

**Save the Dates!**

**7<sup>th</sup> AP  
VALVES  
2018**

**August 2–4, 2018**

**Beijing, China**

Secretariat of AP VALVES 2017  
CardioVascular Research Foundation(CVRF)

2F Asan Institute for Education & Research, 88, Olympic-Ro 43-Gil, Songpa-Gu, Seoul, 05505, Korea  
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**6<sup>th</sup> AP  
VALVES  
2017**

**Final  
Program**

**August 16-18, 2017**

**Grand Walkerhill Seoul, Korea**



## MEETING INFORMATION

### Course Directors

- Runlin Gao, MD
- Eberhard Grube, MD
- Seung-Jung Park, MD
- Duk-Woo Park, MD
- Jung-Min Ahn, MD

### Course Co-Directors

- Kentaro Hayashida, MD
- Paul Hsien-Li Kao, MD
- Edgar Lik-Wui Tay, MD
- Jian-an Wang, MD
- Bo Xu, MD
- Kiyuk Chang, MD
- Myeong-Ki Hong, MD
- Hyo-Soo Kim, MD

### Learning Objectives

- Understand the Concept and Advances in Percutaneous Valve Implantation Technology
- Assess the Imaging Modalities Available for Diagnosis of Valvular Heart Disease
- Acquire the Skills Necessary to Perform Transcatheter Valve Therapies
- Describe Current and Future Therapeutic Options for Valvular Heart Disease
- Discuss Evaluation and Management of Patients with Valvular Heart Disease
- Address Controversial Issues in Management of Heart Valve Disease
- Identify When to Refer Patients for Surgery/Intervention
- Discuss the Setting-up of Heart Team for Valve Implantation

### Program Sponsorship and Support

AP VALVES 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 List



Medtronic Korea plc.	Edwards Lifesciences Korea Co., Ltd.
Venus Medtech	
Boston Scientific	
Abbott	Mitsubishi Tanabe Pharma Korea
Pfizer Pharmaceutical Korea Ltd.	



## FACULTY

### International Faculty

#### Philipp Blanke, MD

University of British Columbia & St. Paul's Hospital, Canada

#### Wacin Buddhari, MD

King Chulalongkorn Memorial Hospital, Thailand

#### Jason Leung Kwai Chan, MD

Queen Elizabeth Hospital, Hong Kong, China

#### Kam Tim Chan, MD

Queen Elizabeth Hospital, Hong Kong, China

#### Praveen Chandra, MD

Medanta Medicity, India

#### Mao Chen, MD

West China Hospital, China

#### Ying-Hwa Chen, MD

Veterans General Hospital, Taiwan

#### Paul TL Chiam, MD

Mount Elizabeth Hospital, Singapore

#### Nagendra Singh Chouhan, MD

Medanta Heart Institute, India

#### David J. Cohen, MD

Saint Luke's Mid America Heart Institute, USA

#### Eberhard Grube, MD

University Hospital Bonn, Germany

#### Kentaro Hayashida, MD

Keio University School of Medicine, Tokyo, Japan

#### Jimmy Kim Fatt Hon, MD

National University Hospital, Singapore

#### I-Chang Hsieh, MD

Linkou Chang Gung Memorial Hospital, Taiwan

#### Binoy John, MD

MIOT International, India

#### Paul Hsien-Li Kao, MD

National Taiwan University Hospital, Taipei, Taiwan

#### Nobuyuki Komiyama, MD

St. Luke's International Hospital, Japan

#### Xiangqing Kong, MD

Nanjing Medical University, China

#### Vijay Kumar, MD

Fortis Escorts Heart Institute, India

#### Yung-Tsai Lee, MD

ChengHsin General Hospital, Taiwan

#### Mao-Shin Lin, MD

National Taiwan University Hospital, Taiwan

#### Xianbao Liu, MD

The Second Affiliated Hospital of Zhejiang University, China

#### Vincent Luk, MD

Queen Elizabeth Hospital, Hong Kong, China

#### Raj Makkar, MD

Cedars-Sinai Medical Center, USA

#### Georg Nickenig, MD

University Hospital, Bonn, Germany

#### Fabio Enrique Posas, MD

St Luke's Medical Centre, Philippines

#### Tomohiro Sakamoto, MD

Saiseikai Kumamoto Hospital, Japan

#### Robert Schueler, MD

University Hospital, Bonn, Germany

#### Jan-Malte Sinning, MD

University Hospital, Bonn, Germany

#### Norio Tada, MD

Sendai Kosei Hospital, Japan

#### Edgar Lik-Wui Tay, MD

National University Heart Centre, Singapore

#### Kei Torikai, MD

Osaka University, Japan

#### Darren L. Walters, MD

Prince Charles Hospital, Australia

#### Jian-an Wang, MD

The Second Affiliated Hospital of Zhejiang University, China

#### Sunil Wani, MD

Kokilaben Dhirubhai Ambani Hospital, India

#### Nikos Werner, MD

University Hospital, Bonn, Germany

#### Jian (James) Ye, MD

St. Paul's Hospital, University of British Columbia, Canada

#### Alan C. Yeung, MD

Stanford University School of Medicine, USA

**Wei-Hsian Yin, MD**  
Cheng-Hsin General Hospital, Taipei, Taiwan

**Sung Han Yoon, MD**  
Cedars Sinai Medical Center, USA

## Korean Faculty

**Jung-Min Ahn, MD**  
Asan Medical Center

**Jaeho Byeon, MD**  
The Catholic University of Korea, Seoul St. Mary's Hospital

**Byung Chul Chang, MD**  
Severance Hospital

**Kiyuk Chang, MD**  
The Catholic University of Korea, Seoul St. Mary's Hospital

**Mineok Chang, MD**  
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**Cheol Ung Choi, MD**  
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**Seung Hyuk Choi, MD**  
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**Young Jin Choi, MD**  
Sejong General Hospital

**Suk Jung Choo, MD**  
Asan Medical Center

**Cheol Hyun Chung, MD**  
Asan Medical Center

**Woo-Baek Chung, MD**  
Yeouido St. Mary's Hospital

**Donghoon Han, MD**  
Hallym University Hangang Sacred Heart Hospital

**Jung-Kyu Han, MD**  
Seoul National University Hospital

**Ran Heo, MD**  
Asan Medical Center

**Geu Ru Hong, MD**  
Severance Hospital

**Myeong-Ki Hong, MD**  
Severance Hospital

**Seung-Ho Hur, MD**  
Keimyung University Dongsan Medical Center

**Jae-Sik Jang, MD**  
Inje University Pusan Paik Hospital

**Uk Jo, MD**  
Incheon Sarang Hospital

**Sung-Ho Jung, MD**  
Asan Medical Center

**Do-Yoon Kang, MD**  
Asan Medical Center

**Duk-Hyun Kang, MD**  
Asan Medical Center

**Se Hun Kang, MD**  
CHA Bundang Medical Center, CHA University

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Seoul National University Children's Hospital

**Hyo-Soo Kim, MD**  
Seoul National University Hospital

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**Jun Bum Kim, MD**  
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Daegu Catholic University Medical Center

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Kangwon National University Hospital

**Cheol Whan Lee, MD**  
Asan Medical Center

**Chulhyun Lee, MD**  
Asan Medical Center

**Jae Won Lee, MD**  
Asan Medical Center

**Jae-Hwan Lee, MD**  
Chungnam National University Hospital

**Jin Bae Lee, MD**  
Daegu Catholic University Medical Center

**Jong-Young Lee, MD**  
Kangbuk Samsung Hospital

**Nae Hee Lee, MD**  
SoonChunHyang University Hospital Bucheon

**Pil Hyung Lee, MD**  
Asan Medical Center

**Seung-Whan Lee, MD**  
Asan Medical Center

**Se-Whan Lee, MD**  
Soonchunhyang University Cheonan Hospital

**Duk-Woo Park, MD**  
Asan Medical Center

**Gyung-Min Park, MD**  
Ulsan University Hospital, University of Ulsan College of Medicine

**Ha Wook Park, MD**  
The Catholic University of Korea, Daejeon St. Mary's Hospital

**Hanbit Park, MD**  
Asan Medical Center

**Jinsik Park, MD**  
Sejong General Hospital

**Kyung Woo Park, MD**  
Seoul National University Hospital

**Pyo Won Park, MD**  
Samsung Medical Center

**Seung-Jung Park, MD**  
Asan Medical Center

**Sung-Ji Park, MD**  
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Korea University Guro Hospital

**Chi Young Shim, MD**  
Severance Hospital

**Eun-Seok Shin, MD**  
Ulsan University Hospital

**Ji-Yeon Sim, MD**  
Asan Medical Center

**Jae-Kwan Song, MD**  
Asan Medical Center

**Jong-Min Song, MD**  
Asan Medical Center

**Cheol Woong Yu, MD**  
Korea University Anam Hospital

## Case Presenter

**Amir Aziz Alkatiri, MD**  
National Cardiovascular Center Harapan Kita, Indonesia

**Ajith Ananthakrishna Pillai, MD**  
Jawaharlal Institute of Postgraduate Medical Education and Research, India

**Jiandong Ding, MD**  
Zhongda Hospital, Southeast University, Nanjing, China

**Sang Jin Ha, MD**  
GangNeung Asan Hospital, Korea (Republic of)

**Brian W Hummel, MD**  
Lee Health, USA

**Ahmad Pandu Pratama, MD**  
Department of Cardiology and Vascular Medicine, Indonesia

**Tiu-Lin Wang, MD**  
Shin Kong Wu-ho shi memorial hospital, Taiwan

**Wei-Hsian Yin, MD**  
Cheng Hsin General Hospital, Taiwan



## Wednesday, 16

### AP VALVES Featuring Clinical Workshop: TAVR Journey from Good to Great and More

#### #1. TAVR at the Basics: Step-by-Step Streaming Procedure

2:00 PM ~ 3:20 PM

Moderators Raj Makkar, Duk-Woo Park

2:00 PM [Taped Case] TAVR with Sapien  
Duk-Woo Park

Moderators Jung-Min Ahn, Eberhard Grube

2:40 PM [Taped Case] TAVR with Evolute  
Jung-Min Ahn

#### #2. TAVR Beyond the Basics - Challenging and Complex Cases

3:20 PM ~ 4:05 PM

Moderators Eberhard Grube, Myeong-Ki Hong  
Panelists Wacin Buddhari, Kam Tim Chan, Mao Chen, Nagendra Singh Chouhan, Binoy John, Sung Han Yoon

##### Keynote Lectures

3:20 PM TAVR of High-Risk/Complex Patients: For Whom and with?  
Eberhard Grube

##### Case Reviews

3:35 PM Bicuspid Valve Disease: Which Valve and How to Do?  
Sung Han Yoon

3:45 PM Discussion of Strategies with Q&A

3:50 PM Severe Calcification and Coronary Disease: How to Overcome?  
Kiyuk Chang

4:00 PM Discussion of Strategies with Q&A

#### #3. TAVR for Perfection - Complication Management

4:05 PM ~ 4:50 PM

Moderators Hyo-Soo Kim, Raj Makkar, Seung-Jung Park  
Panelists Jung-Min Ahn, Jason Leung Kwai Chan, Nobuyuki Komiyama, Vijay Kumar, Yung-Tsai Lee, Edgar Lik-Wui Tay

##### Keynote Lectures

4:05 PM Avoiding the TAVR Complications: Best Practices in 2017  
Raj Makkar

##### Case Reviews

4:20 PM Aortic Root Injury: How to Expect and When to Say No?  
Norio Tada

4:30 PM Discussion of Strategies with Q&A

4:35 PM Conduction Abnormality: How to Avoid and How to Manage?  
Won-Jang Kim

4:45 PM Discussion of Strategies with Q&A

#### #4. Mitral and Tricuspid Valvular Interventions

4:50 PM ~ 5:30 PM

Moderators Seung-Jung Park, Jian (James) Ye  
Panelists Philipp Blanke, Kiyuk Chang, Paul TL Chiam, Won-Jang Kim, Yoon Seok Koh, Xiangqing Kong, Vincent Luk, Sung Han Yoon

##### Keynote Lectures

4:50 PM The Evolution of Mitral and Tricuspid Valve Interventions: What It Is? and Where It Needs to Go?  
Alan C. Yeung

##### Case Reviews

5:05 PM Mitral & Tricuspid Repair: Which Devices and How to Do?  
Jian (James) Ye

5:17 PM Discussion of Strategies with Q&A

## Evening Symposium



### Updated Lecture & Challenging Case Discussion with Expert

6:00 PM ~ 8:00 PM

Moderators Eberhard Grube, Seung-Jung Park  
Panelists Jung-Min Ahn, Wacin Buddhari, Mao Chen, Myeong-Ki Hong, Hyo-Soo Kim, Raj Makkar, Duk-Woo Park, Norio Tada, Jian (James) Ye, Alan C. Yeung

#### Special Lecture on Latest Updates and Future Perspective

6:00 PM New Mainstream TAVR  
Eberhard Grube

6:10 PM TAVR Issues: Leaflet Thrombosis and Durability  
Raj Makkar

6:20 PM Mitral and Tricuspid Repair and TMVR: Whom to Be a Candidate and How Much Expand?  
Jian (James) Ye

6:30 PM Discussion and Q&A

#### Challenging Case Discussion in A-P Area: Deep-Dive Strategic Talks with Experts

6:40 PM Challenging Case from Japan  
Norio Tada

6:50 PM Expert Comment  
Eberhard Grube

6:55 PM Challenging Case from China  
Mao Chen

7:05 PM Expert Comment  
Raj Makkar

7:10 PM Challenging Case from Thailand  
Wacin Buddhari

7:20 PM Expert Comment  
Seung-Jung Park

7:25 PM Challenging Case from Korea  
Chulhyun Lee

7:35 PM Expert Comment  
Alan C. Yeung

7:40 PM Panel Discussion with Q & A

## Thursday, 17

### Breakfast Meeting



#### Mitral Valve

7:30 AM ~ 8:30 AM

Moderators Raj Makkar, Seung-Jung Park, Darren L. Walters  
Panelists Jung-Min Ahn, Philipp Blanke, Paul TL Chiam, Jian (James) Ye, Alan C. Yeung, Wei-Hsian Yin, Sung Han Yoon

7:30 AM Case Selection and Planning to Optimize MitraClip Success  
Philipp Blanke

7:40 AM Outcomes of MitraClip in FMR and DMR  
Darren L. Walters

7:46 AM Transcatheter Mitral Valve-in-Valve/ Ring Implantation  
Sung Han Yoon

7:54 AM Challenges and Solutions in MitraClip: Learning from Expert Experiences  
Raj Makkar

8:02 AM Transcatheter Mitral Valve Replacement: Current Status  
Jian (James) Ye

8:18 AM Discussion

### Plenary Session

#### Live Case Session I

8:30 AM ~ 10:00 AM

Moderators Seung-Jung Park, Alan C. Yeung  
Discussants Praveen Chandra, Kiyuk Chang, Mao Chen, Suk Jung Choo, Eberhard Grube, Binoy John, Paul Hsien-Li Kao, Xiangqing Kong, Duk-Woo Park, Wei-Hsian Yin

8:30 AM The Second Affiliated Hospital of Zhejiang University, China

1<sup>st</sup> Operator Jian-an Wang  
2<sup>nd</sup> Operator Xianbao Liu



## Opening & Lecture I

10:00 AM ~ 11:00 AM

*Moderators* Myeong-Ki Hong, Raj Makkar, Seung-Jung Park  
*Panelists* Jian (James) Ye, Alan C. Yeung

10:00 AM **Opening Remark**  
Seung-Jung Park

### Key Note Lectures: Hottest TAVR Issues

10:05 AM **Complex TAVR for Specific Challenging Cases - How to Do in Practice?**  
Eberhard Grube

10:15 AM **TAVR Outcome Issues: Thrombosis and Durability**  
Raj Makkar

10:25 AM **TAVR for Low Risk Patients: Interventionist's Viewpoint**  
Alan C. Yeung

10:35 AM **TAVR for Low Risk Patients: Surgeon's Viewpoint**  
Jian (James) Ye

10:45 AM **Discussion and Q&A**

## Live Case Session II. TAVR

11:00 AM ~ 12:30 PM

*Moderators* Byung Chul Chang, Myeong-Ki Hong, Raj Makkar  
*Discussants* Kam Tim Chan, Paul TL Chiam, Young Jin Choi, Seung-Ho Hur, Jae-Hwan Lee, Seung-Whan Lee, Edgar Lik-Wui Tai

Asan Medical Center, Seoul, Korea

11:00 AM **Case #1**  
1<sup>st</sup> Operator Seung-Jung Park  
2<sup>nd</sup> Operator Jung-Min Ahn

**Case #2**  
1<sup>st</sup> Operator Eberhard Grube  
2<sup>nd</sup> Operator Duk-Woo Park

*Echo Interpreter* Ran Heo  
*CT Interpreter* Do-Yoon Kang

## Lunchtime Activity



### Case Presentations

12:30 PM ~ 2:00 PM

*Moderators* Seung-Jung Park, Alan C. Yeung  
*Panelists* Wacin Buddhari, Kam Tim Chan, Paul TL Chiam, Binoy John, Sunil Wani, Jian (James) Ye, Wei-Hsian Yin

12:30 PM **Valve-in-Valve**  
Jian (James) Ye

12:40 PM **Challenging Access or Vascular Complication**  
Paul Hsien-Li Kao

12:50 PM **The Importance of Mycotic Aneurysm and Perivalvular Abscess as Complication of Infective Endocarditis: A Rare Serial Cases Report**  
Ahmad Pandu Pratama

1:00 PM **Late Onset of Bioprosthetic Valve Dysfunction Due to Pannus Formation**  
Sang Jin Ha

1:10 PM **Mitral Valve Replacement with Off Label Trans Septal Catheter Delivery of Edwards Sapien 3 Bioprosthesis**  
Brian W Hummel

1:20 PM **Valve-in-valve Transcatheter Aortic Valve Implantation with the Core Valve**  
Jiandong Ding

1:30 PM **Hemolysis After Transcatheter Aortic Valve Implantation with Core Valve on Bicuspis AS**  
Tzu-Lin Wang

1:40 PM **Severe Calcification**  
Kentaro Hayashida

## Plenary Session

### Live Case Session III

2:00 PM ~ 2:45 PM

*Moderators* Eberhard Grube, Hyo-Soo Kim, Seung-Jung Park  
*Discussants* Wacin Buddhari, Seung Hyuk Choi, Yoon Seok Koh, Nobuyuki Komiyama, Ohchoon Kwon, Yung-Tsai Lee, Kyung Woo Park, Jian (James) Ye

Asan Medical Center, Seoul, Korea

2:00 PM **Case #3**  
1<sup>st</sup> Operator Myeong-Ki Hong  
2<sup>nd</sup> Operator Jung-Min Ahn

*Echo Interpreter* Ran Heo  
*CT Interpreter* Do-Yoon Kang

### Lecture II. Experienced and Efficient TAVR

2:45 PM ~ 4:00 PM

*Moderators* Seung-Jung Park, Darren L. Walters  
*Panelists* Philipp Blanke, Kiyuk Chang, Eberhard Grube, Kentaro Hayashida, Raj Makkar, Alan C. Yeung

2:45 PM **Heart Team Decision-Making: How to Collaborate in Reality?**  
Kentaro Hayashida

2:55 PM **Standard vs. Minimalist TAVR: When and How to Change?**  
Duk-Woo Park

3:05 PM **Advanced or New TAVR Imaging Modalities: What Is It?**  
Philipp Blanke

3:15 PM **Sizing Strategy and PVL Management: Most Experienced Strategy**  
Alan C. Yeung

3:25 PM **Coronary or Cerebral Protection: When and How?**  
Eberhard Grube

3:35 PM **Peri- and Post-Antithrombotics TAVR**  
Raj Makkar

3:45 PM **Panel Discussion with Q & A**

## Live Case Session IV

4:00 PM ~ 5:30 PM

*Moderators* Eberhard Grube, Seung-Jung Park, Darren L. Walters  
*Discussants* Philipp Blanke, Paul Hsien-Li Kao, Won-Jang Kim, PilHyung Lee, Mao-Shin Lin, Jinsik Park, Sunil Wani, Sung Han Yoon, Cheol Woong Yu

4:00 PM **Heart Center Bonn, University Hospital Bonn, Bonn, Germany**

1<sup>st</sup> Operator Georg Nickenig  
2<sup>nd</sup> Operator Nikos Werner  
3<sup>rd</sup> Operator Jan-Malte Sinning  
4<sup>th</sup> Operator Robert Schueler

**Friday, 18**

## Breakfast Meeting



### New Frontier in THV Treatment

7:30 AM ~ 8:30 AM

*Moderators* Darren L. Walters, Jian (James) Ye  
*Panelists* Jason Leung Kwai Chan, Mao Chen, Kentaro Hayashida, I-Chang Hsieh, Kyung Woo Park, Jae-Kwan Song

### TVT for TR

7:30 AM **Natural History of TR and Optimal Treatment**  
Jae-Kwan Song

7:40 AM **TR Treatment Through Catheter: Forma, Triliagn, and Cardioband**  
Darren L. Walters

7:50 AM **Discussion**

### TAVR for Pure AR

8:00 AM **Selection of Case and Preprocedural Planning**  
Mao Chen

8:10 AM **Taped Demonstration and Clinical Experience**  
Jian (James) Ye

8:20 AM **Discussion**



## Plenary Session

### Live Case Session V

8:30 AM ~ 10:00 AM

**Moderators** Seung-Jung Park, Darren L. Walters,  
Jian (James) Ye

**Discussants** Philipp Blanke, Nagendra Singh Chouhan,  
Cheol Hyun Chung, Eberhard Grube,  
Bon-Kwon Koo, Yung-Tsai Lee, Mao-Shin Lin,  
Vincent Luk, Ha Wook Park, Norio Tada,  
Cheol Woong Yu

Asan Medical Center, Seoul, Korea

#### 8:30 AM Case #4

1<sup>st</sup> Operator Raj Makkar  
2<sup>nd</sup> Operator Duk-Woo Park

#### Case #5

1<sup>st</sup> Operator David J. Cohen  
2<sup>nd</sup> Operator Jung-Min Ahn

Echo Interpreter Ran Heo  
CT Interpreter Do-Yoon Kang

### Lecture III. MV Repair, TMVR, and TV Repair

10:00 AM ~ 10:45 AM

**Moderators** Seung-Jung Park, Jian (James) Ye

**Panelists** Philipp Blanke, Jae-Kwan Song, Edgar Lik-Wui Tay,  
Darren L. Walters

10:00 AM Mitral Repair: Devices and Data  
Edgar Lik-Wui Tay

10:08 AM TMVR: Devices and Data  
Jian (James) Ye

10:16 AM Tricuspid Repair: Devices and Data  
Darren L. Walters

[Debate] MR and TR - Interventional  
Candidate or Just Functional Disease?

10:24 AM Yes, Good Candidate for Intervention  
Darren L. Walters

10:32 AM No, Functional Disease to Be  
Medically Managed  
Jae-Kwan Song

10:40 AM Panel Discussion

### Live Case Session VI

10:45 AM ~ 12:00 PM

**Moderators** Raj Makkar, Seung-Jung Park, Alan C. Yeung

**Discussants** Jason Leung Kwai Chan, Mao Chen,  
Cheol Ung Choi, Seung Hyuk Choi, David J. Cohen,  
Kentaro Hayashida, I-Chang Hsieh, Young-Guk Ko,  
Vijay Kumar, Tomohiro Sakamoto, Wei-Hsian Yin

Asan Medical Center, Seoul, Korea

#### 10:45 AM Case #6

1<sup>st</sup> Operator Duk-Woo Park

#### Case #7

1<sup>st</sup> Operator Hyo-Soo Kim  
2<sup>nd</sup> Operator Jung-Min Ahn

Echo Interpreter Ran Heo  
CT Interpreter Do-Yoon Kang

### Lecture IV. Challenging TAVR Issues

12:00 PM ~ 12:55 PM

**Moderators** Eberhard Grube, Seung-Jung Park, Alan C. Yeung

**Panelists** David J. Cohen, Wei-Hsian Yin, Sung Han Yoon

12:00 PM TAVR: Insight From QOL and  
Economic Evaluation  
David J. Cohen

12:10 PM Bicuspid AV: Device Selection, Sizing,  
and Optimization  
Sung Han Yoon

12:18 PM Bioprosthetic Valve Fracture for  
Optimizing the Results of Valve in  
Valve TAVR  
David J. Cohen

12:28 PM Severe Calcification: Avoid or  
Overcome  
Eberhard Grube

12:36 PM PVL: How to Prevent and How to  
Treat?  
Alan C. Yeung

12:44 PM Aortic or Mitral Valve-in-Valve:  
Data and Devices  
Wei-Hsian Yin

12:52 PM Discussion and Q&A

## Lunchtime Activity



### Case Presentations

12:55 PM ~ 2:00 PM

**Moderators** Seung-Jung Park, Alan C. Yeung

**Panelists** Praveen Chandra, Kiyuk Chang, I-Chang Hsieh,  
Paul Hsien-Li Kao, Hyo-Soo Kim, Vincent Luk,  
Tomohiro Sakamoto, Darren L. Walters,  
Wei-Hsian Yin

### Challenging Case Presentation

12:55 PM Bicuspid  
Kiyuk Chang

1:05 PM TAVI , LAO and Cerebral Protection  
Device in Same Procedure  
Vincent Luk

1:15 PM Mitral Para Valve Leak Closure with  
Multiple Devices  
Ajith Ananthakrishna Pillai

1:25 PM Transcatheter Mitral Valve-in-valve  
and Occluder Closure for Recurrent  
Leaks After Transcatheter Closure of  
Paravalvular Leak  
Wei-Hsian Yin

1:35 PM Emergency Percutaneous  
Transvenous Mitral Commissurotomy  
(PTMC) in Rheumatic Mitral Stenosis  
with Intractable Pulmonary Edema  
and Pneumonia  
Amir Aziz Alkatiri

1:45 PM Valve-in-Valve Technique  
Hyo-Soo Kim

## Plenary Session

### Lecture V & Closing Remark

2:00 PM ~ 3:30 PM

**Moderators** Eberhard Grube, Seung-Jung Park,  
Darren L. Walters

**Panelists** Jung-Min Ahn, Kentaro Hayashida,  
Nobuyuki Komiyama, Raj Makkar, Alan C. Yeung

### Valve Trialists: What Is Going On?; Focused Update

2:00 PM TAVR Clinical Trials  
Alan C. Yeung

2:08 PM TAVR Registry  
Raj Makkar

2:16 PM European Registry  
Eberhard Grube

2:24 PM Australian Registry  
Darren L. Walters

2:32 PM Ocean-TAVI Registry  
Kentaro Hayashida

2:40 PM Asian Pacific TAVR Registry  
Jung-Min Ahn

2:48 PM Discussion and Q&A

### Future Perspective on Valve Interventions

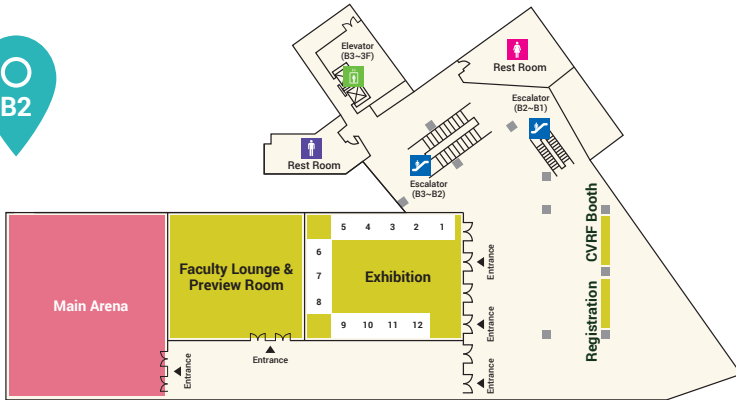
3:00 PM TAVR - Moving to Lower Risk:  
STS or Age Per Se?  
Duk-Woo Park

3:08 PM MV and TV Repair - Current Status  
and Innovative Future  
Alan C. Yeung

3:16 PM Discussion and Q&A

3:24 PM Closing Remark  
Seung-Jung Park

## MAP / EXHIBITION

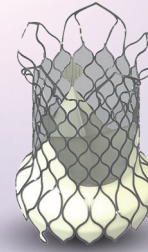


### Exhibition List

Company Name	Booth no.	Company Name	Booth no.
Edwards Lifesciences Korea Co., Ltd. * Learnig Center	1-2	Mitsubishi Tanabe Pharma Korea	7
Boston Scientific	3-4	Siemens Healthineers	8
Abbott	5	Venus Medtech	9-10
Pfizer Pharmaceutical Korea Ltd.	6	Medtronic Korea plc. * Learnig Center	11-12

### Operating Hours

	August 16	August 17	August 18
Scientific Program	2:00 PM ~ 8:00 PM	7:30 AM ~ 5:30 PM	7:30 AM ~ 3:30 PM
Registration Booth Faculty Lounge Preview Room CVRF Booth	12:00 PM ~ 8:00 PM	6:30 AM ~ 5:30 PM	6:30 AM ~ 3:30 PM
Exhibition	-	8:00 AM ~ 5:30 PM	8:00 AM ~ 3:30 PM



## VenusP-Valve®

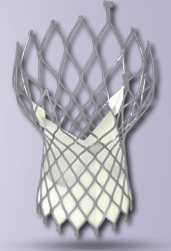
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The Only self expandable percutaneous valve implant to treat the patient with TOF procedure and native dilated RVOT.

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An effective percutaneous valve for patients with severe calcified and bicuspid aortic valve disease.



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Edwards SAPIEN 3 Transcatheter Heart Valve

BACKED BY UNPRECEDENTED OUTCOMES



DEFINITIVE DATA SET, n=491<sup>§</sup>

**1.6%** ALL-CAUSE MORTALITY  
**0.8%** DISABLING STROKE



BUILDS UPON THE PROVEN STRENGTHS OF THE SAPIEN VALVE WITH **5 YEARS OF DURABILITY**



CONTINUES TO RAISE THE BAR AS PART OF THE **MOST CLINICALLY STUDIED** VALVE PLATFORM GLOBALLY\*

\*The SAPIEN valve platform includes the SAPIEN, SAPIEN XT, and SAPIEN 3 valves.  
<sup>§</sup>SPARTNER II Trial high-risk TF SAPIEN 3 valve cohort 30-day results.

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