

Final Program

7th

AP

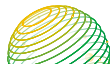
VALVES

2018

August 9 – 11, 2018

Grand Walkerhill Seoul, Korea

www.ap-valves.com



Course Directors

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

Scientific Committee

- Kentaro Hayashida, MD
- Paul Hsien-Li Kao, MD
- Michael Kang-Yin Lee, MD
- Edgar Lik-Wui Tay, MD
- Jian-an Wang, MD
- Bo Xu, MD
- Wei-Hsien Yin, 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 sponsored by CardioVascular Research Foundation (CVRF) and 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.

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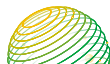
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Cheng Hsin General Hospital, Taiwan

Korean Faculty

Hyuk Ahn, MD

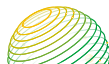
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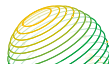
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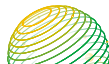
Case Presenter

Ha Young Choi, MD

Soonchunhyang University Cheonan Hospital,
Korea (Republic of)

Hyungdon Kook, MD

Korea University Anam Hospital, Korea (Republic of)



Thursday, 9

Learning Center

Learning Center Zone, Vista Hall, B2

Medtronic Transcatheter Pipeline

12:30 ~ 14:00

Organized by CVRF and Supported by Educational Grant from Medtronic Korea plc.

- 12:30 [Lecture] What's Next on Medtronic? MDT Pipeline
- 13:00 [Hands-On Training] EvolutTMR Valve Loading & Simulation with MBAM

TAVI CT Analysis and Case Review in Balloon Expandable THV

12:30 ~ 14:00

Organized by CVRF and Supported by Educational Grant from Edwards Lifesciences Korea Co., Ltd.

Case #1

- 12:30 1. TAVI Patient Selection - Medical History, Echo Finding
Euihong Ko
- 12:35 2. CT Analysis & Size Selection
Euihong Ko
- 13:00 3. TAVI Case Review with Angiography
Euihong Ko

Case #2

- 13:10 1. TAVI Patient Selection - Medical History, Echo Finding
Euihong Ko
- 13:15 2. CT Analysis & Size Selection
Euihong Ko
- 13:40 3. TAVI Case Review with Angiography
Euihong Ko
- 13:50 Q & A

AP VALVES Featuring Clinical Workshop

Featuring Training Session and Clinical Workshop I

14:00 ~ 16:15

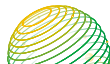
Moderators Eberhard Grube, Seung-Jung Park
Panelists Jung-Min Ahn, David J. Cohen, Dae-Hee Kim, Nobuyuki Koriyama, Yohei Ohno, Duk-Woo Park, Jian (James) Ye, Alan C. Yeung, Wei-Hsien Yin

#1. TAVR with Masters' Experiences: Taped Cases

- 14:00 TAVR: Advancing Your Skills: Beyond the Basics
Alan C. Yeung
- 14:30 Aortic and Mitral Valve-in-Valve: Technical Tips and Tricks
Jian (James) Ye

#2. Technical Pearls of TAVR

- 15:00 CT Algorithm for Optimal TAVR in Asan Medical Center
Do-Yoon Kang
- 15:10 Discussion and Audience Interaction
- 15:15 The Role of TTE and TEE for TAVR
Dae-Hee Kim
- 15:25 Discussion and Audience Interaction
- 15:30 Alternative Vascular Access: Where and How to Open & Close
Yohei Ohno
- 15:40 Discussion and Audience Interaction
- 15:45 Cerebral Embolic Protection: Routine or Selective
Eberhard Grube
- 15:55 Discussion and Audience Interaction
- 16:00 Permanent Pacemaker and Para-valvular Leakage: How to Avoid?
Duk-Woo Park
- 16:10 Discussion and Audience Interaction



Featuring Training Session and Clinical Workshop II

16:30 ~ 17:45

Moderators Seung-Jung Park, Alan C. Yeung
Panelists Jung-Min Ahn, Paul T.L. Chiam, Eberhard Grube,
Hyo-Soo Kim, Michael Kang-Yin Lee, Duk-Woo Park,
Owen Christopher Raffel, Jian (James) Ye

#3. Current Challenges and Future of Valvular Intervention

- 16:30 TAVR: Bicuspid, Severe Calcium, and Low Lying Left Main
Jung-Min Ahn
- 16:40 Discussion and Audience Interaction
- 16:45 Coronary Access After TAVR – Technical Tips and Tricks
Owen Christopher Raffel
- 16:55 Discussion and Audience Interaction
- 17:00 MV and TV Intervention: Preparing for the Next Revolution
Alan C. Yeung
- 17:10 Discussion and Audience Interaction
- 17:15 TMVR for MAC: Technical Considerations
Jian (James) Ye
- 17:25 Discussion and Audience Interaction
- 17:30 Mitraclip Procedure: A-to-Z Lifehack
Anna Sonia Petronio
- 17:40 Discussion and Audience Interaction

Evening Symposium: Let's Get Together with Surgeons and Interventionists for TAVR "Heart Team" and "Hot Team"



#1. Changing Face of the AVR

18:00 ~ 18:50

- Moderators** Hyuk Ahn, Jian (James) Ye
Panelists Ho Young Hwang, Jae-Seung Jung, Joon Bum Kim,
Young-Guk Ko, Ohchoon Kwon, Jae Won Lee,
Duk-Woo Park, Kay-Hyun Park, Anna Sonia Petronio,
Alan C. Yeung
- 18:00 A Heart Team: How to Play a Win-Win Game?
Suk Jung Choo
- 18:10 Advances in SAVR and Rapid Deployment AVR
Joon Bum Kim
- 18:20 The Impact of ViV Therapy on Surgical Bioprosthesis Design
Jian (James) Ye
- 18:30 Discussion and Audience Interaction

#2. Conflict or Harmony?: Debate, Discuss, and Collaborate

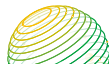
18:50 ~ 20:00

- Moderators** Eberhard Grube, Pyo Won Park
Panelists Tai-Leung Daniel Chan, Seung Hyuk Choi,
Suk Jung Choo, Cheol Hyun Chung, David J. Cohen,
Hyo-Soo Kim, Yung-Tsai Lee, Seung-Jung Park,
Owen Christopher Raffel,
Hyun Song

Debate 1: TAVR in Low Risk Patients

- 18:50 TAVR Will Be a New Standard Even for Low-risk Patients
Eberhard Grube
- 19:00 It Is Still too Early to Tell TAVR in Low-risk Patients
Jian (James) Ye

PROGRAM



19:10 Discussion Between Panels and Audiences

Debate 2: The Rapid Deployment(Sutureless) AVR

19:25 Rapid Deployment AVR: As a Routine
Suk Jung Choo

19:35 Rapid Deployment AVR: Only for Selected
Hyun Song

19:45 Discussion between Panels and Audiences

Friday, 10

Breakfast Meeting



Interesting Cases I

7:30 ~ 8:30

Moderators *Myeong-Ki Hong, Anna Sonia Petronio*

Panelists *Yoon Seok Koh, Nobuyuki Komiyama, Michael Kang-Yin Lee, Mao-Shin Lin, Vincent Luk, Toru Naganuma, Yohei Ohno, Kyung Woo Park, Owen Christopher Raffel, Edgar Lik-Wui Tay, Sunil Wani*

Case Presentations

7:30 Successful Mitral Valve-in-Valve Using TAVR THV in a Patient with Severe MR Due to Bioprosthetic Valve Failure
Hyungdon Kook

7:40 Coronary Obstruction After TAVR
Vincent Luk

7:50 Complication During VIV Procedure
Yohei Ohno

8:00 Cardiac Rupture After TAVR
Edgar Lik-Wui Tay

8:10 Embolization After TAVR
Mao-Shin Lin

Plenary Session

Live Case and Opening & Lecture I

8:30 ~ 10:30

Moderators *David J. Cohen, Myeong-Ki Hong, Jian (James) Ye*

Panelists *Tai-Leung Daniel Chan, Seung Hyuk Choi, Suk Jung Choo, Kentaro Hayashida, Kyoung Woon Joung, Seung-Whan Lee, Mao-Shin Lin, Duk-Woo Park, Owen Christopher Raffel,*

Asan Medical Center, Seoul, Korea

8:30 Case #1

1st Operator: *Seung-Jung Park*

2nd Operator: *Alan C. Yeung*

3rd Operator: *Hojin Kim*

Case #2

1st Operator: *Jung-Min Ahn*

2nd Operator: *Eberhard Grube*

Case #1, #2

Echo Interpreter: *Dae-Hee Kim*

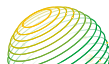
Opening & Featured Lectures

9:55 Opening Remark
Seung-Jung Park

10:00 Mainstream of TAVR: Minimalist Approach
Duk-Woo Park

10:10 Conscious Sedation or General Anesthesia for TAVR: When Should We Consider General Anesthesia?
Kyoung Woon Joung

10:20 Discussion between Panels and Audiences



Live Case & Lecture II

10:30 ~ 12:30

Moderators Seung-Jung Park, Alan C. Yeung
Panelists Yih-Shang Chen, David J. Cohen, Yangsoo Jang, Hyung-Gon Je, Joon Bum Kim, Xiangqing Kong, Vijay Kumar, Michael Kang-Yin Lee, Yohei Ohno, Sung-Ji Park, Owen Christopher Raffel

Asan Medical Center, Seoul, Korea

10:30 Case #3

1st Operator: Myeong-Ki Hong
2nd Operator: Young-Guk Ko
3rd Operator: Jung-Min Ahn

Case #4

1st Operator: Duk-Woo Park
2nd Operator: Anna Sonia Petronio

Case #3, #4

Echo Interpreter: Dae-Hee Kim

Featured Lectures

12:00 CT Algorithm to Avoid Permanent Pacemaker and Para-Valvular Leakage
Do-Yoon Kang

12:10 Sapien 3 or Evolut R: Different Indications?
Alan C. Yeung

12:20 Panel Discussion with Q & A

Lunchtime Activity



Plenary Session: Current Issues & Future Perspectives

12:30 ~ 13:50

Moderators Eberhard Grube, Seung-Jung Park
Panelists Jung-Min Ahn, Kam Tim Chan, David J. Cohen, Duk-Hyun Kang, Yong-Jin Kim, Yohei Ohno, Duk-Woo Park, Horst Sievert, Alan C. Yeung

12:30 Management of Asymptomatic Severe AS
Duk-Hyun Kang

12:40 Low Gradient AS: How to Identify and Manage?
Yong-Jin Kim

12:50 TAVR in Low Risk Patients
Alan C. Yeung

13:00 Panel Discussion with Q & A

13:10 TAVR for Bicuspid Valve: Clinical Outcome and Technical Considerations
Jung-Min Ahn

13:20 Optimal Antithrombotic Therapy and Ongoing Clinical Trials
Duk-Woo Park

13:30 MV and TV Intervention: Current Status and Future Perspectives
Horst Sievert

13:40 Panel Discussion with Q & A

Plenary Session

Live Case & Lecture III

14:00 ~ 16:00

Moderators Myeong-Ki Hong, Seung-Jung Park, Anna Sonia Petronio
Panelists Ying-Hwa Chen, Paul TL Chiam, Jae-Sik Jang, Ju Han Kim, Young-Guk Ko, Jae-Hwan Lee, Edgar Lik-Wui Tay, Sunil Wani, Cheol Woong Yu

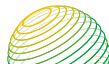
Cheng Hsin General Hospital, Taiwan

14:00 Case #1
1st Operator: Jeng Wei
2nd Operator: Tien-Ping Tsao
3rd Operator: Kuo-Chen Lee

Case #2
1st Operator: Wei-Hsien Yin
2nd Operator: Kuo-Chen Lee
3rd Operator: Yung-Tsai Lee

Featured Lectures

15:30 Patient and Device Selection for ViV TAVR: The Good, the Bad, and the Ugly
Horst Sievert



15:40 TAVI in Severe AS Patients with Poor Renal Function

Myeong-Ki Hong

15:50 Panel Discussion with Q & A

Live Case IV

16:00 ~ 17:30

Moderators Byung Chul Chang, Seung-Jung Park, Horst Sievert
Panelists Young Jin Choi, Jung-Kyu Han, Jung-Sun Kim, Kyung-Hee Kim, Toru Naganuma, Jong-Min Song, Tetsuya Tobaru

The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul, Korea

16:00 Case #1

1st Operator : Ki-Bae Seung
 2nd Operator : Kentaro Hayashida
 3rd Operator : Yoon Seok Koh

Case #5

1st Operator : Duk-Woo Park
 2nd Operator : David J. Cohen

Case #5

Echo Interpreter : Dae-Hee Kim

Saturday, 11

Breakfast Meeting



Interesting Cases II

7:30 ~ 8:30

Moderators Duk-Woo Park, Horst Sievert
Panelists Kentaro Hayashida, Won-Jang Kim, Young-Guk Ko, Xiangqing Kong, Bong-Ki Lee, Jae-Hwan Lee, Anna Sonia Petronio, Owen Christopher Raffel, Tetsuya Tobaru, Jian (James) Ye

Case Presentations

7:30 Percutaneous Trans-venous Mitral Commissurotomy(PTMC) in Pregnancy: Tips and Technique

Binoj John

7:40 Transcatheter Closure of Paravalvular Leak Using Patent Ductus Arteriosus Closure Device

Ha Young Choi

7:50 One of the Toughest TAVR Case

Euihong Ko

8:00 Complication During Mitral Valve Intervention

Horst Sievert

8:10 TAVR for AR

Anna Sonia Petronio

8:20 Case

Owen Christopher Raffel

Plenary Session

Live Case & Lecture V

8:30 ~ 10:00

Moderators Eberhard Grube, Seung-Jung Park, Horst Sievert
Panelists Kam Tim Chan, David J. Cohen, Kentaro Hayashida, Se Hun Kang, Je Sang Kim, Nobuyuki Komiyama, Owen Christopher Raffel, Chi Young Shim

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

Operators : Jian-an Wang, Xianbao Liu

Featured Lectures

9:30 TAVR Outcome of Venus and Venibri Valves

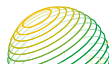
Horst Sievert

9:40 Next Generation TAVR Devices

Eberhard Grube

9:50 TAVR in Asia, Korea, and AMC

Seung-Jung Park



Live Case & Lecture VI. TAVR for Pure AR

10:00 ~ 11:30

Moderators Hyo-Soo Kim, Jian (James) Ye, Alan C. Yeung
Panelists Jung-Min Ahn, Jason Leung Kwai Chan,
Ying-Hwa Chen, Woo-Baek Chung, Won-Jang Kim,
Vincent Luk, Duk-Woo Park, Ki-Bae Seung

10:00 West China Hospital, China
Operator : Yingqiang Guo

Featured Lectures

11:00 TAVR for Pure AR: International Registry
Data and Technical Pearls
Anna Sonia Petronio

11:10 J-Valve: Development, Design, and Data
Jian (James) Ye

11:20 Panel Discussion with Q & A

Data from Asan Medical Center

11:30 ~ 12:20

Moderators Myeong-Ki Hong, Horst Sievert
Panelists Hyo-Soo Kim, Owen Christopher Raffel,
Jian (James) Ye, Alan C. Yeung

11:30 Clinical Impact of Periprocedural
Myocardial Injury After TAVR
Duk-Woo Park

11:37 Panel Discussion with Q & A

11:40 Echo Part: TBD
Dae-Hee Kim

11:47 Panel Discussion with Q & A

11:50 Impact of Renal Function on Stroke or
Systemic Embolism Following TAVR
Jung-Min Ahn

11:57 Panel Discussion with Q & A

12:00 Impact of Paravalvular Regurgitation
After TAVR on LV Geometry
Euihong Ko

12:07 Panel Discussion with Q & A

12:10 CS Part: TBD
Joon Bum Kim

12:17 Panel Discussion with Q & A

Lunchtime Activity



Live Case VII

12:30 ~ 14:00

Moderators Myeong-Ki Hong, Alan C. Yeung
Panelists Binoy John, Woong Chol Kang, Young-Guk Ko,
Yoon Seok Koh, Xiangqing Kong,
Seung-Whan Lee, Kyung Woo Park,
Owen Christopher Raffel

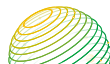
Asan Medical Center, Seoul, Korea

12:30 Case #6
1st Operator : Duk-Woo Park
2nd Operator : David J. Cohen

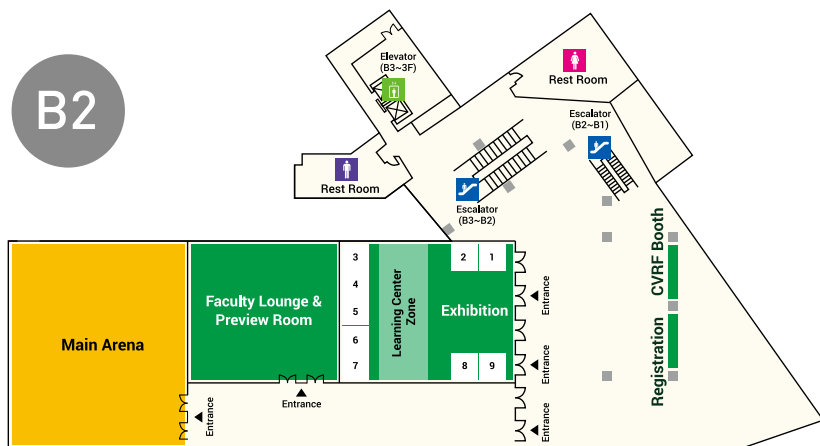
Case #7
1st Operator : Jung-Min Ahn
2nd Operator : Eberhard Grube

Case #6, #7
Echo Interpreter : Dae-Hee Kim

13:45 Take Home Message & Closing Remark
Duk-Woo Park



B2



Exhibition List

| Company Name | Booth No. | Company Name | Booth No. |
|--|-----------|--|-----------|
| Edwards Lifesciences Korea Co., Ltd. <i>* Learning Center</i> | 1-2 | Mitsubishi Tanabe Pharma Korea | 6 |
| Siemens Healthineers | 3 | JC Medical | 7 |
| Pfizer Pharmaceutical Korea Ltd. | 4 | Medtronic Korea plc. <i>* Learning Center</i> | 8-9 |
| Abbott | 5 | | |

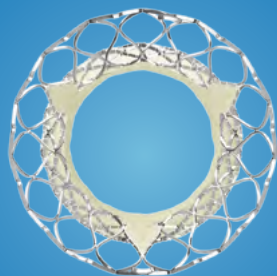
Operating Hours

| | August 9 | August 10 | August 11 |
|--|---------------|--------------|--------------|
| Scientific Program | 12:30 ~ 20:00 | 7:30 ~ 17:30 | 7:30 ~ 14:00 |
| Registration Booth Faculty Lounge Preview Room CVRF Booth | 10:00 ~ 20:00 | 6:30 ~ 17:30 | 6:30 ~ 14:00 |
| Exhibition | 12:30 ~ 17:30 | 8:30 ~ 17:30 | 8:30 ~ 14:00 |



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Life is different for TAVI patients who experience the immediate benefits and long-term hemodynamic advantage of a supra-annular, self-expanding valve.



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See the Clinical Difference

1.1%

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The PARTNER™ Trials represent the **largest, most robust** comparative body of evidence in the history of aortic valve replacement.

* The PARTNER II™ Trial intermediate-risk cohort 30-day unadjusted clinical event rates for TAVR with the SAPIEN 3 valve, AT population (n=1,077).

See Important Safety Information about the Edwards SAPIEN 3 transcatheter heart valve available in this booth.

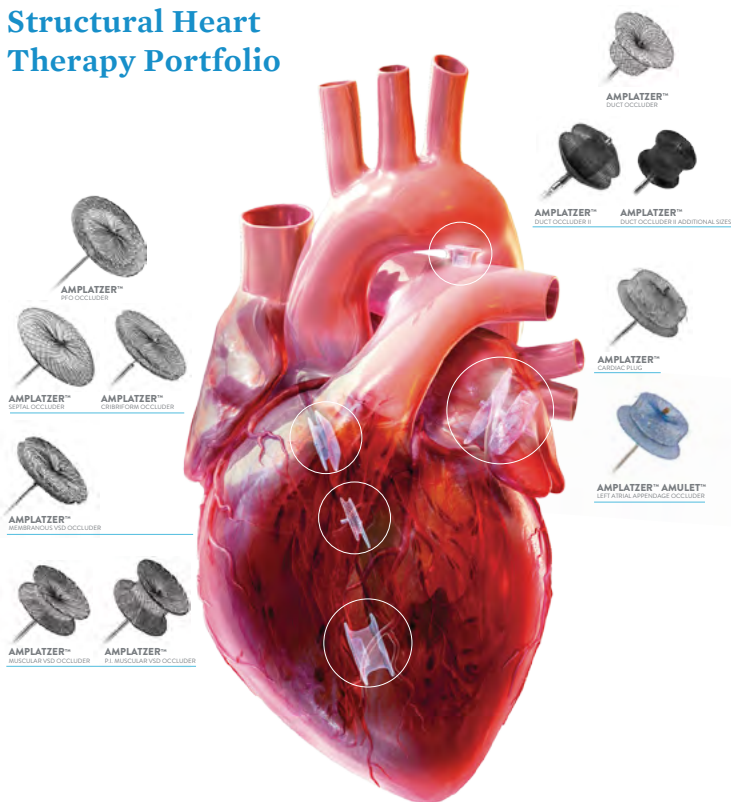
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Structural Heart Therapy Portfolio



Brief Summary: Prior to using these devices, please review the Instructions for Use for complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.
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ESC-16-001-0010 | Only approved for interventional use only.



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**8th AP
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