C-173]  
 Endovascular Treatment for Complex  
 Carotid Artery Stenosis  
*I-Fan Liu*
- 3:50 PM [TCTAP C-188]  
 External Iliac Artery Occlusion Treated  
 with Proximal Protection Using  
 Sheathless OPTIMO®  
*Isao Aburadani*
- 4:00 PM [TCTAP C-190]  
 Kissing Stent Technique for Managing  
 Maldeployed Stent in Common Iliac  
 Artery Stenosis  
*Izzati Nadiyah Rahmawati*
- 4:10 PM [TCTAP C-185]  
 Successful Endovascular Treatment  
 of Isolated Dissection of Superior  
 Mesenteric Artery with Ambiguous  
 IVUS Finding  
*Hitoshi Anzai*
- 4:20 PM Best Challenging Case Selection &  
 Announcement

## 3-6. Endovascular

## 📍 Case Zone III, Level 1

🕒 4:30 PM ~ 5:40 PM

*Moderators* Taehoon Ahn, Naoto Inoue  
*Panelists* Kiyotaka Iwasaki, Congnam Pham,  
 Takuma Tsuda, Tien-Yu Wu

- 4:30 PM [TCTAP C-189]  
 How to Treat, in Stages, a 59-year-  
 old Diabetic Woman Suffering from  
 Coronary Artery Disease with Triple  
 Vessel and Left Main Disease and  
 Bilateral Superficial Femoral Artery  
 Severe Stenosis  
*Feng-Ching Yang*
- 4:40 PM [TCTAP C-191]  
 Successful Revascularization for  
 Long Chronic Total Occlusion from  
 External Iliac Artery to Superficial  
 Femoral Artery by Multidirectional  
 Approach via Failed Femoro-femoral  
 and Femoropopliteal Artery Bypass  
 Grafting  
*Satoru Takaesu*
- 4:50 PM [TCTAP C-192]  
 Open Surgical Inferior Vena Cava Filter  
 Retrieval for Caval Perforation Using a  
 Cell Saver System and Fluoroscopy  
*Joon Hyuk Kong*
- 5:00 PM [TCTAP C-193]  
 Critical Lower Limb Ischemia Due to  
 Essential Thrombocytosis  
*Noritoshi Hiranuma*
- 5:10 PM [TCTAP C-194]  
 Endovascular Intervention for Stenosis  
 Superior Mesenteric Artery  
*Mohammad Reza Juniery Pasciolli*
- 5:20 PM [TCTAP C-164]  
 Endovascular Treatment of Thoracic  
 Aortic Arch Aneurysm: Using Window  
 Shaped Fenestrated Stent Graft  
*Han Cheol Lee*
- 5:30 PM Best Challenging Case Selection &  
 Announcement

## Nurse Continuous Education Course

Organized by Korean Nurses Association

\* Only pre-registered persons through Korean Nurses Association  
 are allowed to participate.

## 📍 Room 202, Level 2

🕒 8:00 AM ~ 5:10 PM

- 8:00 AM Ischemic Heart Disease and  
 Antiplatelet Agents  
*Se Hun Kang*
- 8:50 AM Break
- 9:00 AM The Latest Knowledge of Coronary  
 Intervention  
*Jong-Young Lee*
- 9:50 AM Break
- 10:00 AM Coronary Intervention and Nursing  
 Care 1: Post Care for PCI  
*Seo Jin Lim*
- 10:50 AM Break
- 11:00 AM Coronary Intervention and Nursing  
 Care 2: Cardiac Rehabilitation  
*Seo Jin Lim*
- 11:50 AM Lunch Time
- 1:30 PM The Correlation Between the Patients  
 with Ischemic Heart Disease and ECG  
*Eun-Shim Park*
- 3:10 PM Discussion
- 3:30 PM Cardiac Imaging Test- CT, MRI, SPECT,  
 ECHO  
*Hyun Ju Kim*



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## 23<sup>rd</sup> CARDIOVASCULAR SUMMIT **TCTAP2018**

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Coronary Intervention  
Percutaneous Valve Therapeutics  
Endovascular Intervention

## SCIENTIFIC PROGRAM

TUESDAY, MAY 1

### Live Case & Lecture Session IV

#### Coronary Theater, Level 1

8:30 AM ~ 10:00 AM

**Moderators** Gary S. Mintz, Seung-Jung Park, Gregg W. Stone  
**Discussants** Jung-Min Ahn, Ziad A. Ali, Aloke V. Finn, Seung-Whan Lee, Akiko Maehara, Tullio Palmerini, Wasan Udayachalerm, Chris Kwok Yiu Wong, Yujie Zhou

8:30 AM **Columbia University Medical Center, USA**

1<sup>st</sup> Operator : Dimitrios Karpaliotis  
2<sup>nd</sup> Operator : Ajay J. Kirtane  
Operators : Jeffrey W. Moses, Manish Parikh

### DES & New BRS

9:30 AM **Lessons Learned from Pathologic Insights of DES or BRS: What Is the Future?**

Aloke V. Finn

9:40 AM **Future Perspectives of BRS, Will It Go Forward or Not?**

Gregg W. Stone

9:50 AM **Panel Discussion**

### Live Case & Lecture Session V

#### Coronary Theater, Level 1

10:00 AM ~ 11:15 AM

**Moderators** Patrick W. Serruys, Ki-Bae Seung  
**Discussants** Ramesh Adiraju, Khaled Al-Shaibi, Peter Barlis, In-Ho Chae, Byung Ok Kim, Vincent On-Hing Kwok, Hany Ragy, Chuck Simonton, Huay Cheem Tan, Aaron Sung Lung Wong

10:00 AM **Severance Hospital, Seoul, Korea**

1<sup>st</sup> Operator : Myeong-Ki Hong  
2<sup>nd</sup> Operator : Byeong-Keuk Kim  
Imaging Interpreter : Jung-Sun Kim

### Featured Lectures

10:45 AM **Metallic DES Are All Equivalent!**

Duk-Woo Park

10:55 AM **The Future of Coronary Imaging and Coronary Physiology**

Patrick W. Serruys

11:05 AM **Panel Discussion**

### Live Case Session VI

#### Coronary Theater, Level 1

11:15 AM ~ 12:30 PM

**Moderators** Stephen G. Ellis, Seung-Jea Tahk  
**Discussants** Junya Ako, John McB. Hodgson, Fumiaki Ikeno, Ik-Kyung Jang, Jun Pu, Evelyn Regar, Abdullah M.A. Shehab, Mohamed Sobhy, Chiung-Jen Wu, Robaayah Zambahari

11:15 AM **Asan Medical Center, Seoul, Korea: Case #3**

1<sup>st</sup> Operator : Seung-Jung Park  
2<sup>nd</sup> Operator : Jung-Min Ahn

**Asan Medical Center, Seoul, Korea: Case #4**

1<sup>st</sup> Operator : Alan C. Yeung  
2<sup>nd</sup> Operator : Seung-Whan Lee

### Live Case & Lecture Session III

#### Valve Theater, Level 1

8:30 AM ~ 11:00 AM

**Moderators** Eberhard Grube, John Graydon Webb  
**Discussants** Maurice Buchbinder, Cheol Ung Choi, Seung Hyuk Choi, James Flaherty, Won-Jang Kim, Thierry Lefevre, Hsin-Bang Leu, Vincent Luk, Luca Testa, Yongjian Wu

8:30 AM **St. Paul Hospital, Vancouver, Canada**

Operators : Anson Cheung, David Wood, Robert Boone

### Featured Lectures

10:30 AM **Cerebral Protection Device During TAVI: State of the Art**

Eberhard Grube

10:40 AM **Future Expanding TAVR Indications**

John Graydon Webb

10:50 AM **TAVR: Insights from Quality of Life and Economic Evaluation**

David J. Cohen

### Live Case Session IV

#### Valve Theater, Level 1

11:00 AM ~ 12:30 PM

**Moderators** Kentaro Hayashida, Raj Makkar  
**Discussants** Adrian Cheong, Babu Ezhumalai, Aloke V. Finn, Yingqiang Guo, Suk Keun Hong, Ju Han Kim, Nobuyuki Komiya, Michael Kang-Yin Lee, Quang Ngoc Nguyen, Tomohiro Sakamoto

11:00 AM **Severance Hospital, Seoul, Korea**

1<sup>st</sup> Operator : Myeong-Ki Hong  
2<sup>nd</sup> Operator : Young-Guk Ko  
Echo Interpreter : Chi Young Shim

11:40 AM **Asan Medical Center, Seoul, Korea: Case #5**

1<sup>st</sup> Operator : Duk-Woo Park  
2<sup>nd</sup> Operator : Vinayak Bapat

**Asan Medical Center, Seoul, Korea: Case #6**

1<sup>st</sup> Operator : Seung-Jung Park  
2<sup>nd</sup> Operator : Jung-Min Ahn

**Asan Medical Center, Seoul, Korea: Case #5, #6**

Echo Interpreter : Dae-Hee Kim



## Complex PCI: Make It Simple!

📍 Room 104, Level 1

🕒 8:30 AM ~ 9:40 AM

*Moderators* Duk-Woo Park, Patrick W. Serruys  
*Panelists* James R. Margolis, Imad Sheiban, Huay Cheem Tan, Gerald Werner

8:30 AM Ture Distal Left Main PCI (Medina 1,1,1 or 1,0,1) Contemporary Strategy: Provisional vs. Complex  
*Duk-Woo Park*

8:38 AM Left Main PCI: Unmet Questions  
*Huay Cheem Tan*

8:46 AM Lessons from SYNTAX II: Improving Decision Making in the SYNTAX III Trial  
*Patrick W. Serruys*

8:54 AM Appropriate Stent Criteria Are Inappropriate.  
*James R. Margolis*

9:02 AM Toolbox for Severe Coronary Calcification: Device, Indication, and Tips  
*Imad Sheiban*

9:10 AM CTO/CHIP Toolbox and Technique: What Is Trend and New in 2018?  
*Gerald Werner*

9:18 AM Time to Consider Different P2Y12 Strategy for Complex PCI/CHIP Patients: From OPTIMA to TAILORED-PCI Trial  
*Duk-Woo Park*

9:26 AM Interactive Discussion with Audience Q&A

## Complex Valve Intervention: MV and TV

📍 Room 104, Level 1

🕒 9:40 AM ~ 10:30 AM

*Moderators* Vinayak Bapat, Darren L. Walters  
*Panelists* Philipp Blanke, Michael Kang-Yin Lee, Jian (James) Ye

9:40 AM Mitral Valve Interventions: Clip, Ring, Neo-Chords and Valves - Reality and Future Perspectives in 5 Years  
*Jian (James) Ye*

9:48 AM TMVR: A Step-by-Step Approach  
*Vinayak Bapat*

9:56 AM TEE and CT Imaging Essentials for Selection of Mitraclip, Annuloplasty, or TMVR  
*Philipp Blanke*

10:04 AM Tricuspid Valve Interventions: Indication, and Future Directions  
*Vinayak Bapat*

10:12 AM The New 4Tech Approach for Tricuspid Valve Repair  
*Darren L. Walters*

10:20 AM Interactive Discussion with Audience Q&A

## Complex Valve Intervention: AV

📍 Room 104, Level 1

🕒 10:30 AM ~ 11:30 AM

*Moderators* Vinayak Bapat, Darren L. Walters  
*Panelists* Robert Bersin, Philipp Blanke, Mao Chen, Wojciech Wojakowski

10:30 AM Valve-in-Valve: TAVR with BVF(Bioprosthetic Valve Fracture): In-Depth Techniques and Updated Data  
*David J. Cohen*

10:38 AM TAVR in Bicuspid Aortic Stenosis with Severe Calcification: Case Reviews and Tips-and-Tricks  
*Jung-Min Ahn*

## 1-7. AMI & ACS

📍 Abstract Zone I, Level 1

🕒 8:30 AM ~ 9:40 AM

*Moderators* Chiayu Chou, Jin Won Kim  
*Panelists* Yunseok Choi, Nikolay Dimitrov, Anthony Yiu Tung Wong, Kwok Hing Yiu

8:30 AM [TCTAP A-147]  
Clinical Impacts of Beta-blockers in Patients Following Acute Myocardial Infarction Without Heart Failure or Left Ventricular Dysfunction (Left Ventricular Ejection Fraction>40%)  
*Hanbit Park*

8:40 AM [TCTAP A-021]  
Clinical Outcomes of Women Undergoing Percutaneous Coronary Intervention at a Metropolitan Australian Teaching Hospital  
*Cheuk Fung Lam*

8:50 AM [TCTAP A-012]  
Comparison of Short-term Outcomes of Percutaneous Coronary Intervention Between Young Male and Female Patients with Acute Coronary Syndrome  
*Fathima Aaysha Cader*

9:00 AM [TCTAP A-027]  
Predictor of Coronary Lesion Severity in ST-segment Elevation Myocardial Infarction  
*Rico Wicaksana Putra*

9:10 AM [TCTAP A-008]  
Trends of Acute Myocardial Infarction in Korea from the Experience of Korea Acute Myocardial Infarction Registry: What Is Different from Western Registries?  
*Yongcheol Kim*

9:20 AM [TCTAP A-026]  
Comparison Between Angiographic Findings of Coronary Artery Disease in STEMI and NSTEMI Patients of Bangladesh  
*Mahmood Hasan Khan*

9:30 AM Best Abstract Selection & Announcement

10:46 AM TAVR for Pure AR  
*Raj Makkar*

10:54 AM TAVR: Paravalvular Leak Closure  
*Darren L. Walters*

11:02 AM Leaflet Thrombosis, Clinical Relevance, and Optimal Antithrombotics: Updated Review and ADAPT-TAVR Trial  
*Do-Yoon Kang*

11:10 AM Interactive Discussion with Audience Q&A

## Interventional AF and HF Therapies

📍 Room 104, Level 1

🕒 11:30 AM ~ 12:20 PM

*Moderators* Maurice Buchbinder, Gregg W. Stone  
*Panelists* Wei-Chieh Lee, Antonia Anna Lukito, Teguh Santoso, A.P.M. Sohrabuzzaman

11:30 AM How We Treat Patients with Secondary MR in Heart Failure: COAPT Trial and More  
*Jian (James) Ye*

11:38 AM Watchman Asia Pacific Study(WASP): A Prospective 7 Country Multicentre Cohort Study, One Year Results  
*Teguh Santoso*

11:46 AM Role of TEE in Left Atrial Appendage Closure(LAAC): Lesson Learned  
*Maurice Buchbinder*

11:54 AM Inter-Atrial Shunts in HF: Devices, Indication, and Outcomes  
*Gregg W. Stone*

12:02 PM Interactive Discussion with Audience Q&A

### 1-8. AMI & ACS

#### 📍 Abstract Zone I, Level 1

🕒 9:40 AM ~ 11:00 AM

*Moderators* Afsar Raza, Yasunori Ueda  
*Panelists* Ahmad Ashraf Zaini bin Amat @ Hj Anwar,  
 Omar Ismail, Seung Mo Kang, Keun Lee

9:40 AM [TCTAP A-014]  
 Comparison of Clinical Outcomes After Drug-eluting Balloon and Drug-eluting Stent Use for In-stent Restenosis Related Acute Myocardial Infarction  
*Wei-Chieh Lee*

9:50 AM [TCTAP A-010]  
 Association of Brain Amygdalar Activity with Plaque Burden and Vulnerability in Coronary Artery  
*Eun Jin Park*

10:00 AM [TCTAP A-017]  
 Difference of Clinical and Prognostic Characteristics of Acute Myocardial Infarction in Patients with Hemodialysis and Without Hemodialysis  
*Tairo Kunita*

10:10 AM [TCTAP A-009]  
 Left Ventricular Remodeling and 1-year Clinical Outcome After Immediate Versus Deferred Stent Implantation in Patients with ST-segment Elevation Myocardial Infarction: Follow-Up Results of the INNOVATION Study  
*Hyun Jong Lee*

10:20 AM [TCTAP A-024]  
 Impact of Coronary Lesion Severity to Clinical Presentation in Patients with ST-segment Elevation Myocardial Infarction  
*Rico Wicaksana Putra*

10:30 AM [TCTAP A-015]  
 Intracoronary Infusion of Alprostadil and Nitroglycerin with Targeted Perfusion Microcatheter in ST-segment Elevation Myocardial Infarction Patients with Coronary Slow Flow Phenomenon  
*Xincheng Sheng*

10:40 AM [TCTAP A-019]  
 Early Outcomes in Patients Presenting for Acute STElevation Myocardial Infarction and Managed by Prehospital Thrombolysis: Results from a Tunisian Single Center Registry  
*Walid Jomaa*

10:50 AM Best Abstract Selection & Announcement

### 2-7. AMI & ACS

#### 📍 Abstract Zone II, Level 1

🕒 8:30 AM ~ 9:50 AM

*Moderators* Ilk-Kyung Jang, Myung-Ho Jeong  
*Panelists* Young Joon Hong, Fumiaki Ikeno,  
 Woo Hyuk Song, Ivan Tsang

8:30 AM [TCTAP A-018]  
 Unrestricted Use of Biolimus-eluting Stents(Biomatrix®, NOBORI) in Patients with Acute Myocardial Infarction  
*Ji Young Park*

8:40 AM [TCTAP A-022]  
 Comparison of High Shear Stress-induced Thrombotic and Thrombolytic Effect Between Aspirin/Clopidogrel/ Very Low Dose Rivaroxaban and Aspirin/Ticagrelor Treatments in Patients with Acute Coronary Syndrome  
*Minsuk Kim*

8:50 AM [TCTAP A-028]  
 The Predictive Factors of In-hospital Mortality in Patients with Acute Myocardial Infarction Requiring Emergency Percutaneous Coronary Intervention  
*Tomofumi Tsukizawa*

9:00 AM [TCTAP A-020]  
 Percutaneous Coronary Intervention Among Patients with Non-ST-segment Elevation Acute Coronary Syndromes: Results from the Improving Care for Cardiovascular Disease in China(CCC) Project  
*Qing Wang*

9:10 AM [TCTAP A-013]  
 Trend of Anti-diabetic Treatment Strategy and Influence of Outcomes in Diabetic ACS Patient: Data from Taiwan ACS-DM Registry  
*Kuanchun Chen*

9:20 AM [TCTAP A-016]  
 The Impact of High Triglycerides/High-density Lipoprotein Cholesterol in the ST-segment Elevation Myocardial Infarction Patients  
*Wei-Chieh Lee*

9:30 AM [TCTAP A-094]  
 The Efficacy of Renin-angiotensin System Blockades on 2-year Outcomes in Coronary Artery Ectasia  
*Bin Zhang*

9:40 AM Best Abstract Selection & Announcement

### 2-8. AMI & ACS

#### 📍 Abstract Zone II, Level 1

🕒 9:50 AM ~ 10:50 AM

*Moderators* Seung-Jea Tahk, Hiroaki Yamamoto  
*Panelists* Soon Jun Hong, Ching-Chang Huang,  
 Chien-Lin Lee, Rogelio Ventura Tangco

9:50 AM [TCTAP A-092]  
 Impact of Trimetazidine Treatment on 5-year Clinical Outcomes in Patients with Significant Coronary Artery Spasm: A Propensity Score Matching Study  
*Yong Hoon Kim*

10:00 AM [TCTAP A-023]  
 Invasive Pharmacology Strategy: The Use of Thrombolytic Drugs in Primary Percutaneous Coronary Intervention  
*Zulfikri Mukhtar*

10:10 AM [TCTAP A-011]  
 Myocardial Salvage Effect of Remote Concomitant Post-conditioning Using Blood Pressure Cuff in Primary Percutaneous Coronary Intervention for STElevation Myocardial Infarction  
*Chee Hae Kim*

- 10:20 AM [TCTAP A-025]  
 Transradial Percutaneous Coronary Intervention in Very Elderly Patients (Age 80 Years or above) with Acute Coronary Syndrome: Immediate and Short-term Outcome, Single Center Experience  
*Abdullah M.A. Shehab*
- 10:30 AM [TCTAP A-029]  
 Efficacy of Manual Thrombectomy in ST Segment Elevation Myocardial Infarction: Impact of Neutrophil-to-Lymphocyte Ratio  
*Sang Don Park*
- 10:40 AM Best Abstract Selection & Announcement

**1-7. Complex PCI**

**Case Zone I, Level 1**

**8:30 AM ~ 9:40 AM**

- Moderators* Sodiqr Rifqi, Cheol Woong Yu  
*Panelists* Ajith Ananthakrishna Pillai, Suhas Hardas, Patraporn Srirattana, Julian K. B. Tan
- 8:30 AM [TCTAP C-064]  
 Retrograde Flow of LIMA Indicate Subclavian Artery Stenosis  
*Jiunncherng Lin*
- 8:40 AM [TCTAP C-199]  
 Acute Coronary Occlusion Caused by Hematoma Which Detected by Optical Coherence Tomography  
*Kiyoshi Asakura*
- 8:50 AM [TCTAP C-014]  
 Managing Bifurcation Lesion in STEMI Setting  
*S M Mamun Iqbal*
- 9:00 AM [TCTAP C-119]  
 Iatrogenic Dissection of the Left Main Coronary Artery During Primary Percutaneous Coronary Intervention Resulting in No-reflow  
*Zhen-Vin Lee*
- 9:10 AM [TCTAP C-045]  
 Novel Bifurcation Technique  
*Debdatta Bhattacharyya*
- 9:20 AM [TCTAP C-007]  
 Very Young Male Patient of Inferior Wall STEMI Caused by Excessive Consumption of Alcohol  
*Shunming Zhu*
- 9:30 AM Best Challenging Case Selection & Announcement

**1-8. Complex PCI**

**Case Zone I, Level 1**

**9:50 AM ~ 11:10 AM**

- Moderators* Hweung-Kon Hwang, Kazuhiko Yumoto  
*Panelists* Motosu Ando, Jae-Sik Jang, Daisuke Matsumoto, Chor Cheung Tam
- 9:40 AM [TCTAP C-046]  
 Reverse Crush in STEMI Due to LM Thrombotic Occlusion  
*Farhat Fouladvand*
- 9:50 AM [TCTAP C-085]  
 The Stepwise Performing Percutaneous Coronary Intervention in Calcified Chronic Total Occlusion Lesion with Rich Collateral Using Simple Tool: Impossible or I'm Possible?  
*Evan Jim Gunawan*
- 10:00 AM [TCTAP C-072]  
 Complicated Stumpless LAD Chronic Total Occlusion Intervention  
*Ahmed Mashaly*
- 10:10 AM [TCTAP C-035]  
 Undeatable Coronary Lesion! What's Next?  
*Ann Kee How*
- 10:20 AM [TCTAP C-076]  
 Secondary Attempt for RCA CTO – How We Succeeded  
*Yen-Lien Chou*
- 10:30 AM [TCTAP C-202]  
 Optical Coherence Tomography for Visualization of Sub-intimal Tracking During Coronary Intervention  
*Sungyeon Park*
- 10:40 AM [TCTAP C-198]  
 Staged Multiple PCI of Post Bypass Calcified RCA (7-DES), PCI of LIMA to LAD and DEB of Left SFA  
*Sridhar Kasturi*
- 10:50 AM Best Challenging Case Selection & Announcement

**1-9. Complex PCI**

**Case Zone I, Level 1**

**11:00 AM ~ 12:20 PM**

- Moderators* Jung Ho Heo, Makoto Kadotani  
*Panelists* Ziad A. Ali, Mun Jeun Edward Mah, Lijo Varghese, Toshinobu Yoshida
- 11:00 AM Invited Case Presentation: The Case Conversion from Simplicity to Complication - A Simple Case's Ripple Effects  
*Ying-Jia Xu*
- 11:10 AM [TCTAP C-009]  
 The MI Strikes Back: A Roller Coaster Bifurcation PCI for Recurrent Anterolateral STEMI  
*Jiyeon Kam*
- 11:20 AM [TCTAP C-112]  
 How to Overcome Dislodgement Stent at Left Main During TRI  
*Min Woong Kim*
- 11:30 AM [TCTAP C-148]  
 Revascularization of Chronic Total Occlusion to Facilitate Weaning from Extracorporeal Membrane Oxygenation in Patients with Cardiogenic Shock  
*Ying-Chang Tung*
- 11:40 AM [TCTAP C-008]  
 Successful Resuscitation of Cardiac Arrest Caused by Spontaneous Coronary Artery Dissection in the Left Main Trunk with Cutting Balloon Angioplasty and Stenting  
*Hiroshi Okumura*
- 11:50 AM [TCTAP C-044]  
 LMCA Bifurcation Lesion  
*Asit Das*
- 12:00 PM [TCTAP C-158]  
 One Case of Using Drug-eluting Balloon to Treat Drug-eluting Stent In-stent Restenosis  
*Lyu Qiang*
- 12:10 PM Best Challenging Case Selection & Announcement

## 2-7. Complex PCI

### Case Zone II, Level 1

8:30 AM ~ 9:50 AM

**Moderators** Anil Dhall, Do-Sun Lim  
**Panelists** Yu Jeong Choi, Jimmy George, Kyohei Yamaji, Sang-Yong Yoo

8:30 AM [TCTAP C-063]  
Bioresorbable Vascular Scaffolds in Left Main Coronary Artery Disease  
Sang Don Park

8:40 AM [TCTAP C-024]  
Primary PCI of the Left Main (Culotte Technique) in a Patient with NSTEMI-ACS with 3D OCT Control  
Alexey Sozykin

8:50 AM [TCTAP C-053]  
Primary Angioplasty of Left Main  
Harim Tyagi

9:00 AM [TCTAP C-210]  
The First Left Distal Transradial Access in the Anatomical Snuff Box Angioplasty (IdTRA) Plus OCT  
Tanyarat Aramsareewong

9:10 AM [TCTAP C-027]  
Transbrachial Intra-aortic Balloon in Patient with Acute Coronary Syndrome and History of Peripheral Arterial Disease  
Osama Mamdouh Shoeib

9:20 AM [TCTAP C-028]  
Sub-thrombosis in Elderly Female Patient with Acute Myocardial Infarction After Percutaneous Coronary Intervention  
Zhen Guo Ji

9:30 AM [TCTAP C-055]  
Managing Three Bifurcations: Going Simpler Is Better.  
Dilip Kumar

9:40 AM Best Challenging Case Selection & Announcement

## 2-8. Complex PCI

### Case Zone II, Level 1

9:50 AM ~ 11:10 AM

**Moderators** Yuichi Noguchi, Ki Dong Yoo  
**Panelists** Chee Yang Chin, Yoshifumi Kashima, Islam Elsayed Shehata, Tae-Hyun Yang

9:50 AM [TCTAP C-145] Double CTO  
Ashok Kumar Dutta

10:00 AM [TCTAP C-116]  
Accidental Wire Pull Back and Ostial Retrograde Dissection  
Szu-Chi Chien

10:10 AM [TCTAP C-115]  
Successful Bailout of Iatrogenic Left Main Coronary Artery Thrombosis by "Pushing Method" with an Extension Catheter  
Yuta Imai

10:20 AM [TCTAP C-015]  
Double Strike: A Case of Acute Inferior ST Elevation Myocardial Infarction with Double Culprit Arteries  
Hanan Saad Salem

10:30 AM [TCTAP C-201]  
Very Late Stent Thrombosis Derived from Thin-cap Neoatheroma and Fibroatheroma with Plaque Rupture Assessed by Optical Coherence Tomography  
Yongcheol Kim

10:40 AM [TCTAP C-036]  
Dislodged Uninflated Stent: Retrieve, Crush or Inflate?  
Vika Candra

10:50 AM [TCTAP C-010]  
Acute Coronary Syndrome in a Young Nurse  
Sasirekha Dhandayuthapani

11:00 AM Best Challenging Case Selection & Announcement

## 2-9. Complex PCI

### Case Zone II, Level 1

11:10 AM ~ 12:30 PM

**Moderators** Imad Sheiban, V. Parameswaran Nair  
**Panelists** Wook Hyun Cho, Daitaro Kanno, Jun Yamashita, Yong-Mo Yang

11:10 AM [TCTAP C-127]  
Coronary Artery Perforation After Successful Percutaneous Coronary Intervention with ROTA and Drug Eluting Stent – Why?  
Ching Tsai Hsu

11:20 AM [TCTAP C-022]  
When the Index Emergent PCI Is Unsuccessful with Residual Thrombi: What Should We Do About the Second PCI Timing?  
Yoshihiro Noji

11:30 AM [TCTAP C-121]  
What Is Lotted, Cannot Be Blotted.  
Mohammad Arifur Rahman

11:40 AM [TCTAP C-125]  
The Tortuous Sierra Journey  
Mohd Firdaus Hadi

11:50 AM [TCTAP C-051]  
Severe Stenosis at Lesser Curvature of the Ostial Circumflex  
Akihiko Miyata

12:00 PM [TCTAP C-023]  
Deferred Stenting for ST-segment Elevation Myocardial Infarction with Coronary Aneurysm  
Fachmi Ahmad Muslim

12:10 PM [TCTAP C-039]  
Occluded Thrombus In Left Main Coronary Artery. Treatment Strategies?  
Dhinesh David

12:20 PM Best Challenging Case Selection & Announcement

## 3-7. Structural Heart Disease

### Case Zone III, Level 1

8:30 AM ~ 9:40 AM

**Moderators** Hiromi Matsubara, Cheuk-Man Yu  
**Panelists** Adrian Cheong, Ju Han Kim, Wojciech Wojakowski, Young Won Yoon

8:30 AM [TCTAP C-220]  
Successful Transcatheter Aortic Valve Replacement for the Treatment of Severe Aortic Stenosis with Bicuspid Aortic Valve  
Sung-yun Jung

8:40 AM [TCTAP C-207]  
Atrial Septum Fenestration for Patient with Idiopathic Pulmonary Artery Hypertension  
Tagir Aminov

8:50 AM [TCTAP C-217]  
Increase Carotid Flow by Double Sheath Connection Technique to Reduce Cerebral Ischemia for Transcatheter Aortic Valve Implantation Through Transcarotid Approach  
I-Ming Chen

9:00 AM [TCTAP C-219] Complication of BMV  
Raman Chawla

9:10 AM [TCTAP C-211]  
Successful Endovascular Treatment of Acute BT-shunt Occlusion  
Eyvaz Abbasov

9:20 AM [TCTAP C-221]  
Management of Embolized Sapien XT During TAVR  
Ho-Ping Yu

9:30 AM Best Challenging Case Selection & Announcement

## 3-8. Complex PCI

## 📍 Case Zone III, Level 1

🕒 9:40 AM ~ 11:00 AM

**Moderators** Yutaka Hikichi, Afzalur Rahman  
**Panelists** Joon-Hyung Doh, Yasushi Ino, Sang Yup Lim, Yoshinobu Onuma

- 9:40 AM [TCTAP C-149]  
Stent Dislodgement Due to Calcified Lesions in a Uremic Patient  
Cheng Chung Hung
- 9:50 AM [TCTAP C-088]  
LADos Stumpless CTO Intervention by Retrograde Approach  
Dae-Won Kim
- 10:00 AM [TCTAP C-129]  
Simple Percutaneous Coronary Angioplasty Doesn't Exist. Nightmare After Right Coronary Artery Dissection  
Karlis Griks
- 10:10 AM [TCTAP C-128]  
Distal Wire Coronary Perforation Managed Successfully with Gelfoam®  
Zhan Yun Lim
- 10:20 AM [TCTAP C-054]  
Primary PCI of LM Bifurcation Lesion in a Patient Presented with Acute Anterior Wall MI and Cardiogenic Shock  
Azfar H Bhuiyan
- 10:30 AM [TCTAP C-130]  
Cupid Technique: Temporary Pacing Wire with Left Ventricular Epicardial Pacing  
Chen Ting Tan
- 10:40 AM [TCTAP C-056]  
PTCA with Stent to Left Main-LAD, LAD (Mid) Lesion with Cutting Edge Buddy Wire Technique, RCA with Thrombus in Patient with Prior Coronary Artery Bypass Graft Surgery and Prior PCI  
Raghav Sharma
- 10:50 AM Best Challenging Case Selection & Announcement

## 3-9. Complex PCI

## 📍 Case Zone III, Level 1

🕒 11:00 AM ~ 12:20 PM

**Moderators** Byoung Eun Park, Yujie Zhou  
**Panelists** Phitsanu Boonprasert, Nur Haryono, Ho Lam, Mitsunori Mutou

- 11:00 AM [TCTAP C-095]  
Difficult Chronic Total Occlusion Approach; Which Way Is Better?  
Wei-Chieh Lee
- 11:10 AM [TCTAP C-120]  
Management of a Type 3 Perforation of Ostial LAD When Surgery or Graft Stenting Is Not Available  
Mutlu Vural
- 11:20 AM [TCTAP C-146]  
"Coronary Artery Longitudinal Distortion" in Very Tortuous RCA Percutaneous Coronary Intervention  
Danon Kaewkes
- 11:30 AM [TCTAP C-069]  
Successful Recanalization of Long Tortuous Chronic Total Occlusion Using Knuckle Wire Technique  
Jung-Hee Lee
- 11:40 AM [TCTAP C-030]  
Treatment of Near Occlusive Radial Artery Stenosis During Percutaneous Coronary Intervention  
Nandhakumar Vasu
- 11:50 AM [TCTAP C-050]  
Left main Bifurcation Intervention Combined with Reverse Guidewire Technique and DR(Double Rewire) CRUSH Technique  
Lijian Gao
- 12:00 PM [TCTAP C-205]  
Right or Wrong Strategy...?!  
M Sathish Kumar
- 12:10 PM Best Challenging Case Selection & Announcement

## I-1. Complex PCI

## 📍 Room 104, Level 1

🕒 2:00 PM ~ 3:30 PM

**Moderators** Stephen G. Ellis, Seung-Jung Park  
**Panelists** Peter Barlis, Zhih-Cherng Chen, Farhat Fouladvand, Seung Ho Kang, Byung Ok Kim, Nobuyuki Komiyama, Sung Yun Lee, Evelyn Regar

- 2:00 PM Invited Case Presentation & Focus Review: Tips and Tricks in Bifurcational Stenting Using 2 Stents  
Farhat Fouladvand
- 2:10 PM [TCTAP C-077]  
Successful "Rendezvous in Coronary" Technique with the Retrograde Approach for Chronic Total Occlusion After Anterograde Coronary Perforation  
Jaehyuk Jang
- 2:20 PM [TCTAP C-152]  
Bad Access to Axxess - A Complication Made During Dedicated Bifurcation Stent Delivery  
Po-Chih Lin
- 2:30 PM [TCTAP C-142]  
The Percutaneous Coronary Intervention for the Saphenous Vein Graft Which Have Massive Calcification for 35 Years After Coronary Artery Bypass Graft Surgery  
Kohei Yoneda
- 2:40 PM [TCTAP C-118]  
Complications During Rotablator Atherectomy in Heavily Calcified and Tortuous Right Coronary Artery  
Jinnuwan Lin
- 2:50 PM [TCTAP C-102]  
Rescuing a Right Coronary Artery Occluded by a Non-deflatable Stent Balloon  
Joe Kin-Tong Lee

- 3:00 PM [TCTAP C-001]  
Fate of a Modern Day Pheidippides: Acute Coronary Thrombosis in a Young Marathon Runner  
Kin Leong Tan
- 3:10 PM [TCTAP C-002]  
Percutaneous Coronary Intervention of an Acute Coronary Syndrome Patient with Anomalous Origin of Right Coronary Artery Arising from the Left Coronary Cusp  
Anudya Kartika Ratri
- 3:20 PM Best Challenging Case Selection & Announcement

## I-2. Complex PCI

## 📍 Room 104, Level 1

🕒 3:30 PM ~ 4:50 PM

- Moderators** Jacques J. Koolen, Ki-Bae Seung  
**Panelists** Nur Alam, Chiayu Chou, Dongkyu Jin, Yong Hoon Kim, Byoung Kwon Lee, Zhen-Yu Liao, Mohamed Sobhy, Aaron Sung Lung Wong
- 3:30 PM Invited Case Presentation & Focus Review: What Is the Important Vessel for the Patient?  
Jacques J. Koolen
- 3:40 PM [TCTAP C-143]  
How to Approach a RCA CTO Lesion in Uremic Patients with Bilateral Common Iliac Artery Severe Stenosis?  
Wei-Chun Huang
- 3:50 PM [TCTAP C-109]  
Guide Wire Fracture with Remnant Filaments in Left Main Coronary Artery During Chronic Total Occlusion Intervention: Wire Intertwining Retrieval Technique  
Akhtar Fajar Muzakkir
- 4:00 PM [TCTAP C-104]  
Development of Left Main Lesion Within 2 Weeks?  
Said Sabek

- 4:10 PM [TCTAP C-103]  
Procedural De Novo Thrombus Formation with Delayed Cardiac Tamponade from a Perforation Presenting 3 Days Post-procedure  
*Carl Dominic Pancho Tolentino*
- 4:20 PM [TCTAP C-066]  
Left Anterior Descending Artery Chronic Total Occlusion and Collateral Right Coronary Artery Aneurysm  
*Chen Wei Huang*
- 4:30 PM [TCTAP C-016]  
A Primary PCI Case: Stent or Not to Stent  
*Henry Ying Lung Kok*
- 4:40 PM Best Challenging Case Selection & Announcement

### I-3. Complex PCI

📍 Room 104, Level 1  
🕒 4:40 PM ~ 6:00 PM

- Moderators* Yves R. Louvard, Sunao Nakamura  
*Panelists* Khaled Al-Shaibi, Sam Husnayan, Abdul Kayum Khan, Sang Wook Lim, Quang Ngoc Nguyen, Jun Pu, Kenji Sadamatsu, Vipin Mughilassery Thomachan
- 4:40 PM Invited Case Presentation & Focus Review: A Career Achievement  
*Yves R. Louvard*
- 4:50 PM [TCTAP C-223]  
Diffusely Calcified Long Lesion Treated Using Rotablation  
*Hanbit Park*
- 5:00 PM [TCTAP C-105] Saved by the "FAT"  
*Nandakumar Ramakrishnan*
- 5:10 PM [TCTAP C-086]  
Mother and Child with Granddaughter Technique - A Savior for Balloon Uncrossable Chronic Total Occlusion  
*Chong Aik Goh*

- 5:20 PM [TCTAP C-124]  
Nightmares Never Come Alone!  
*Farhana Ahmed*
- 5:30 PM [TCTAP C-139]  
Just a Mess: A Complicated Procedure of Elective Left Main - Left Anterior Descending Artery Percutaneous Coronary Intervention  
*Ramy Mohamed Atim*
- 5:40 PM Best Challenging Case Selection & Announcement

Tuesday, May 1

Challenging Case Competition with Experts' Focus Review II

TUESDAY, MAY 1 | 87

### II-1. Structural Heart Disease

📍 Room 105, Level 1  
🕒 2:00 PM ~ 3:30 PM

- Moderators* Eberhard Grube, Raj Makkar  
*Panelists* Jung-Min Ahn, Vinayak Bapat, Cheol Ung Choi, James Flaherty, Yingqiang Guo, Kentaro Hayashida, Michael Kang-Yin Lee, Darren L. Walters
- 2:00 PM Invited Case Presentation & Focus Review:  
*Eberhard Grube*
- 2:10 PM [TCTAP C-222]  
Successful Balloon-expandable Transcatheter Aortic Valve Prosthesis (Edwards SAPIEN 3) Insertion in Severe Bicuspid Aortic Valve Stenosis with Huge Annulus  
*Sang-Cheol Cho*
- 2:20 PM [TCTAP C-215]  
Two Birds with One Stone – Bioprosthetic Dysfunction Begets Bioprosthetic Dysfunction?  
*Kuan-Chih Huang*
- 2:30 PM [TCTAP C-216]  
PTMC in Elderly: A Challenging Case with Complications  
*Toufiqu Rahman*
- 2:40 PM [TCTAP C-224]  
Successful Valve-in-valve Transcatheter Aortic Valve Replacement with Bioprosthetic Valve Fracture  
*Sang Yong Om*
- 2:50 PM [TCTAP C-214]  
The Ball Outside the Heart  
*Huai-Wen Liang*
- 3:00 PM [TCTAP C-212]  
Alcohol Septal Ablation for Obstructive Hypertrophic Cardiomyopathy Using a 5-french Guiding Catheter via the Right Radial Artery  
*Yurie Fukami*

- 3:10 PM [TCTAP C-213]  
Alcohol Ablation of Interventricular Septum Under Contrast Ultrasound Guidance for Patient with Hypertrophic Obstructive Cardiomyopathy  
*Tagir Aminov*
- 3:20 PM Best Challenging Case Selection & Announcement

### II-2. Complex PCI

📍 Room 105, Level 1  
🕒 3:30 PM ~ 4:40 PM

- Moderators* Seung-Whan Lee, Chiung-Jen Wu  
*Panelists* Si Wan Choi, Fahim Haider Jafari, Soo-Joong Kim, Sang Min Park, Mohammad Shafiqur Rahman Patwary, Abdullah M.A. Shehab, Yanmin Xu, Nobuhito Yagi
- 3:30 PM Invited Case Presentation & Focus Review:  
*Chiung-Jen Wu*
- 3:40 PM [TCTAP C-040]  
In-Stent Re-Stenosis in a Tortuous Calcified Vessel  
*V. Parameswaran Nair*
- 3:50 PM [TCTAP C-073]  
Ping-pong Guiding Catheter to Facilitate Real-time Intravascular Ultrasound-guided Recanalization of Chronic Total Occlusion  
*Ching-Tang Chang*
- 4:00 PM [TCTAP C-004]  
My Youngest Patient with AMI  
*Chi Hong Chau*
- 4:10 PM [TCTAP C-048]  
A Modified Crush Stenting Technique to Treat an Awkward Ostial Circumflex Stenosis Using DES and DCB  
*Shonda Ng*

- 4:20 PM [TCTAP C-034]  
Percutaneous Coronary Angioplasty  
of a Calcified Lesion in an Anomalous  
Origin of Right Coronary Artery  
*Ken Chien Lim*
- 4:30 PM Best Challenging Case Selection &  
Announcement

### II-3. Complex PCI

Room 105, Level 1  
4:50 PM ~ 6:00 PM

- Moderators *Duk-Woo Park, Teguh Santoso*  
Panelists *Teeranan Angkananard, Ashok Kumar Dutta,  
Tan Huat Chai, Kyoung-Ha Park, Hany Ragy,  
Luca Testa, Kenji Wagatsuma*
- 4:40 PM Invited Case Presentation & Focus  
Review: PCI for Early Mammary Graft  
Failures  
*Hany Ragy*
- 4:50 PM [TCTAP C-197]  
Optical Coherence Tomography  
Defined Plaque Erosion After Removal  
of Coronary Guidewire  
*Sang-woong Choi*
- 5:00 PM [TCTAP C-111]  
The Culprit Is the Guiding Catheter!  
*Nee Hooi Tan*
- 5:10 PM [TCTAP C-033]  
Stent Assisted Coil Embolization of  
Left Circumflex Artery Aneurysm  
*Valeri Gelev*
- 5:20 PM [TCTAP C-006]  
When a Mesh-covered Stent Saves the  
Day  
*Alexander Goldberg*
- 5:30 PM [TCTAP C-043]  
Intravascular Ultrasound-Guided  
Percutaneous Coronary Intervention  
of Isolated Critical Ostial Stenosis of  
Unprotected Left Main Coronary Artery  
in Acute Coronary Syndrome  
*Satej Janorkar*

- 5:40 PM [TCTAP C-062]  
The Fisherman's Daughter  
*Rubenthiran Navaratnam*
- 5:50 PM Best Challenging Case Selection &  
Announcement

## Tuesday, May 1

### 27<sup>th</sup> KCTA Symposium

TUESDAY, MAY 1 | 89

### Annual Conference for Cardiovascular Nurse & Technologist Joint Program with TCTAP 2018

Co-organized by Korean Nurses Association and Korean  
Cardiovascular Technology Association

Coronary Theater, Level 1

1:00 PM ~ 3:55 PM

1:00 PM Opening Remark  
*Min Suk Lee*

1:03 PM Welcome Address  
*Duk-Woo Park*

### Part I: Featured Lectures

Moderators *Ho Jung Kim, Seung Il Ko*  
Panelists *Mi Sook Ahn, Jae Seong Ban, Byoung Won Cheon,  
Kang-Soo Jung, So Young Kim, Hyun Jin Lee,  
Seung Cheol Park, Jin Seok Roh, Jae Chul Um,  
Soo Yeong Woo*

1:05 PM CTO: Initial Selection of Wire and  
Supporting Devices for the Successful  
CTO Intervention  
*Geon-Jae Lee*

1:20 PM Endovascular: Selection of DEB, BMS,  
DES, or Atherectomy Devices  
*Geol Soo Song*

1:30 PM TAVR: Current Status and Future  
*Seung Hoon Lee*

1:45 PM Q & A

### Part II: KCTA International Joint Symposium Korea & China & Japan

Moderators *Min Suk Lee, Eun-Shim Park*  
Panelists *Seong Tae Jung, Joon Won Kang, Dae Sik Kim,  
Ju Hee Kim, Tae Yeon Kim, Yong Hwan Kim,  
Sungwoo Lee, Il Hyeong Park, Yong-Hak Shin,  
Se Young Yim*

1:55 PM FFR: Where Are We?  
*Hee Jun Kim*

2:05 PM Quantitative Flow Ratio: A Novel  
Functional Tool in the Catheterization  
Laboratory  
*Ang Li*

2:15 PM Best Practices for Using the New IVUS  
*Takahide Murasawa*

2:25 PM Panel Discussion

2:45 PM Q & A

### Part III: Learn the Technique from Case

Moderators *Sung Il Baik, Kyung Jin Park*  
Panelists *Soon Deok Jang, Hyuk Jeon, Sung wook Kim,  
Taewoo Kim, Hee Bong Lee, Gye-Sik Min,  
Ho Soo Yoo, Ji Wan Yoo*

2:55 PM Learn the Technique (Case Review):  
AMI PCI & Cardiogenic Shock  
*Gi Won Yu*

3:05 PM Q & A

3:10 PM Learn the Technique (Case Review):  
LM & Bifurcation  
*Bo Hyang Kang*

3:20 PM Q & A

3:25 PM Learn the Technique (Case Review):  
Calcific Lesion  
*Won Hyo Kim*

3:35 PM Q & A

3:40 PM Learn the Technique (Case Review):  
EVAR  
*Kyu Sung Lee*

3:50 PM Q & A



**CE Program for Radiotechnologists**

Radiotechnologist Continuous Educational Course

Organized by Korean Cardiovascular Technology Association

📍 Coronary Theater, Level 1

🕒 4:00 PM ~ 6:00 PM

4:00 PM About Contrast Media's Used at Cath Lab

Se Young Yim

4:50 PM Coffee Break

5:00 PM The Latest Knowledge of Cardiovascular Intervention

Do-Yoon Kang

# TIME PROVES EXFORGE

“PROVEN BP LOWERING EFFECT &  
TOLERABILITY FROM BOTH OF RANDOMIZED  
CONTROLLED TRIAL AND REAL WORLD EVIDENCE”

**References** 1. Allmann, et al. *J Clin Hypertens* 2008;10:185-194. 2. Sison, J, et al. *Curr Med Res Opin* 2014;30:1937-1945.

[Exforge 10/160mg, 5/160mg, 5/80mg] Amlodipine besylate/Valsartan

**Indications:** Treatment of essential hypertension in patients whose blood pressure is not adequately controlled on antihypertensive monotherapy. Dosage and administration: The recommended dose of Exforge is one tablet per day. Exforge can be used with or without food. It is recommended to take Exforge with some water at the same time(s) every day. Individual dose titration with the components (i.e., amlodipine and valsartan) is recommended before changing to the fixed dose combination. But when blood pressure is not adequately controlled on monotherapy, direct change from monotherapy to the fixed-dose combination may be considered.

• **Exforge 5 mg/80 mg** : Exforge 5 mg/80 mg may be administered in patients whose blood pressure is not adequately controlled with amlodipine 5 mg or lisinartan 80 mg alone.

- **Exforge 5 mg/160 mg** : Exforge 5 mg/160 mg may be administered in patients whose blood pressure is not adequately controlled with an lisdopine 5 mg or valsartan 160 mg alone.

• **Exforge 10 mg/160 mg**: Exforge 10 mg/160 mg may be administered in patients whose blood pressure is not adequately controlled with amlodipine 10 mg or valsartan 160 mg a day.

For convenience, patients receiving verapamil and amlodipine from separate tablets may be switched to Exforge containing the same component doses. Renal Impairment: No dose adjustment is necessary in patients with renal impairment. *Exforge* is not recommended in patients with severe renal impairment (creatinine clearance <30 mL/min).

severe impaired renal function (creatinine clearance < 10 mL/min) or patients undergoing dialysis. Monitoring of potassium levels and creatinine is advised in severe renal impairment. For patients with severe renal impairment, the maximum recommended dose is 10 mg daily. Patients with severe renal impairment should be monitored closely for hypokalemia. Patients with severe renal impairment or any obstructive disorders should not be treated with Exjade. Elderly patients (> 65 years old): In elderly patients, caution is required when increasing the dosage.

act directly on the renin-angiotensin system during the second and third trimesters of pregnancy has been associated with fetal and neonatal injury and death. When pregnancy is

3) Severe renal impairment (creatinine clearance < 10 mL/min) (No experience) 4) Severe hepatic impairment, liver biliary disease, or

< 60 mL/min/1.73 m<sup>2</sup>) 6) Patients with hereditary angioedema or patients experienced angioedema with ACE inhibitor or Angiotensin II receptor antagonist 7) Primary hyperaldosteronism

**cautious use of this drug is needed in the following patients:** 1) Sodium and/or volume depleted patients Excessive hypotension was seen in 0.4% of patients with uncompensated heart failure; 2) Patients receiving concomitant treatment with antihypertensive agents; 3) Patients with renal insufficiency or dialysis; 4) Patients with severe hepatic impairment.

receiving high doses of diuretics) who are receiving angiotensin receptor blockers, symptomatic hypotension may occur. Correction of this condition prior to administration of this drug is necessary, plus an IV infusion of normal saline. Treatment can be continued once blood pressure is stable. **21** Patients with known serum Cr creatinine use with potassium supplements.

necessary, given an IV infusion of normal saline. Treatment can be continued once blood pressure is stable. 2) Patients with Hyperkalemia concomitant use with potassium supplements and with frequent monitoring of potassium. 3) Patients with Renal artery stenosis. Safety monitoring is recommended to treat patients with unilateral or bilateral renal artery stenosis.

and were frequent monitoring of potassium. **3) Patients with renal artery stenosis** Safety monitoring is recommended to treat patients with unilateral or bilateral renal artery stenosis, use of this drug in patients who have had a recent kidney transplant. **5) Patients with Angioedema** Angioedema, including swelling of the larynx and throat, causing airway obstruction.

other drugs including ACE inhibitors. This drug should be immediately discontinued in patients who develop angioedema, and should not be re-administered. <sup>65</sup> Patients with heart failure

Heart Association (NYHA) functional class II or III. In placebo-controlled study PARADISE-2 in patients with NYHA II or III heart failure of non-ischaemic aetiology, amiodipine was reported

renal function may depend on the activity of the renin-angiotensin-aldosterone system (e.g. patients with severe heart failure, treatment with angiotensin converting enzyme inhibitors with heart failure or post-myocardial infarction should be closely monitored for renal function). <sup>20</sup> Patients with severe or moderate hepatic impairment (baseline bilirubin  $\geq 2$  times normal) should not be treated with this medicine.


with heart failure or post-myocardial infarction should always include assessment of renal function. 7) Patients with acute myocardial infarction increase of incidence, disease period or no increase the dose of calcium channel blocker is contraindicated. 8) Aortic and mitral aortic stenosis, obstructive hypertrophic cardiomyopathy patient do with a further vessel stress, so

Systemic RAAS is not recommended that the combined use of agents acting on the RAAS such as ARBs, ACE inhibitors and diuretics. <sup>100</sup> Patient with mild to moderate

Systemic use of this product is not recommended in cattle and horses due to the risk of colic and other gastrointestinal problems. For more information, see the full prescribing information.

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## 23<sup>rd</sup> CARDIOVASCULAR SUMMIT **TCTAP2018**

Inspire the Next Generation!

CTO Live

Coronary Intervention

Percutaneous Valve Therapeutics

Endovascular Intervention

## SATELLITE SYMPOSIUM & LEARNING CENTER

SATELLITE SYMPOSIUM  
& LEARNING CENTER

## Endovascular Intervention

Organized by CVRF and Supported by Educational Grant from  
Cook Medical Korea

## 📍 Endovascular Theater, Level 1

🕒 7:00 AM ~ 8:00 AM

**Moderators** Donghoon Choi, Kishore Sieunarine  
**Panelists** In-Ho Chae, Young Rak Cho, Yun-Hyeong Cho,  
 Jae Woong Choi, Seung Hyuk Choi,  
 Hirooki Higami, Chung-Ho Hsu,  
 Woong Chol Kang, Hyun-Sook Kim,  
 Jang Yong Kim, Won Ho Kim, Young-Guk Ko,  
 Yoon Seok Koh, Joon Hyuk Kong, Han Cheol Lee,  
 Pil Hyung Lee, Se-Whan Lee, Young-Hyo Lim,  
 Pil-Ki Min, Hoon Ki Park, Sang Woo Park,  
 Zhi Zheng

7:00 AM **The Value of Open Surgery in Era of EVAR**

Kishore Sieunarine

7:08 AM **Long-term Outcome of TEVAR in Acute Type B Dissection**

Han Cheol Lee

7:16 AM **TEVAR for Chronic Dissections-Strategy for Long-term Durability**

Young-Guk Ko

7:24 AM **Interactive Discussion with Audience Q&A**7:35 AM **Iliac Arterial Aneurysm: What We Need to Consider and How We Treat It.**

Woong Chol Kang

7:43 AM **Current Prospective on Iliac Aneurysm Management**

I-Ming Chen

7:51 AM **Interactive Discussion with Audience Q&A**

## CTO: Lessons from Data &amp; Experience

Organized by CVRF and Supported by Educational Grant from  
AMG KOREA CO.,LTD.

## 📍 CTO Theater, Level 1

🕒 7:00 AM ~ 8:10 AM

**Moderators** Seung-Whan Lee, Barry D. Rutherford,  
 Gerald Werner  
**Panelists** Hiroaki Abe, Yeh Peng Chen, Debabrata Dash,  
 Choong Won Goh, Yuji Hamazaki,  
 Yasumi Igarashi, Arun Kalyanasundaram,  
 Chia-Pin Lin, Ping-Han Lo, Kambis Mashayekhi,  
 Toshiya Muramatsu, Kenya Nasu,  
 Atsunori Okamura, Satoru Otsuji, Xuguang Qin,  
 Ramesh Singh Arjan Singh, Li Wah Tam,  
 Chong-Hiok Tan, Eugene Brian Wu

## Approaches and Outcomes

7:00 AM **CTO with LV Dysfunction: Approaches and Outcomes**

Kambis Mashayekhi

7:08 AM **ISR CTO: What Is the Difference from De Novo CTO?**

Kenya Nasu

7:16 AM **CHIP and CTO: Perfectibility with Hemodynamic Support**

Arun Kalyanasundaram

7:24 AM **Interactive Discussion with Audience Q&A**7:35 AM **The Lesson from EURO CTO Trial**

Gerald Werner

7:43 AM **The Lesson from DECISION-CTO Trial**

Seung-Whan Lee

7:51 AM **Compared to Medical Therapy, Does CTO PCI Improve Prognosis, or Are the Main Benefits Symptomatic Improvement?**

Barry D. Rutherford

7:59 AM **Interactive Discussion with Audience Q&A**

## DES &amp; New BRS

Organized by CVRF

## 📍 Room 104, Level 1

🕒 7:00 AM ~ 8:10 AM

**Moderators** Patrick W. Serruys, Alan C. Yeung  
**Panelists** Francisco Jose Ayala Riquelme, Kam Tim Chan,  
 Doni Firman, Nicolas Foin, I-Chang Hsieh,  
 Jae-Sik Jang, Jacques J. Koolen,  
 Vincent On-Hing Kwok, Jun-Ting Liou,  
 Shunichi Miyazaki, Yoshinobu Murasato,  
 Gaku Nakazawa, Yoshinobu Onuma,  
 Tullio Palmerini, Yasunori Ueda,  
 Chris Kwok Yiu Wong, Hiroshi Yamaguchi,  
 Wenduo Zhang, Yujie Zhou

7:00 AM **Bioresorbable Scaffolds: Rethinking All Mechanism of Scaffold Thrombosis and How to Fix It?**

Yoshinobu Onuma

7:08 AM **Can Improved Scaffold Technology Reduce Clinical Complications?: Insights and Speculation**

Patrick W. Serruys

7:16 AM **Future DES Platforms: New Drugs, Polymers, and Metals**

David E. Kandzari

7:24 AM **Contemporary DES Thrombosis and Restenosis: Incidence, Mechanisms, and Treatment**

Alan C. Yeung

7:32 AM **Is In-Stent Restenosis a Benign Event?**

Tullio Palmerini

7:40 AM **Interactive Discussion with Audience Q&A**

## Complex and Higher Risk Indicated Patient(CHIP)

Organized by CVRF and Supported by Educational Grant from  
Boston Scientific

## 📍 Room 105, Level 1

🕒 7:00 AM ~ 8:10 AM

**Moderators** Duk-Woo Park, Chiung-Jen Wu  
**Panelists** Ramesh Adiraju, Rosli Mohd Ali, Ziad A. Ali,  
 Rabindranath Chakraborty, Charles Chan,  
 James Flaherty, Kenichi Fujii, Tsutomu Fujita,  
 Rei Fukuhara, Bum-Kee Hong, Michael S. Lee,  
 Ruqiong Nie, Hidefumi Ohya, Taek Kyu Park,  
 Masayuki Sakurai, Masaki Tanabe,  
 Kenji Wagatsuma, Yicong Ye, Ken Yokoyama,  
 Robaayah Zambahari

7:00 AM **CHIP/Complex PCI in 2018: Practical, Operational, and Logistical Aspects**

David E. Kandzari

7:08 AM **Mechanical Support Devices in High-risk and/or Complex PCI: What and How?**

Michael S. Lee

7:16 AM **The Future of STEMI Care - The Impact of Disruptive Technology**

James Flaherty

7:24 AM **SVG Interventions: A-Z Techniques**

Chiung-Jen Wu

7:32 AM **CHIP PCI Guided by OCT**

Ziad A. Ali

7:40 AM **Complex Radial PCI: Must-Know Radial PCI Skills for the CHIP Operator**

Kenji Wagatsuma

7:40 AM **Interactive Discussion with Audience Q&A**

## Clinical Update on Synergy

Organized by CVRF and Supported by Educational Grant from Boston Scientific

### Endovascular Theater, Level 1

🕒 12:45 PM ~ 1:45 PM

Moderator Hyeon-Cheol Gwon  
Panelists Youngkeun Ahn, Javier Escaned, Byung Jin Kim, Myeong Kon Kim, Sang-Rok Lee, Sang Wook Lim, Hun Sik Park, Mahn-Won Park, Tae-Hyun Yang, Myeong-Ho Yoon

12:45 PM Introduction and Objectives  
Hyeon-Cheol Gwon

12:50 PM Updated Clinical Data on Synergy Stent  
Aloke V. Finn

1:15 PM DES and DAPT Strategy for Elderly Patients  
Si-Hyuck Kang

1:40 PM Take-Home Message  
Hyeon-Cheol Gwon

## Delivering More Innovation of the Interventional Portfolio, Further Together

Organized by CVRF and Supported by Educational Grant from Medtronic Korea plc.

### CTO Theater, Level 1

🕒 12:45 PM - 1:45 PM

Moderators Hyo-Soo Kim, Seung-Jea Tahk  
Panelists Byoung-Joo Choi, Chuan-Yu Gao, Jung-Sun Kim, Weon Kim, Bong-Ki Lee, Chang Hoon Lee, Hyun Jong Lee, Kyounghoon Lee, Seung Uk Lee, Yongwhi Park

12:45 PM Stenting Extra-Large Vessels in Daily Practice  
Tak-Shun Chung

12:57 PM Irregular Protrusion : Learned from OCT  
Hyuck Jun Yoon

1:09 PM Renal Denervation : Spyral HTN Off-Med  
Woong Chol Kang

1:21 PM Primary Prevention of SCD in Post-MI Patients and ICD Therapy  
Boyoung Joung

1:33 PM Discussion

## Reengineering the Art of EVAR: Overcome Limitations of Current Stentgraft. InCraft.

Organized by CVRF and Supported by Educational Grant from Cardinal Health Korea Ltd.

### Room 104, Level 1

🕒 12:45 PM ~ 1:45 PM

Moderator Seung-Woon Rha  
Panelists Woo Young Chung, Dong-Kie Kim, Sang Hoon Kim, Tae-Hoon Kim, Young-Guk Ko, Yoon Seok Koh, Ichihashi Shigeo

12:45 PM Opening Remarks  
Seung-Woon Rha

12:46 PM Experience and Benefit of InCraft Device  
Yoon Seok Koh

1:00 PM Why We Need an Ultra Low Profile Device for AAA Patient in Japan  
Ichihashi Shigeo

1:15 PM How to Overcome Limitations of Current Stentgraft  
Young-Guk Ko

1:30 PM Discussion and Q&A

1:44 PM Closing Remarks  
Seung-Woon Rha

## Benefit of New Generation BP-DES

Organized by CVRF and Supported by Educational Grant from Terumo Korea Corporation

### Room 105, Level 1

🕒 12:45 PM - 1:45 PM

Moderators Myung-Ho Jeong, Ki-Bae Seung  
Panelists Ajith Ananthakrishna Pillai, Sung-Ho Her, Je Sang Kim, Jin Won Kim, Chang-Wook Nam, Keun-Ho Park

12:45 PM Opening Remark  
Ki-Bae Seung

12:46 PM Physiologic Assessment for Bifurcation Lesion  
Bon-Kwon Koo

1:01 PM Bifurcation Stenting with KBT  
Cheol Woong Yu

1:16 PM CTO Techniques and Strategy for Complex Lesions  
Yuji Hamazaki

1:31 PM Q & A  
Myung-Ho Jeong

1:44 PM Closing Remark  
Myung-Ho Jeong

## Patient Based Approach with Bioresorbable Technologies

Organized by CVRF and Supported by Educational Grant from BIOTRONIK

### Room 201, Level 2

🕒 12:45 PM ~ 1:45 PM

Chair: Moo Hyun Kim  
Moderator: David E. Kandzari  
Panelists Ahmad Ashraf Zaini bin Amat @ Hj Anwar, Chee Yang Chin, Anil Dhall, Ching-Chang Huang, Jang Hoon Lee, Sang Min Park, Taek Kyu Park, Woo Jung Park

12:45 PM Introduction  
Moo Hyun Kim

12:49 PM Ultra-Thin Strut Bioresorbable Polymer DES : New Benchmark in the Field of DES  
David E. Kandzari

1:01 PM Discussion

1:06 PM Optimizing Treatment in Complex Patient - Case Presentation  
Fahim Haider Jafari

1:13 PM Optimizing Treatment in Complex Patient - Case Presentation  
Peter Barlis

1:20 PM Discussion

1:25 PM Resorbable Mg Scaffold: My Patient Based Approach  
Michael Kang-Yin Lee

1:37 PM Discussion

1:42 PM Take Home Message  
David E. Kandzari

## What to Consider to Select the Right Guide Wire

Organized by CVRF and Supported by Educational Grant from ASAHI INTECC CO.LTD

### Room 202, Level 2

🕒 12:45 PM - 1:45 PM

Moderators In-Ho Chae, Satoru Otsuji  
Panelists Kook-Jin Chun, Jung-Kyu Han, Young-Hoon Jeong, Won-Jang Kim, Jeong-Hun Shin, Jon Suh, Seong-Il Woo, Young Won Yoon

12:45 PM Opening Remark  
In-Ho Chae

12:46 PM What to Consider to Select the Right Guide Wire  
Kenya Nasu

1:30 PM Discussion

1:44 PM Closing Remark  
Satoru Otsuji

## Addressing Unmet Needs in the Treatment of CVD High-Risk Patients

Organized by CVRF and Supported by Educational Grant from Bayer Korea

### Room 1A, Level 3

🕒 12:45 PM ~ 1:45 PM

Moderators Taehoon Ahn, Seung-Ho Hur  
Panelists Yun-Kyeong Cho, Jae-Sik Jang, Jong-Young Lee, Jung-Won Suh, Hoyoun Won

12:45 PM Recent Update of Antithrombotic Treatment for NVAf Patients Undergoing PCI  
Pil-Ki Min

1:05 PM Identifying Patients with CAD or PAD at Highest Risk of Cardiovascular Events  
Chang-Hwan Yoon

1:25 PM Panel Discussion

## Updates on Antiplatelet Therapy in Cardiovascular Disease

Organized by CVRF and Supported by Educational Grant from ASPEN/HANDOK

📍 Room 2A, Level 3

🕒 12:45 PM ~ 1:45 PM

Moderator Dongkyu Jin  
Panelists Chan Joon Kim, June Hong Kim

12:45 PM Updates on Antiplatelet Therapy in Cardiovascular Disease  
Alan C. Yeung

## TAVI

Organized by CVRF and Supported by Educational Grant from Edwards Lifesciences Korea Co., Ltd.

📍 Valve Theater, Level 1

🕒 7:00 AM ~ 8:10 AM

Moderators Myeong-Ki Hong, Raj Makkar, Horst Sievert  
Panelists Vinayak Bapat, Wacim Buddhari, Jason Leung Kwai Chan, James Flaherty, Michael Haude, Kentaro Hayashida, Paul Hsien-Li Kao, Yoon Seok Koh, Thierry Lefevre, Mao-Shin Lin, Marie-Claude Morice, Quang Ngoc Nguyen, Kengo Tanabe, John Graydon Webb, Yongjian Wu, Jian (James) Ye

7:00 AM The Revolution of TAVI: My Personal Journey  
Marie-Claude Morice

7:08 AM TAVR Optimization: Patient/Device Selection and Procedural Perfection  
Kentaro Hayashida

7:16 AM TAVI: How Minimalistic Can We Become?  
Thierry Lefevre

7:24 AM Valve Thrombosis, Durability and Ongoing Antithrombotic Trials for TAVR  
Raj Makkar

7:32 AM Aortic and Mitral Valve-in-Valve: Tips, Tricks, and Data  
Vinayak Bapat

7:40 AM Mitral Toolbox: Annuloplasty, Neochordae, TMVR and More  
John Graydon Webb

7:48 AM Interactive Discussion with Audience Q&A

## Left Main & Bifurcation PCI

Organized by CVRF

📍 Coronary Theater, Level 1

🕒 7:00 AM ~ 8:10 AM

Moderators Yves R. Louvard, Imad Sheiban  
Panelists Khaled Al-Shaib, Vinay K. Bahl, Andy Wai-Kwong Chan, William Chi Kin Chan, Zhihi-Cherng Chen, Hyeon-Cheol Gwon, Suhas Hardas, Yutaka Hikichi, Junko Honye, Ken Kozuma, Hiroyuki Kyono, Chih-Kuan Liao, Sunao Nakamura, Masaaki Okutsu, Afzalur Rahman, Afsar Raza, Abdullah M.A. Shehab, Kin Ming Tam, Kin Lam Tsui, Kenji Wagatsuma, Ze-Sheng Xu

7:00 AM Distal Left Main Bifurcation PCI: Concept Is More Important.  
Jung-Min Ahn

7:08 AM Distal Left Main Bifurcation PCI: Technique Is More Important.  
Sunao Nakamura

7:16 AM Excel and Noble Trials: What Is the Impact on Clinical Practice Two Years Later?  
Imad Sheiban

7:24 AM PCI vs. CABG in LM and MVD: Time to Apply FFR for Decision-Making: Updated Data and FAME-3  
William F. Fearon

7:32 AM Contemporary Thinking of Optimal Bifurcation PCI: Current State-of-the-Art  
Yves R. Louvard

7:40 AM Updated Outcome of Real-World Bifurcation Registry: COBIS Series  
Hyeon-Cheol Gwon

7:48 AM Interactive Discussion with Audience Q&A

## Functional Angioplasty

Organized by CVRF and Supported by Educational Grant from Abbott

📍 Room 104, Level 1

🕒 7:00 AM ~ 8:00 AM

Moderators Takashi Akasaka, John McB. Hodgson, Seung-Jea Tahk  
Panelists Ziad A. Ali, Teeranang Angkananard, Li Wei Chen, Joon-Hyung Doh, Farhad Fouladvand, Eric Cho Tek Hong, Fahim Haider Jafari, Nils Johnson, Bon-Kwon Koo, Indulis Kumsars, Bong-Ki Lee, Bing Liu, Rony Mathew, Hitoshi Matsuo, Chang-Wook Nam, Hidetaka Nishina, Amin Ariff Nuruddin, Atsushi Takagi, Nobuhiro Tanaka, Mitsuyasu Terasima, Ping Tim Tsui

7:00 AM All the Data from IRIS-FFR Registry  
Seung-Jung Park

7:08 AM Role of FFR in ACS (uAP, NSTEMI, and STEMI): Still Doubtful?  
Bon-Kwon Koo

7:16 AM Resting Flow Ratio(RFR): A Novel Adenosine-Free Index for Physiological Assessment of Intermediate Coronary Lesions  
Ziad A. Ali

7:24 AM FFRCT in Routine Clinical Practice  
Hitoshi Matsuo

7:32 AM Interventional Physiology Using Cardiac PET  
Nils Johnson

7:40 AM Is Anatomic Complete Revascularization Really Necessary?  
William F. Fearon

7:48 AM Panel Discussion with Q & A



## Antithrombotic Therapy

Organized by CVRF and Supported by Educational Grant from Chong Kun Dang Pharm.

📍 Room 105, Level 1

🕒 7:00 AM ~ 8:00 AM

**Moderators** Dominick J. Angiolillo, David J. Cohen  
**Panelists** Junya Ako, Muhammad Abdullahil Baqui, Davide Capodanno, Jun-Jack Cheng, Nikolay Dimitrov, Chuan-Yu Gao, Eng Leong Goh, Joo-Yong Hahn, Nur Haryono, Omar Ismail, Young-Hoon Jeong, Zhen Guo Ji, Zheng Ji, Chong-Jin Kim, Neal S. Kleiman, Roxana Mehran, Yoshiki Nagata, Yoshihisa Nakagawa, Teerasak Neetiwatanapong, Tullio Palmerini, Kyung Woo Park, Renan Sukmawan, Tetsuya Tobaru, Yanmin Xu

## Atrial Fibrillation & ACS (PCI): Searching for the Sweet Spot

7:00 AM Ischemic and Bleeding Risk Prediction: Many Scores, Little Solutions

Tullio Palmerini

7:12 AM Triple vs. Dual Antithrombotic Therapy: Which Regimen & How Long?

Junya Ako

7:24 AM Panel Discussion with Q & A

## Prevention in Stable Post-MI: Single Potent vs. Gentle Dual Inhibition

7:30 AM Aspirin Plus P2Y12 Inhibitor Still Remains as a Key Player.

Dominick J. Angiolillo

7:42 AM Aspirin Plus NOAC Will Be the Standard of Care.

Roxana Mehran

7:54 AM Panel Discussion with Q & A

## Expanding Endovascular Treatment Options for Better Patients Care

Organized by CVRF and Supported by Educational Grant from Medtronic Korea plc.

📍 Valve Theater, Level 1

🕒 12:45 PM ~ 1:45 PM

**Moderators** Donghoon Choi, Young Wook Kim  
**Panelists** Ik Jun Choi, Jinmo Kang, Dong-Kie Kim, Su Hong Kim, Yoon Seok Koh, Jae-Hwan Lee, Sung Hun Park, Ravish Sachar

12:45 PM Opening Remarks

Donghoon Choi

12:50 PM Science Behind DCB and Update on the IN.PACT Clinical Program

Ravish Sachar

1:00 PM Vessel Preparation with Directional Atherectomy to Improve Clinical Outcomes

Su Hong Kim

1:10 PM Introduction of Heli-FX EndoAnchor

Young-Guk Ko

1:20 PM ENGAGE 5 Years

Jae-Kyu Kim

1:30 PM Discussion

1:40 PM Closing Remarks

Young Wook Kim

## Optimizing Outcomes in Complex PCI

Organized by CVRF and Supported by Educational Grant from Abbott

📍 Coronary Theater, Level 1

🕒 12:45 PM ~ 1:45 PM

**Moderator** Seung-Jung Park  
**Panelists** Jei Keon Chae, Young-Hoon Jeong, Si-Hyuck Kang, Hyun-Sook Kim, Jung-Sun Kim, Vincent On-Hing Kwok, Bong-Ki Lee, Seung Uk Lee, Hun Sik Park, Krishna Sudhir

12:45 PM Good Outcomes of Thromboresistant Polymer XIENCE at the Time of Non-Cardiac Surgery; Data from Skytree Registry

Kengo Tanabe

1:00 PM XIENCE Safety ; Review of XIENCE DAPT Clinical Evidence and Clinical Program

Gregg W. Stone

1:20 PM "Optimal PCI" OCT Guided XIENCE Optimization

Ziad A. Ali

1:40 PM Panel Discussion and Closing

Seung-Jung Park

## The State-of-the-Art Technologies for SFA Treatment: DES and Atherectomy

Organized by CVRF and Supported by Educational Grant from Boston Scientific

📍 Room 104, Level 1

🕒 12:45 PM ~ 1:45 PM

**Moderator** Seung-Whan Lee, Yoshiaki Yokoi  
**Panelist** Seung Hyuk Choi, Min-Ku Chon, Masahiko Fujihara, Saebeom Hur, Byung-Hee Hwang, Ung Kim, Pil Hyung Lee, Yang-Jin Park

12:45 PM Opening Remark

Yoshiaki Yokoi

12:50 PM What Is the Role of Rotational Atherectomy in Infrainguinal Lesions?

Jin Hyun Joh

1:10 PM Driving a Major Change in SFA Intervention

Masahiko Fujihara

1:35 PM Panel Discussion and Adjourn

Seung-Whan Lee

## The New Standard for High Bleeding Risk Patients: 1 Month DAPT with BioFreedom®

Organized by CVRF and Supported by Educational Grant from Cardinal Health Korea Ltd.

📍 Room 105, Level 1

🕒 12:45 PM ~ 1:45 PM

**Moderators** Yangsoo Jang, Shigeru Nakamura  
**Panelists** Sungsoo Cho, Ae-Young Her, Tae-Hoon Kim, Jun-Won Lee, Gaku Nakazawa, Ha Wook Park, Jong-Pil Park

12:45 PM Opening Remarks

Yangsoo Jang

12:46 PM "Who Are HBR Patients?" - Identification of HBR Patients in Clinical Practice

Dominick J. Angiolillo

12:57 PM "How Do We Manage HBR Patients?"- Polymer-Free DES in Elderly Patients

Byeong-Keuk Kim

1:08 PM "Biolimus A9 and Its Value"- Amazing Efficacy of Biolimus A9- Pathologic Findings

Gaku Nakazawa

1:21 PM "Clinical Outcomes with HBR" - LEADERS FREE JAPAN and Angioscopic Findings

Shimpei Nakatani

1:34 PM Discussion

1:44 PM Closing Remarks

Shigeru Nakamura

### Evidence Based Practice: Clinical Implementation of Newly Updated ESC Guideline & Real-World East Asian Data of P2Y12 Inhibitors

Organized by CVRF and Supported by Educational Grant from  
AstraZeneca Korea

#### 📍 Room 201, Level 2

🕒 12:45 PM ~ 1:45 PM

**Moderators** Myeong-Ki Hong, Seung-Ho Hur  
**Panelists** Sung Gyun Ahn, Jung Ho Heo, Chan Joon Kim,  
Choongki Kim, Weon Kim, Jin Bae Lee,  
Keun-Ho Park, Wook Bum Pyun

12:45 PM **Opening Remark**  
Seung-Ho Hur

12:50 PM **Proven Secondary Prevention Effect  
of Ticagrelor from 2017 ESC DAPT  
Guideline and PEGASUS TIMI-54**  
Joo-Yong Hahn

1:00 PM **Using Pattern and Clinical Impact of  
New Antiplatelet Agents on 1-Year  
Outcome After AMI: Korean Health  
Insurance Review and Assessment  
Data**  
Duk-Woo Park

1:10 PM **The Efficacy and Safety of Ticagrelor  
versus Clopidogrel in Acute Myocardial  
Infarction in Taiwan**  
Yi-Heng Li

1:20 PM **Panel Discussion**

1:40 PM **Closing Remark**  
Myeong-Ki Hong

### Revisit of Beta Blockers

Organized by CVRF and Supported by Educational Grant from  
Chong Kun Dang Pharm.

#### 📍 Room 205, Level 2

🕒 12:45 PM ~ 1:45 PM

**Moderators** Hyeon-Cheol Gwon, Kyoo-Rok Han  
**Panelists** Cheol Ung Choi, Seonghoon Choi, Byung Jin Kim,  
Ju Han Kim, Pil-Ki Min, Young Bin Song,  
Hyuck Jun Yoon

### Carvedilol : Broader & Better Beta Blocker

12:45 PM **Opening Remarks**  
Kyoo-Rok Han

12:50 PM **Beta Blocker Therapy in AMI Patients**  
Jung-Kyu Han

1:10 PM **Carvedilol : Old and New Insight**  
Jin Joo Park

1:30 PM **Discussion**

1:40 PM **Closing Remarks**  
Hyeon-Cheol Gwon

### Polymer-Free Angioplasty B. Braun Luncheon Symposium

Organized by CVRF and Supported by Educational Grant from B.Braun  
Korea, Ltd., Co.

#### 📍 Room 1A, Level 3

🕒 12:45 PM ~ 1:45 PM

**Moderators** Bon-Kwon Koo, Seung-Woon Rha  
**Panelists** Jeong-Hwan Cho, Yun-Hyeong Cho,  
Jong-Young Lee, Young Kyoung Sa,  
Jung-Won Suh

12:45 PM **Welcoming Address**  
Seung-Woon Rha

12:50 PM **Polymer-Free Sirolimus-Eluting Stents  
in a Large-Scale All-Comers Population**  
Soon Jun Hong

1:05 PM **Clinical Experience of 3-Month Dual  
Antiplatelet Therapy in Coroflex ISAR  
Stent**  
Myeong-Ho Yoon

1:20 PM **Drug-Eluting Balloon – Leaving  
Nothing Behind: Attractive Treatment  
with “Procedure Optimization”**  
Joo Myung Lee

1:35 PM **Discussion with Q&A**

1:40 PM **Closing Remark**  
Bon-Kwon Koo

### Secondary CV Prevention: Enhancing CV Outcomes: LDL-C and Beyond

Organized by CVRF and Supported by Educational Grant from  
Pfizer Pharmaceutical Korea

#### 📍 Room 2A, Level 3

🕒 12:45 PM ~ 1:45 PM

**Moderator** Kee-Sik Kim  
**Panelists** Tae-Hyun Yang, Young Won Yoon

12:45 PM **Enhancing CV Outcomes: LDL-C and  
Beyond**  
Cheol Woong Yu

Tuesday, May 1

Morning Roundtable Forum:  
Meet the Experts over Breakfast

### Complex Valve Intervention

Organized by CVRF and Supported by Educational Grant from  
Medtronic Korea plc.

#### 📍 Valve Theater, Level 1

🕒 7:00 AM ~ 8:10 AM

**Moderators** Eberhard Grube, John Graydon Webb  
**Panelists** Vinayak Bapat, Philipp Blanke, Mao Chen,  
Qiang Fu, Yingqiang Guo, Kentaro Hayashida,  
Young-Guk Ko, Michael Kang-Yin Lee,  
Vincent Luk, Luca Testa, Darren L. Walters,  
Yongjian Wu, Jian (James) Ye

7:00 AM **TAVR ViV: Techniques and Data**  
Darren L. Walters

7:08 AM **TAVR for Pure AR: J-Valve Experience**  
Yingqiang Guo

7:16 AM **Non-Femoral TAVR Access: Trans-  
Aortic, Trans-Caval, Trans-Carotid,  
Trans-Axillary, and More - Whom and  
How?**  
Jian (James) Ye

7:24 AM **Mitral Valve-in-Mitral Annular  
Calcification (ViMAC): New Options**  
Vinayak Bapat

7:32 AM **MitraClip and TMVR Complications  
and Failures**  
Eberhard Grube

7:40 AM **Interactive Discussion with Audience  
Q&A**



### Coronary Imaging and Vulnerable Plaque

Organized by CVRF and Supported by Educational Grant from Abbott

#### Coronary Theater, Level 1

7:00 AM ~ 8:00 AM

**Moderators** Ilk-Kyung Jang, Gregg W. Stone  
**Panelists** Takashi Akasaka, Ajith Ananthakrishna Pillai, So-Yeon Choi, Alope V. Finn, William Kongto Hau, Young Joon Hong, Jingbo Hou, Sang Wook Kim, Soo-Joong Kim, Nobuyuki Komiyama, Bon-Kwon Koo, Takashi Kubo, Akiko Maehara, Rohit Mody, Yoshinobu Onuma, Seung-Jung Park, Jun Pu, Hany Ragy, Evelyn Regar, Renu Virmani, Cheuk-Man Yu

#### Define Vulnerable Plaque: Opinion from Expert

7:00 AM Pathologic Perspective  
Renu Virmani

7:08 AM Coronary Imaging Perspective  
Akiko Maehara

7:16 AM Coronary Physiology Perspective  
Bon-Kwon Koo

7:24 AM Dynamic Changes of Non-culprit Lesion over Time Under Standard of Care Therapy  
Evelyn Regar

7:32 AM Summary and Thoughtful Comments  
Gregg W. Stone

7:40 AM PREVENT Trial: Update and Interesting Cases  
Seung-Jung Park

7:48 AM Discussion

### Interventional AF and HF Therapies

Organized by CVRF

#### Room 104, Level 1

7:00 AM ~ 8:10 AM

**Moderators** Maurice Buchbinder, Teguh Santoso  
**Panelists** Cheng-Hung Chiang, Suk Jung Choo, Cheol Hyun Chung, Ayan Kar, Wei-Chieh Lee, Woo Seok Lee, Antonia Anna Lukito, James R. Margolis, Young Keun On, Zhehao Piao, A.P.M. Sohrabuzzaman, Pintoko Tedjokusumo, Wojciech Wojakowski, Hang Zhang

7:00 AM Very Long-term Outcomes After LAA Closure  
Maurice Buchbinder

7:10 AM Electrical Neuromodulation and Renal Denervation for Heart Failure  
Wojciech Wojakowski

7:20 AM Less Invasive Left Ventricular Enhancement(LIVE-Revivent) for Treatment of Advanced Heart Failure: Technique and GLOBAL Data  
Teguh Santoso

7:30 AM Latest Innovations in Left Ventricular Assist Device (LVAD)  
Suk Jung Choo

7:40 AM Interactive Discussion with Audience Q&A

Tuesday, May 1

Lunchtime Activities

SATELLITE SYMPOSIUM & LEARNING CENTER | 105

### TAVR with Edwards SAPIEN 3

Organized by CVRF and Supported by Educational Grant from Edwards Lifesciences Korea Co., Ltd.

#### Valve Theater, Level 1

12:45 PM ~ 1:45 PM

**Moderators** In-Ho Chae, Alan C. Yeung  
**Panelists** Vinayak Bapat, Mao Chen, Seung Hyuk Choi, Kentaro Hayashida, Ju Han Kim, Shinichi Shirai, Wei-Hsien Yin, Cheol Woong Yu

12:45 PM Opening Remark  
Alan C. Yeung

12:50 PM TAVR Experience with Edwards SAPIEN 3 in Korea  
Cheol Woong Yu

1:05 PM How to Manage Complication TAVR Case  
Alan C. Yeung

1:20 PM Minimalist TAVR with Edwards SAPIEN 3 Valve  
Duk-Woo Park

1:35 PM Panel Discussion  
In-Ho Chae

### How State-of-the-Art Technology Improves Patient-Oriented Outcomes

Organized by CVRF and Supported by Educational Grant from Philips/BT Plus

#### Room 104, Level 1

12:45 PM - 1:45 PM

**Moderators** John McB. Hodgson, Bon-Kwon Koo  
**Panelists** Joon-Hyung Doh, Si-Hyuck Kang, Hyun Kuk Kim, Hyun Jong Lee, Joo Myung Lee

12:45 PM Opening Remark  
Bon-Kwon Koo

12:47 PM Optimal Treatment Strategy for AMI Patients with Non-Culprit Stenosis: The Role of Physiology Guidance  
Joo Myung Lee

1:02 PM Discussion

1:05 PM IVUS-Guided PCI Improves Patient Outcome: The Data Is Clear!  
John McB. Hodgson

1:20 PM Discussion

1:25 PM Non-Invasive Hemodynamic Assessment for ACS Risk  
Bon-Kwon Koo

1:40 PM Discussion

1:44 PM Closing Remark  
John McB. Hodgson

### Benefit of Adding Ezetimibe to Statin Therapy in Coronary Patients

Organized by CVRF and Supported by Educational Grant from MSD Korea

#### Room 105, Level 1

12:45 PM ~ 1:45 PM

**Moderator** Hun Sik Park  
**Panelist** Jong-Young Lee

12:45 PM Opening Remark  
Hun Sik Park

12:50 PM Benefit of Adding Ezetimibe to Statin Therapy in Coronary Patients  
Jong-Young Lee

1:30 PM Q&A and Discussion

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Endovascular Intervention

## EXHIBITION & MAP

EXHIBITION HALL	108
EXHIBITORS	109
MAP	110

# EXHIBITION HALL

108

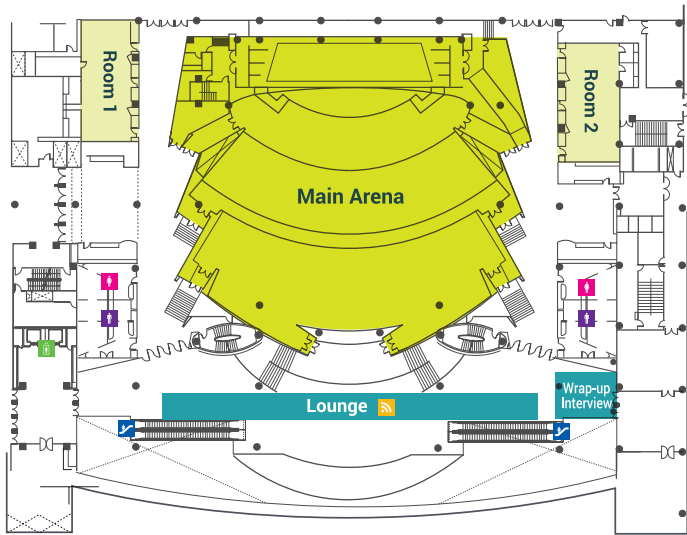


# EXHIBITORS

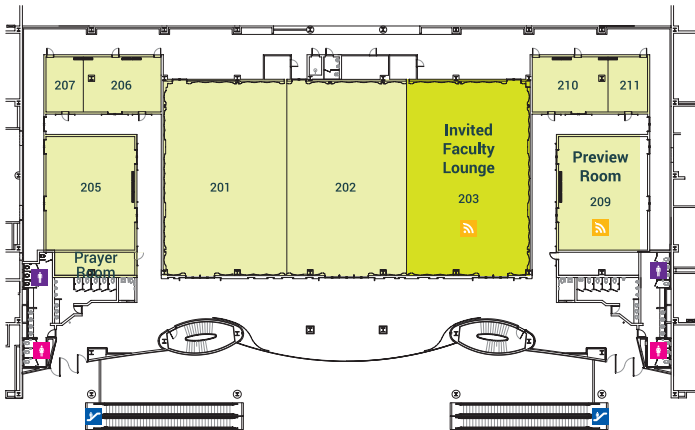
EXHIBITION GUIDE | 109

Company name	NO.	Company name	NO.
Abbott *Learning Center	B03	Korea Otsuka Pharmaceutical Co., Ltd.	B23
AICT Congress 2018	B43	Korean Society of Cardiology	B44
AMG KOREA CO.,LTD.	B12	Korean Society of Interventional Cardiology	B45
Amgen Korea	B22	Kyung Poong Pharma	B47
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Endologix Korea Ltd.	B34	Taiwan Transcatheter Therapeutics (TTT)	B42
Focusmedical Co., Ltd. / NIPRO / Infraredx	B18	Teleflex	B19
GE Healthcare	B24	Terumo Korea Corporation	B10
Guerbet Korea	B16	Yuhan Corporation	B38
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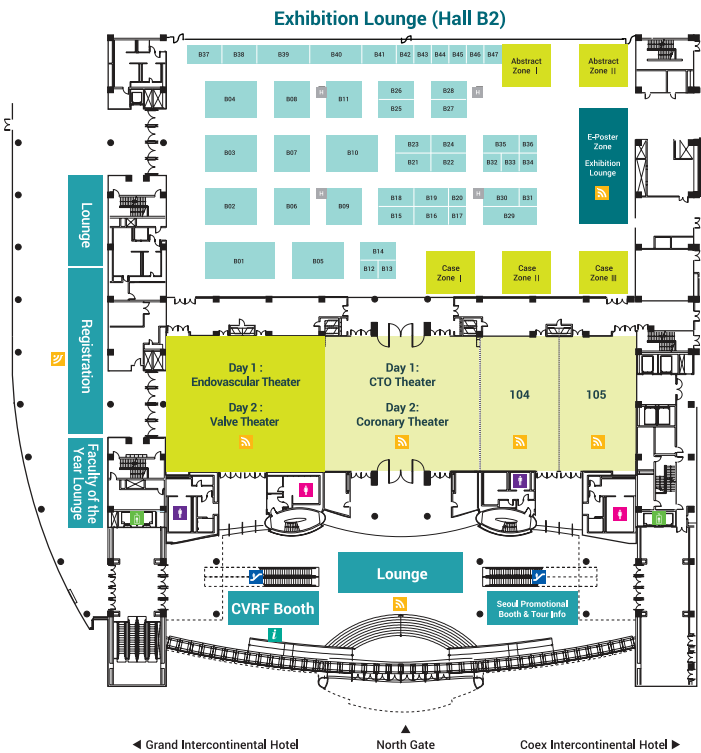
Level 3



Level 2



Level 1



- Information
- Men's Rest Room
- Women's Rest Room
- Wi-Fi
- Elevator
- Escalator



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# CCT 2018

Complex Cardiovascular Therapeutics 2018

**Dates** **October 25** thu. - **27** sat., 2018

**Venues** Kobe International Exhibition Hall  
Portopia Hotel, Kobe, Japan

CCT Website ➡ <http://cct.gr.jp/>

**Call for Abstracts & Cases Deadline**

**June 14** Thu., 2018

**Pre-registration**

**June 1** Fri. - **September 14** Fri., 2018



## CTO Club

The 19<sup>th</sup> Seminar  
of Angioplasty of Chronic Total Occlusions

**Dates** **June 15** Fri. - **16** Sat., 2018

**Venue** WINC AICHI, Nagoya, Japan

**Pre-registration deadline:**  
**Sunday, May 20, 2018**

<http://cct.gr.jp/ctoclub/>

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