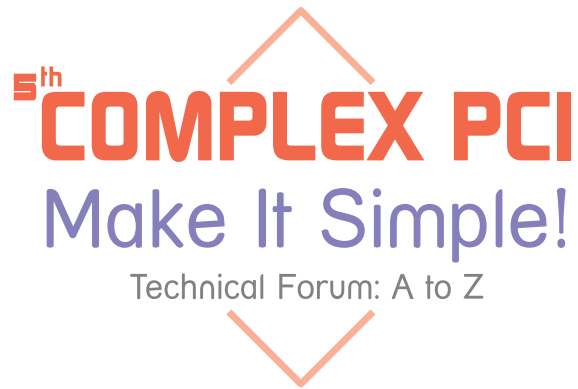


**Save the Dates!**



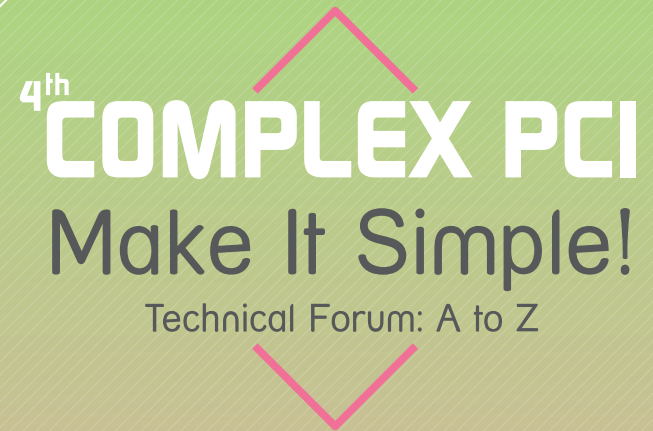
**November 26 - 27, 2020**  
**Grand Walkerhill Seoul, Korea**

[www.complex-pci.com](http://www.complex-pci.com)

Secretariat of Complex PCI 2019  
CardioVascular Research Foundation (CVRF)

2F Asan Institute for Education & Research, 88, Olympic-ro 43-Gil, Songpa-Gu, Seoul 05505, Korea  
Tel 82-2-3010-7254 | Fax 82-2-475-6898 | E-mail sohee@summitmd.com

Final Program



**NOVEMBER 28-29, 2019**  
**Grand Walkerhill Seoul, Korea**

[www.complex-pci.com](http://www.complex-pci.com)

## MEETING INFORMATION

### Course Directors

- ◆ Seung-Jung Park, MD
- ◆ Duk-Woo Park, MD
- ◆ Antonio Colombo, MD
- ◆ Toshiya Muramatsu, MD
- ◆ Teguh Santoso, MD
- ◆ Chiung-Jen Wu, MD

### Operators

- ◆ Seung-Jung Park, MD
- ◆ Myeong-Ki Hong, MD
- ◆ Seung-Whan Lee, MD
- ◆ Duk-Woo Park, MD
- ◆ Jung-Min Ahn, MD
- ◆ Pil Hyung Lee, MD
- ◆ Do-Yoon Kang, MD
- ◆ Antonio Colombo, MD
- ◆ Paul Hsien-Li Kao, MD
- ◆ Michael S. Lee, MD
- ◆ Thierry Lefevre, MD
- ◆ Toshiya Muramatsu, MD

### Learning Objectives

- ◆ Appropriate Patients Selection
- ◆ Appropriate Treatment Selection
- ◆ Review Interventional Techniques and Devices from the Fundamental to the Newest Point of View Related to Patient Care in the Complex Coronary Intervention Disease
- ◆ Compare and Contrast Different Approaches to Treat the Same Type of Lesion
- ◆ Learn Various Treatment Strategies through Reviewing Diverse Challenging Cases Submitted from All Around the World and Discussing with the World Renowned Experts


### Program Sponsorship and Support

COMPLEX PCI is organized by CardioVascular Research Foundation (CVRF) and supported by Heart Institute of Asan Medical Center (Seoul, Korea) and partially funded by educational grants from commercial supporters.

The CardioVascular Research Foundation wishes to extend special appreciation to Clinical Research Center for Ischemic Heart Disease for their continued support to our programs.



### Sponsorship Level

 <b>Diamond</b>	Abbott	
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 <b>Silver</b>	ASAHI INTECC CO.LTD / AMG KOREA Ltd. / Qualitech Korea Ltd.	
	MSD KOREA	Terumo Korea Corporation
	Teleflex	Pfizer Pharmaceutical Korea Ltd.
	BIOTRONIK	Siemens Healthineers

WATCH US ONLINE!  
**COMPLEX PCI WEBCAST**

**November 29, 8:30 AM - 4:30 PM**



<http://webcast.summitmd.com/complexpci/>

## November 28 (Thu)

### Case Presentation Session

🕒 13:00 ~ 14:00

### Case Presentation I

**Main Arena, B2 /** 13:00 ~ 14:00

**Moderators** Myeong-Ki Hong, Paul Hsien-Li Kao  
**Panelists** Barakath Badusha Abdul Kareem, Takashi Akasaka, Wook Hyun Cho, Sang-Wook Kim, Feng Yu Kuo, Atsunori Okamura, Manotosh Panja, Chris Kwok Yiu Wong, Cheng-Hsueh Wu, Young Won Yoon

13:00 A Delayed Iatrogenic Left Main PCI Due to Cardiac Catheter  
 Chris Kwok Yiu Wong

13:10 Transradial Orbital Atherectomy in ST-elevation Myocardial Infarction: An Unconventional Approach to a Calcified Culprit Lesion  
 Muhammad Imran Abdul Hafidz

13:20 RCA CTO Case Difficult to Keep Side Branch Open After Reverse CART  
 Rei Fukuhara

13:30 Hybrid PCI with DES and DEB at Totally Occluded Left Main Bifurcation Lesion  
 Sang Min Park

13:40 LM Trifurcation Disease  
 Tae-Oh Kim

13:50 Orbital Atherectomy for Calcified Coronary Artery Lesions  
 Kyoko Umeji

### Case Presentation II

**Room 1, B2 /** 13:00 ~ 14:00

**Moderators** Duk-Woo Park, Alan C. Yeung  
**Panelists** Chul-Min Ahn, Tanyarat Aramsareewong, William Chi Kin Chan, Jae Woong Choi, Saurabh Goel, Kyung Soo Kim, Jiunncherng Lin, Yoshinobu Murasato, Wook Bum Pyun, Chi Yuen Wong

13:00 Feasibility of IVUS-guided Rotational Atherectomy After Subintimal Wiring in Heavy Calcified Lesion  
 Phasakorn Putchagarn

13:10 Optical Coherence Tomography for Visualization of Coronary Arterial Spasm Induced by Balloon Dilatation  
 Yusuke Otsu

13:20 Primary Angioplasty of Left Main with Cardiogenic Shock & Pulmonary Oedema with Intra-Aortic Balloon Pump & Ventilatory Support  
 Hariom Tyagi

13:30 Drug Coated Balloon Therapy for Ischemic Cardiomyopathy  
 Erwin Mulia

13:40 Provisional-T or 2 Stent Technique in STEMI Patient  
 Szu-Chi Chien

13:50 How to Overcome Tortuous and Angulated Lesion at RCA STEMI  
 Min Woong Kim

### Technical Forum

🕒 14:00 ~ 18:00

### I. Key Complex Lesions - How to Conquer?

**Main Arena, B2 /** 14:00 ~ 15:20

**Moderators** Antonio Colombo, Duk-Woo Park  
**Panelists** Paiboon Chotnaratpat, Maoto Habara, Wei-Chun Huang, Min Su Hyon, Paul Hsien-Li Kao, Thierry Lefevre, Yoshinobu Murasato, Yoshiki Nagata, Satoru Otsuji, Kyung Woo Park

14:00 Integrated Use of Imaging and Physiology in Left Main PCI  
 Duk-Woo Park

14:10 Bifurcation Masterclass: Techniques A-to-Z  
 Thierry Lefevre

14:20 Never Underestimate the Calcium: Strategy for Heavily Calcified Lesions  
 Antonio Colombo

14:30 Panel Discussion with Q & A

14:40 CTO-PCI: Antegrade Wire Escalation - Expert's Secret  
 Satoru Otsuji

14:50 CTO-PCI: Retrograde Approach - Current Trend and Pitfalls  
 Maoto Habara

15:00 Conus Branch, An Often Forgotten Friend  
 Paul Hsien-Li Kao

15:10 Panel Discussion with Q & A

### II. Devices and Techniques - How to Master?

**Main Arena, B2 /** 15:20 ~ 16:40

**Moderators** Myeong-Ki Hong, Alan C. Yeung  
**Panelists** Jang-Ho Bae, Paul Toon Lim Chiam, Maoto Habara, Michael S. Lee, Seung-Wan Lee, Soo-Teik Lim, Chia-Pin Lin, Atsunori Okamura, Hoon Ki Park, Yoshito Yamamoto

15:20 Guidewire Updates: Concept and Technology  
 Seung-Wan Lee

15:30 Microcatheters: Tips and Tricks for Complex PCI  
 Maoto Habara

15:40 Guide Extension Catheters: Strong Support from Mother-Child Relationship  
 Jung-Min Ahn

15:50 Panel Discussion with Q & A

16:00 Balloon Updates: Types and Techniques  
 Soo-Teik Lim

16:10 Weapons for Crushing the Rock: Atherectomy Devices  
 Michael S. Lee

16:20 Many Many Stents: What Should I Select?  
 Alan C. Yeung

16:30 Panel Discussion with Q & A

# PROGRAM

## III. Nightmare Complications - How to Survive?

**Main Arena, B2 / 16:40 ~ 18:00**

**Moderators** Hyo-Soo Kim, Thierry Lefevre, Seung-Jung Park, Chiung-Jen Wu  
**Panelists** Yoshihide Fujimoto, Byeong-Keuk Kim, Jae-Hwan Lee, Zhen-Yu Liao, Mao-Shin Lin, Sunao Nakamura, Wei-Hsien Yin, Myeong-Ho Yoon

- 16:40 Managing Coronary Artery Perforation  
Sunao Nakamura
- 16:50 Where Is My Stent? - Stent Migration  
Do-Yoon Kang
- 17:00 Diamond in Stone: Burr Stuck During Rotablation  
Chiung-Jen Wu
- 17:10 Panel Discussion with Q & A
- 17:20 Stuck of Catheter: Cautions and Salvage  
Jae-Hwan Lee
- 17:30 Saving Coronary Artery: TAVR-related Coronary Obstruction  
Wei-Hsien Yin
- 17:40 How to Overcome the Closing-device Related Complications  
Pil Hyung Lee
- 17:50 Panel Discussion with Q & A

## Evening Symposium

🕒 18:00 ~ 20:00

## Complex PCI: Make It Simple!

**Main Arena, B2 / 18:00 ~ 20:00**

**Moderators** Antonio Colombo, Seung-Jung Park, Alan C. Yeung  
**Panelists** Jung-Min Ahn, Takashi Akasaka, Joo-Yong Hahn, Myeong-Ki Hong, Michael S. Lee, Thierry Lefevre, Duk-Woo Park, Kenji Sadamatsu, Chiung-Jen Wu

## Imaging for Complex PCI

- 18:00 Role of Imaging Between Complex Lesion Versus Simple Lesion  
Myeong-Ki Hong
- 18:10 Optimize Your Stent: A to Z of Imaging Guidance for PCI  
Takashi Akasaka
- 18:20 OCT Versus IVUS for Complex PCI  
Do-Yoon Kang
- 18:30 Discussion Between Panels and Audiences

## Physiology for Complex PCI

- 18:40 Why Mismatching? FFR vs. Angiographic %DS  
Seung-Jung Park
- 18:50 How to Treat Tandem Lesion Under Physiology-Guidance  
Jung-Min Ahn
- 19:00 Coronary Physiology and Hemodynamic Support During Complex PCI  
Michael S. Lee
- 19:10 Discussion Between Panels and Audiences

## Interventional Pharmacology - Hot Issues in 2020

- 19:20 Antithrombotic and Antiplatelet Choice in Complex PCI  
Duk-Woo Park
- 19:30 Antithrombotic Strategy in HBR Patients: Updated Strategy  
Joo-Yong Hahn
- 19:40 Antithrombotic Strategy in PCI and AF Patients: Updated Strategy  
Alan C. Yeung
- 19:50 Discussion and Audience Interaction

## November 29 (Fri)

## Breakfast Meeting

🕒 7:30 ~ 8:30

## Case Presentation I

**Main Arena, B2 / 7:30 ~ 8:30**

- Moderators** Myeong-Ki Hong, Thierry Lefevre  
**Panelists** Wacim Buddhari, Sreenivas Colanakuduru Gopal, Eric Cho Tek Hong, Jae-Sik Jang, Vincent On-Hing Kwok, Cheung Chi Simon Lam, Tetsuo Matsubara, Shamee Tanya Pereira, Tien-Yu Wu, Yong-Mo Yang
- 7:30 Unyielding Severely Calcified Undilatable Lesion After Rotablation & Orbital Atherectomy, What Next?  
Naveen A J
  - 7:40 Diffuse, Tortuous, and Calcified LAD Lesion Treated by Rotablation and Extension Catheter, Complicated by Dissection with Bail-out PCI; and Post-Intervention IVUS  
Carl Dominic Pancho Tolentino
  - 7:50 Reverse Wire Technique for the Treatment of Complex Bifurcated Lesions  
Katsuyuki Hasegawa
  - 8:00 Every Effort Applied in Revascularization of Left Anterior Artery Total Occlusion with Ambiguous Cap  
Feng Yu Kuo
  - 8:10 Unexpected Complication and Bailout in Left Main PCI  
Sundar Chidambaram
  - 8:20 An Anterior Wall MI Saved by a Step Mini Crush & Complicated by Longitudinal Stent Deformity  
Thomas George

# PROGRAM

## Case Presentation II

### Room 1, B2 / 7:30 ~ 8:30

**Moderators** Sunao Nakamura, Seung-Jea Tahk  
**Panelists** Chao Chien Chang, Huy Duc Dinh, Susi Hermingsih, Hyun-Sook Kim, Masaki Tanabe, Kyoko Umeki, Wenduo Zhang

- 7:30 Guidezilla Catheter Guided Rotablation of Angulated Left Circumflex Ostium Lesion  
*Hao Neng Fu*
- 7:40 A Weird Calcification Causing Rotablation Burr Stuck and Stent Uncrossable Lesion  
*Chao Wen Hsueh*
- 7:50 A Modified Jailed Inflated Balloon Technique Prevents Side Branch Compromise in Coronary Bifurcation Lesions  
*Takamori Kakino*
- 8:00 Symbol of Speed, Agility and Protection  
*Afrak Yousif Adam Haroon*
- 8:10 A Nightmare of Coronary Stent Balloon Non Deflation And Shaft Fracture  
*Prashanth Kulkarni*
- 8:20 Left Main Ostial Dissection  
*Chong Shaur Zheng*

## Case Presentation III

### Room 2, B1 / 7:30 ~ 8:30

**Moderators** Dong Woon Jeon, Satoru Otsuji  
**Panelists** Bum-Kee Hong, Jae-Hwan Lee, Sang Wook Lim, Jason Kwok Kong Loh, Alexey Sozykin, Tadashi Yamamoto

- 7:30 Complete Revascularization with Temporary Mechanical Circulatory Support for Severe Heart Failure  
*Tien-Ping Tsao*
- 7:40 Severe Calcified LAD and Severe AS with LV Dysfunction  
*Cheol Hyun Lee*
- 7:50 Role of Optical Coherence Tomography in Primary Percutaneous Intervention  
*Kit Chan*
- 8:00 OCT Guided PCI: A First Choice for Patients with High SYNTAX Score  
*Vladislav Ertman*
- 8:10 Drill and Shock  
*Jonathan Xinguo Fang*
- 8:20 CTO of LAD with Anterior Wall MI Retrograde Culotte  
*Arvind Yuvaraj Narsimhan*

## Case Presentation IV

### Room 3, B1 / 7:30 ~ 8:30

**Moderators** Paul Hsien-Li Kao, Soo-Teik Lim  
**Panelists** Mario Bollati, Jung-Sun Kim, Myeong Kon Kim, Amin Ariff Nuruddin, Mohammad Shafiqur Rahman Patwary, Seung-Woon Rha

- 7:30 Severe Coronary Calcification  
*Ju Hyeon Kim*
- 7:40 Aorto-ostial Dissection: Wait and See or Treat?  
*Sau Kong Chang*
- 7:50 Utility of DCA for ACS Lesion  
*Takuma Tsuda*
- 8:00 Young Male with AVR STEMI Complicating Cardiogenic Shock Due to Left Main Bifurcation Disease Successfully Treated with Culotte Technique  
*Aruna Wijesinghe*
- 8:10 Coronary Anomaly: A Anomalous Right Coronary Artery Originates from the Proximal of Left Anterior Descending Coronary Artery  
*Xuguang Qin*
- 8:20 Intervention of Left Main in Patient with Pancreatic Ampullary Carcinoma  
*Yee Sin Tey*

## Plenary Session

⌚ 8:30 ~ 13:10

## Opening Remark and Meeting Introduction

### Main Arena, B2 / 8:30 ~ 8:35

- 8:30 Opening Remark and Meeting Introduction  
*Seung-Jung Park*

## Live Case Demonstration 1

### Main Arena, B2 / 8:35 ~ 10:00

**Moderators** Myeong-Ki Hong, Thierry Lefevre, Seung-Jung Park  
**Panelists** Jang-Whan Bae, Hung-Ru Huang, Kee-Sik Kim, Michael S. Lee, Soo-Teik Lim, Masaaki Okutsu, Chong-Hiok Tan, Wei-Hsien Yin, Junghan Yoon

### Asan Medical Center, Seoul, Korea

- 8:35 Case #1~4  
*Operators: Duk-Woo Park, Jung-Min Ahn, Antonio Colombo, Do-Yoon Kang*

### Master's Keynote Lecture

- 9:50 Hand Down a Secret of Left Main PCI  
*Seung-Jung Park*

# PROGRAM

## Live Case Demonstration 2

Main Arena, B2 / 10:00 ~ 11:30

**Moderators** Seong-Wook Park, Chiung-Jen Wu, Alan C. Yeung  
**Panelists** William Chi Kin Chan, Kyoo-Rok Han, Hee-Yeol Kim, Hyo-Soo Kim, Vincent On-Hing Kwok, Chih-Kuan Liao, Toshiya Muramatsu, Pintoko Tedjokusumo, Kenji Wagatsuma

Asan Medical Center, Seoul, Korea

10:00 Case #5~8

**Operators:** Duk-Woo Park,  
 Seung-Whan Lee / Jaeseok Bae,  
 Paul Hsien-Li Kao / Jung-Min Ahn,  
 Seung-Jung Park / Do-Yoon Kang

### Master's Keynote Lecture

11:10 Hand Down a Secret of ISR PCI  
 Do-Yoon Kang

11:20 Hand Down a Secret of CTO PCI  
 Toshiya Muramatsu

## Live Case Demonstration 3

Main Arena, B2 / 11:30 ~ 13:10

**Moderators** Antonio Colombo, Seung-Jung Park, Seung-Jea Tahk  
**Panelists** Takashi Akasaka, Seung-Ho Hur, Tetsuya Ishikawa, Hyuck Moon Kwon, Tetsuo Matsubara, Yuichi Noguchi, Hun Sik Park, Kin Lam Tsui, Chris Kwok Yiu Wong

Asan Medical Center, Seoul, Korea

11:30 Case #9~12

**Operators:** Duk-Woo Park, Jung-Min Ahn,  
 Myeong-Ki Hong / Do-Yoon Kang,  
 Thierry Lefevre

### Master's Keynote Lecture

13:00 Hand Down a Secret of Calcified Lesion PCI  
 Antonio Colombo

## Lunchtime Activity

⌚ 12:00 ~ 13:20

## Case Presentation

Room 1, B2 / 12:00 ~ 13:20

**Moderators** Byung Ryul Cho, Chiung-Jen Wu  
**Panelists** Sau Kong Chang, Kay Woon Ho, Yong Hoon Kim, Bong-Ki Lee, Michael S. Lee, Deuk-Young Nah, Yoshihiro Noji, Kyoung-Ha Park

12:00 Invited Case: How to Make CTO-PCI Strategy with Well Understanding Lesion Morphology by Cardiac CT  
 Masaaki Okutsu

12:10 Untwisting the Twisted-Percutaneous Retrieval of Twisted Catheter in Brachial Artery Using a Percutaneous Transluminal Coronary Angioplasty Guide Wire and Balloon  
 Ajith Dissanayaka

12:20 Percutaneous Coronary Interventions in a Cardiogenic Shock Patient with the Use of 2 Type of Mechanical Support Devices  
 Ivan Tsang

12:30 Out of Sight, Out of Mind - A Case of Dislodged Stent in Orbital Atherectomy Case  
 Wan Faizal Bin Wan Rahimi Shah

12:40 5 Fr Guiding Catheter PCI for RCA Restenosis  
 Guo-Shu Huang

12:50 Percutaneous Coronary Intervention Three Times for a Chronic Complete Occlusion Case of Left Anterior Descending Branch  
 Qian Li

13:00 Calcified Native Multivessel High Risk PCI Without Rotablation  
 Mir Nesaruddin Ahmed

13:10 Small Vessel PCI- My Experience  
 Srichandran Lakshmi Narayanan

## PROGRAM

### Plenary Session

○ 13:10 ~ 16:30

### Live Case Demonstration 4

Main Arena, B2 / 13:10 ~ 15:00

Moderators Satoru Otsuji, Seung-Jung Park, Alan C. Yeung  
Panelists Wacim Buddhari, Maoto Habara, Yuji Hamazaki,  
Nae Hee Lee, Mahesh Babu Panchanathan,  
Kin Ming Tam, Tien-Ping Tsao, Tae-Hyun Yang,  
Kan Zen

Asan Medical Center, Seoul, Korea

13:10 Case #13~16

Operators: Jung-Min Ahn, Toshiya Muramatsu /  
Pil Hyung Lee, Duk-Woo Park,  
Jung-Min Ahn / Do-Yoon Kang

Master's Keynote Lecture

14:50 Hand Down a Secret of Bifurcation PCI  
Thierry Lefevre

### Live Case Demonstration 5

Main Arena, B2 / 15:00 ~ 16:25

Moderators Antonio Colombo, Thierry Lefevre, Seung-Jung Park  
Panelists Ramesh Adiraju, Noppadol Chamnamphol,  
Bipin Kumar Dubey, Fahim Haider Jafari, Zheng Ji,  
Byeong-Keuk Kim, Sunao Nakamura, Si-Hoon Park,  
I Gde Rusus Suryawan

Asan Medical Center, Seoul, Korea

15:00 Case #17~20

Operators: Michael S. Lee / Do-Yoon Kang,  
Duk-Woo Park, Jung-Min Ahn,  
Pil Hyung Lee

### Closing Remark and Wrap-up

Main Arena, B2 / 16:25 ~ 16:30

16:25 Closing Remark and Wrap-up  
Seung-Jung Park

## TRAINING CENTER

### November 28 (Thu)

### Product Training Presentation & Hands-on Demo along with Simulator Cases Training

Training Center, Room 1, B2

14:10 ~ 15:30

Organized by CVRF and Supported by Educational Grant from Teleflex

14:10 Introduction for Micro Catheter  
(Turnpike & Supercross)

14:20 Simulator Training

15:20 Questions and Wrap-up

### Rotablator Advanced Training

Training Center, Room 1, B2

16:00 ~ 17:30

Organized by CVRF and Supported by Educational Grant from Boston Scientific

16:00 Rotablator TIPS & TRICKS: Complex Situation  
Satoru Otsuji

16:30 Rotablator Hands-on

### Apply for Training Center

- ◆ The 30 seats are available at each session.
- ◆ First Come, First Served Basis
- ◆ Only COMPLEX PCI participants can register in this program.
- ◆ When the session is fully booked, its registration will be closed.
- ◆ There is no registration fee.

### On-site Registration

- ◆ Location: CVRF Booth, Vista Hall Lobby (B2), Grand Walkerhill Seoul, Korea
- ◆ Running Hour:  
November 28 (Thu) 11:00 ~ 17:15

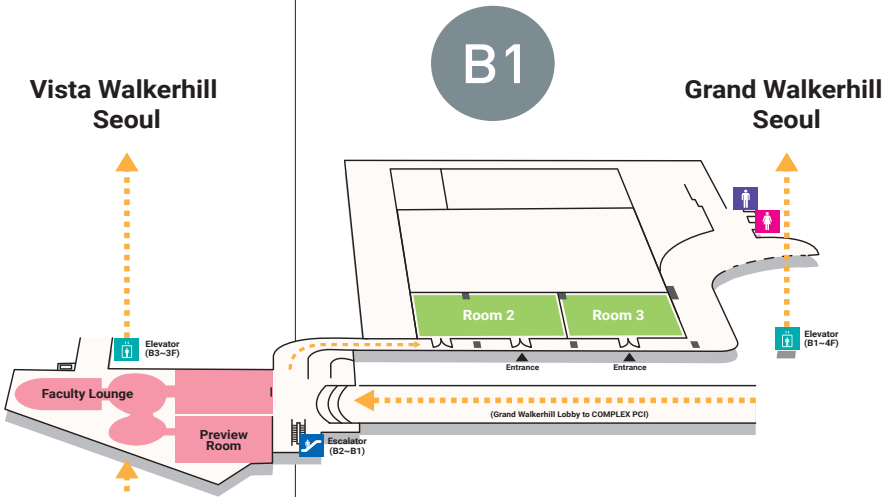
# FLOOR PLAN & EXHIBITION

## Venue

Vista Hall & Grand Hall, Grand Walkerhill Seoul, Korea

## Operating Hours

	November 28	November 29
Scientific Program	13:00 ~ 20:00	7:30 ~ 16:30
Registration		
Faculty Lounge	11:00 ~ 20:00	6:30 ~ 16:30
Preview Room		
CVRF Booth		
Exhibition	13:00 ~ 18:00	8:00 ~ 16:30



## Exhibition

Booth no.	Company Name
1~2	Abbott
3	Edwards Lifesciences Korea Co., Ltd.
4	Medtronic Korea plc.
5	Terumo Korea Corporation
6	Teleflex
7	MSD KOREA
8	CHONG KUN DANG
9	BIOTRONIK
10	Pfizer Pharmaceutical Korea Ltd.
11	ASAHI INTECC CO.LTD / AMG KOREA Ltd. / Qualitech Korea Ltd.
12	CJ HealthCare
13	Boston Scientific
14	Siemens Healthineers



# 9th AP VALVES & Structural Heart (LAA and PFO)

**August 6-7, 2020**  
Grand Walkerhill Seoul, Korea

**Case Submission**  
December 6-May 22, 2020

**Advance Registration**  
December 6-July 24, 2020

25<sup>th</sup> CARDIOVASCULAR SUMMIT

# TCTAP 2020

**April 25-27, 2020**  
COEX, Seoul, Korea

**Advance Registration**  
~ April 10, 2020



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