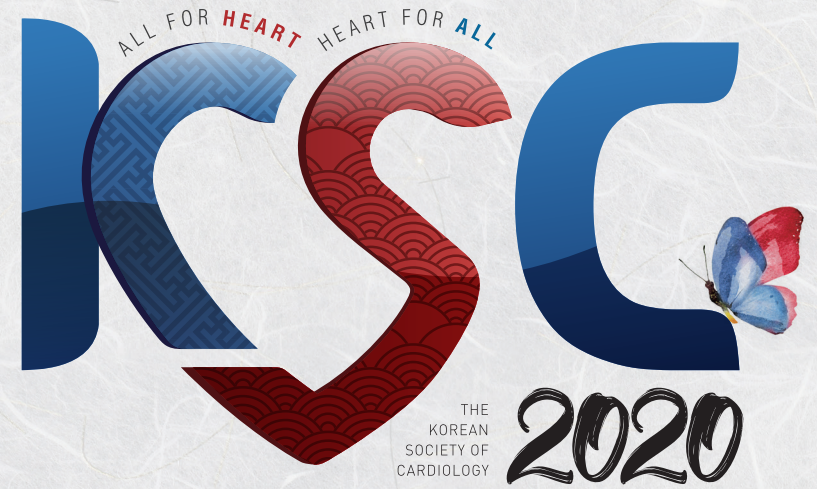


The 64th Annual Scientific Meeting of The Korean Society of Cardiology



대한심장학회 제64차 추계학술대회

The 64th Annual Scientific Meeting of The Korean Society of Cardiology

2020. 10. 16. Fri. - 18. Sun.

Diamond Sponsors



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KSC APP



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Highlight Program

New Frontiers in Cardiology 1: Heart Failure Heart Failure 2020

Oct 16 (Fri.) 15:40 - 17:10 Channel 02

- 1 HF Epidemiology, Awareness and Performance Measures
유병수 / 연세원주의대
- 2 Update on Recent HF Guidelines
조현재 / 서울의대
- 3 Surgical Treatment of Advanced HF: HTx and LVAD
정성호 / 울산의대

New Frontiers in Cardiology 2: Coronary Artery Disease

Oct 17 (Sat.) 10:20 - 11:50 Channel 01

- 1 Role of P2Y12 Antagonists in Patients with Acute Coronary Syndrome
김병극 / 연세의대
- 2 Past, Present and Future of Coronary Stents
홍영준 / 전남의대
- 3 Past, Present and Future of Coronary Imaging
이철환 / 울산의대
- 4 Past, Present and Future of Coronary Physiology
구분권 / 서울의대

16
Fri.



DAY 1

Program at a glance

Special Lecture **Essence** Essence Series **Eng** English Session **a** Abstract Session

	Channel 01	Channel 02	Channel 03	Channel 04	Channel 05	Channel 06	Channel 07
08:40 - 10:10	Eng Cardiometabolic Syndrome Update in SGLT2 Inhibitors from Cardiometabolic Perspective	Heart Failure 1 HF Debate I: Hot Issues in Cardiac Critical Care	Eng Myocardial Infarction 1 Joint Collaboration for Asian AMI Guideline	Eng Basic Research Hotline Issues in Cardiovascular Diseases	a CAD 1 1-8	Eng a Pediatric Cardiology 9-16	a Women Heart Disease 17-24
10:20 - 11:50	Cross Specialty: Gastroenterology & Intervention 1. Skip or Continue Antiplatelet Therapy before Endoscopic Procedure 2. Cardiovascular Drug Induced Hepatitis	Essence Heart Failure 2 HF 2020 at a Glance	Imaging Coronary Plaque Imaging	Arrhythmia 1 AF Screening and Stroke Prevention	Eng a CAD 2 25-32	a Pediatric Cardiology 2 33-40	Eng a Arrhythmia 1 41-48
12:00 - 12:40	Scientific Session [Pfizer Upjohn] Evidence Based Strategies: Optimizing an ASCVD Management	Scientific Session [Amgen] The Earlier, The Better: An Ideal Approach with PCSK9 Inhibition in ACS Patients	Scientific Session [Boryung] What's New in Cardiovascular Disease Risk Management	Diamond Session [BMS/Pfizer] Anticoagulation Management in NVAf: Optimizing Patient Outcomes	Lipid Management of Dyslipidemia in Diverse Diseases	Eng a Epidemiology 1 49-56	Eng a Intervention 1 57-64
12:40 - 13:30							
13:30 - 14:00	Break						
14:00 - 15:30	Myocardial Infarction 2 Recent Updates in AMI	Cross Specialty: Arrhythmia & Heart Failure Clinical Challenges: AF and HF	Essence Echocardiography 1 Mitral Regurgitation: From Diagnosis to Treatment	Cardiac Surgery In the Era of MCS, Are We Transplanting the Heart More to Moribund Patients?	a CAD 3 65-72	Eng a Heart Failure 1 73-80	Eng a Arrhythmia 2 81-88
15:40 - 17:10	Women Heart Disease Immunity and Heart	New Frontiers in Cardiology 1: Heart Failure Heart Failure 2020	Eng JCS¹⁾-KSC Joint Session: Cardiometabolic Syndrome SGLT2 Inhibitor vs. GLP1 Analogue for Cardiometabolic Syndrome	Eng Cardiac Pathology Cardiac Conduction System in Human Heart	Eng a CAD 4 89-96	a Basic Research 1 97-104	Eng a Arrhythmia 3 105-112
17:20 - 18:50	Epidemiology 국민건강보험빅데이터(NHI-BD)를 이용한 심혈관질환 역학연구	Nurse-Technician Session Changes in the Environment of Cath Rooms	Smart Health Remote Monitoring of Cardiovascular Diseases	Intervention 1 Which Evidence-Based NOAC Should Be the Preferred Dual Anti-thrombotic Regimen in AF Patients Undergoing PCI?	a Lipid 113-120	Eng Case 1 Intervention	Eng Case 2 Heart Failure

1) JCS: Japanese Circulation Society



DAY 2

Program at a glance

Special Lecture
Eng English Session
 a Abstract Session

17 Sat.

	Channel 01	Channel 02	Channel 03	Channel 04	Channel 05	Channel 06	Channel 07
08:40 - 10:10	Video Session 1: Adult Congenital Heart Disease & Cardiac Pathology Better Understanding Morphology for a Better Choice of Treatment in ACHD	Cross Specialty: Intervention & Heart Failure Interventional Treatment in Advanced Heart Failure	Eng Young Investigator award Competition 1 1-6	Eng Young Investigator award Competition 2 7-12	Eng Vascular 1 Microcirculation and Heart	Eng a Heart Failure 2 121-128	Eng a Intervention 2 129-136
10:20 - 11:50	New Frontiers in Cardiology 2: Coronary Artery Disease	Cross Specialty: Intervention & Arrhythmia Gather the Wisdom Together	Eng Young Investigator award Competition 3 13-18	Eng Young Investigator award Competition 4 19-24	Eng TSOC²-KSC Joint Session: Heart Failure Heart Transplantation 2020	a Heart Failure 3 137-144	a CAD 5 145-152
12:00 - 12:40	♦ Diamond Session [Pfizer Upjohn] Impact of Statins on CV Outcomes: It's a Matter of Life and Death	Scientific Session [Novartis] ARNI: The Essential HF Intervention	Scientific Session [Samjin] Optimal Therapy in Cardiovascular Disease Management	Scientific Session [MSD] Lipid Management to Reduce CVD	a Imaging 153-160	a Epidemiology 2 161-168	a Basic Research 2 169-176
12:40 - 13:30							
13:30 - 14:00	Break						
14:00 - 15:30	Video Session 2: Intervention Issues Regarding Mitral Valve Intervention and Cardiogenic Shock	Echocardiography 2 Prosthetic Valve: How to Evaluate and Manage the Complications	Cross Specialty: Intervention & Preventive Cardiology Risk Factor Control for Secondary Prevention of Coronary Artery Disease	Arrhythmia 2 Sudden Cardiac Death	Eng a Basic Research 3 177-184	Eng a CAD 6 185-192	a Echocardiography 193-200
15:40 - 17:10	Cardiovascular Disease Prevention Cardiac Rehabilitation: Power and Possibilities	Echocardiography 3 Common Situations in Echocardiography	Pediatric Cardiology 1 Before and After What We Have Done	Eng Heart Failure 3 Left Ventricular Assist Device 2020	a Intervention 3 201-208	Eng a Arrhythmia 4 209-216	a CAD 7 217-224
17:20 - 18:50	Geriatric Cardiology Focused on Octogenarian Patients	Eng JCS¹-KSC Joint Session: Hypertension Challenges in Hypertension Managements in Cardiology Clinic	Pediatric Cardiology 2 What to Learn More about TGA	Eng ESC³-KSC Joint Session: Smart Health Smart Health for the Diagnosis and Monitoring of Cardiovascular Diseases	Eng a Arrhythmia 5 225-232	Eng Case 3 Intervention	Eng Case 4 Pediatric Cardiology

1) JCS: Japanese Circulation Society 2) TSOC: Taiwan Society of Cardiology 3) ESC: European Society of Cardiology



DAY 3

Program at a glance

Special Lecture
Essence Essence Series
 Eng English Session
 a Abstract Session

	Channel 01	Channel 02	Channel 03	Channel 04	Channel 05	Channel 06	Channel 07
08:40 - 10:10	Cross Specialty: Cardiogenic Shock Current Update and Future Perspectives in Cardiogenic Shock	Education Workshop 1: Intervention Interventional Therapy for Valvular Heart Disease	Cardio-Oncology Cardiovascular Complication of Anti-cancer Immunotherapy	Intervention 2 Current Evidences for Lipid-lowering Therapy in Patients with Cardiovascular Disease	Eng a CAD 8 233-240	a Heart Failure 4 241-248	a Vascular 249-253
10:20 - 11:50	Eng New Frontiers in Cardiology 3: Arrhythmia Plenary Lecture in Arrhythmia	Education Workshop 2: Echocardiography The Role of Echocardiography in Various Cardiac Procedures	Hypertension BP Variability	Cross Specialty: Neurology & Intervention Similarities and Differences between Cardiovascular and Cerebrovascular Diseases	a CAD 9 254-261	Eng a Arrhythmia 6 262-269	a Intervention 4 270-277
12:00 - 12:40	Scientific Session [Hanmi] Preventing Cardiovascular Disease in Hypertension and Dyslipidemia Patients by Intensive Combination Therapy	Scientific Session [BMS/Pfizer] Leading Excellence in NVAf & VTE	Scientific Session [Bayer] Thanks To The Protection You Provide For Your Cardio Vascular Patients	Scientific Session [Daewoong/Daiichisankyo] AF with Hypertension and PCI	Adult Congenital Heart Disease Atrial Septal Defect: The Most Common Congenital Heart Defect in Adulthood	Eng Case 5 Arrhythmia	Eng Case 6 Echo & Imaging
12:40 - 13:30							
13:30 - 14:00	Break						
14:00 - 15:30	Ethics Workshop [필수교육] 4차 산업혁명시대 의료인으로서의 의미있는 삶을 위한 성찰	Education Workshop 3: Arrhythmia Cardiac Implantable Electronic Device	임상심장학 연수강좌 1 개원가에서 궁금해하는 주제	Arrhythmia 3 PSVT & VT	a CAD 10 278-285	Eng a Arrhythmia 7 286-293	Eng a Hypertension 294-301
15:40 - 17:10	Healthcare Policy 1 당뇨병의 심혈관질환 예방을 위한 효율적 예방과 치료	Education Workshop 4: Heart Failure 2020 Updated Management of Acute Heart Failure	임상심장학 연수강좌 2 당뇨병과 심장	Essence Arrhythmia 4 Current Practice and Future Perspective in Cardiac Arrhythmia	a CAD 11 302-309	Eng a Arrhythmia 8 310-317	a Cardio-Oncology 318-325
17:20 - 18:50	Healthcare Policy 2 심혈관질환의 두가지 중요한 요소: 생활양식과 미세먼지	Echocardiography 4 Aortic Stenosis: From Diagnosis to Treatment	연구위원회/의료정보위원회 주관 세션 2004-2018년 심장질환 빅데이터 분석결과 발표	Essence Intervention 3 Recent Updates in Structural Heart Disease	BESCO⁴⁾ Imaging & Multi-scale Hemodynamics	Eng Vascular 2 Large Artery Stiffness and Heart	전공의 Awards

4) BESCO: Biomedical Engineering Society for Circulation

18 Sun.

Highlight Program

New Frontiers in Cardiology 3: Arrhythmia Plenary Lecture in Arrhythmia

Oct 18 (Sun.) 10:20 - 11:50 Channel 01

- Key Note Lecture: VT Ablation**
Chun Hwang / Utah Valley Regional Medical Center, USA
- New Technique in Ablation**
Julian Chun / Cardioangiologisches Centrum Bethanien, Germany
- Mechanism of Arrhythmia: Biological VT Ablation**
Eduardo Marban / Cedars-Sinai Medical Center, USA

Essence Series

- Heart Failure 2 – HF 2020 at a Glance**
Oct.16 (Fri.) 10:20 – 11:50, Channel 02
- Echocardiography 1 – Mitral Regurgitation: From Diagnosis to Treatment**
Oct.16 (Fri.) 14:00 – 15:30, Channel 03
- Arrhythmia 4 – Current Practice and Future Perspective in Cardiac Arrhythmia**
Oct.18 (Sun.) 15:40 – 17:10, Channel 04
- Intervention 3 – Recent Updates in Structural Heart Disease**
Oct.18 (Sun.) 17:20 – 18:50, Channel 04

평점 등록 안내

출석확인인 '각 세션' 마다 출결관리시스템(온라인 회의장 입장/퇴장시간)으로 기록되며, 온라인 학술대회 홈페이지에 로그인하여 입장하신 후, 온라인 회의장에 입장한 시간부터 평점이 인정됩니다. 자세한 사항은 아래 내용 참고해주시기 바랍니다.

구분	10월 16일 (금)	10월 17일 (토)	10월 18일 (일)
대한의사협회(일반/필수)	6점	6점	6점 필수교육 참여 시, 일반 5점, 필수 1점
대한내과학회 분과전문의			6점
내과전공의 외부학술회의 (학술대회)	2점 (오전 1점, 오후 1점)		

※ 평점 불인정 사례 1) 동일 시간에 복수의 온라인 연수교육을 이수한 경우 (예: 동일 ID로 A강의와 B강의 동시 접속 불가)
2) Break 시간

대한 의사협회 (일반/필수)

- ① 교수 및 개원의, 전임의, 전공의, 기타등록자 (의사면허 소지자)에 한합니다.
- ② 10월 18일 (일) 14:00~15:30 필수교육 (Ethics Workshop)에 참석하시는 분들은 최대 6점 중 일반 5점, 필수 1점 인정됩니다.
- ③ 평점인정시간 (부분평점: 최소 1점)

시간	평점
1시간 미만	인정 불가
1시간 이상 2시간 미만	1 평점
2시간 이상 3시간 미만	2 평점
3시간 이상 4시간 미만	3 평점
4시간 이상 5시간 미만	4 평점
5시간 이상 6시간 미만	5 평점
6시간 이상	6 평점

대한내과학회 분과전문의

- ① (순환기)내과 분과전문의 (내과전문의번호 소지자)에 한합니다.
- ② 사전등록 시 참석 체크 및 내과전문의번호를 입력해주신 분들에 한하여, 10월 18일 (일) 대한심장학회 분과전문의 연수강좌: Education Workshop 참석자 분들에게 평점 인정됩니다. (사전등록 시 참석 체크가 되지 않으신 분들은 온라인 강좌 참석이 불가합니다.)
- ③ 대한내과학회 분과전문의 평점은 대한의사협회 평점과 중복 인정 불가합니다. (10월 18일 (일) 대한의사협회 평점 또는 대한내과학회 분과전문의 평점 인정 가능)
- ④ 온라인으로 개최됨에 따라 각 세션 (총 4개 세션) 종료 후 문제가 출제되며 총 100점 만점에 60점 이상 취득한 자에 한하여 평점이 인정 됩니다. (60점 미만일 경우 평점 부여 불가)
- ⑤ 평점인정시간 (최소평점 1점~6점)

시간	평점
1시간 미만	인정 불가
1시간 이상 2시간 미만	1 평점
2시간 이상 3시간 미만	2 평점
3시간 이상 4시간 미만	3 평점
4시간 이상 5시간 미만	4 평점
5시간 이상 6시간 미만	5 평점
6시간 이상	6 평점

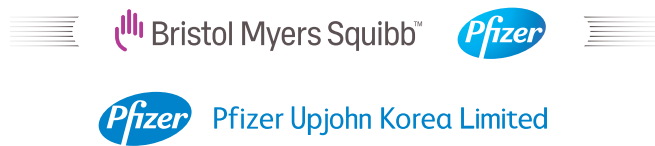
내과전공의 외부학술회의 (학술대회)

- ① 내과전공의 (의사면허 소지자)에 한합니다.
- ② 평점인정시간: 학술대회 기간 중 오전 1점, 오후 1점 (최대 2점) 인정 됩니다.

시간	평점
오전 3시간	1 점
오후 3시간	1 점

Sponsors

Diamond



Platinum



Gold



Silver



Invited Speakers



Aiden Doherty
University of Oxford, UK



Barbara Casadei
University of Oxford, UK



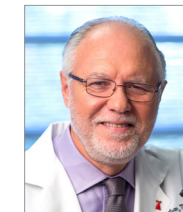
Bin Liu
Jilin University, China



Chii-Ming Lee
National Taiwan University Hospital, Taiwan



Chun Hwang
Utah Valley Regional Medical Center, USA



Eduardo Marban
Cedars-Sinai Medical Center, USA



Ilonca Vaartjes
University Medical Center Utrecht, Netherlands



Jonathan Lindner
Oregon Health and Science University, USA



Joseph A. Hill
UT Southwestern Medical Center, USA



Julian Chun
Cardioangiologisches Centrum Bethanien, Germany



Julio Chirinos
University of Pennsylvania, USA



Kaoru Dohi
Mie University, Japan

INVITED SPEAKERS

**Ming Zheng**

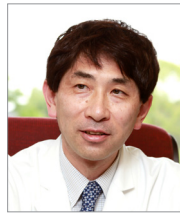
Peking University, China

**Motoaki Sano**

Keio University, Japan

**S. Yen Ho**

Royal Brompton Hospital, UK

**Satoshi Yasuda**National Cerebral and
Cardiovascular Center,
Japan**Takuya Kishi**International University of
Health and Welfare, Japan**Tatsuo Shimosawa**International University of
Health and Welfare, Japan**Yeo, Khung Keong**National Heart Centre,
Singapore**Yih-Shang Chen**National Taiwan University
Hospital, Taiwan

16
Fri.

DAY 1

KSC 2020 Program

Channel 01

Eng Cardiometabolic Syndrome

08:40 -
10:10

Update in SGLT2 Inhibitors from Cardiometabolic Perspective

- 08:40 - 09:00 **HFpEF Malady, Model, Mechanism**
Joseph A. Hill / UT Southwestern Medical Center, USA
- 09:00 - 09:20 **SGLT2 Inhibitors Are Heart Failure Drug**
Jin Joo Park / Seoul National Univ., Korea
- 09:20 - 09:40 **No, SGLT2 Inhibitors Are Antidiabetic Medication**
Jun Hwa Hong / Eulji Univ., Korea
- 09:40 - 10:00 **Side Effect in SGLT2 Inhibitor**
Sang Man Jin / Sungkyunkwan Univ., Korea
- 10:00 - 10:10 **Discussion**

Chairpersons

Sang-Hyun Kim,
Seung Hwan Han

Panel

Se Eun Park,
Chan Joo Lee

Channel 02

Heart Failure 1

08:40 -
10:10

HF Debate I: Hot Issues in Cardiac Critical Care

- 08:40 - 08:52 **Pro: Swan-Ganz Catheter in Cardiac Critical Care: It Should Be Done in Some Cases**
양정훈 / 성균관의대
- 08:52 - 09:04 **Con: Echocardiographic Hemodynamic Monitoring Is Enough**
김미나 / 고려의대
- 09:04 - 09:09 **Pro Rebuttal**
양정훈 / 성균관의대
- 09:09 - 09:14 **Con Rebuttal**
김미나 / 고려의대
- 09:14 - 09:25 **Discussion**
- 09:25 - 09:37 **Pro: Awake ECMO, Pros**
이수용 / 부산의대
- 09:37 - 09:49 **Con: Awake ECMO, Cons**
이선기 / 한림의대

Chairpersons

조명찬, 김명아

Panel

김계훈, 박상민,
박재형, 황경국,
황석재

Channel 03

Eng Myocardial Infarction 1

08:40 -
10:10

Joint Collaboration for Asian AMI Guideline

- 08:40 - 09:00 **Antithrombotic Therapy in Atrial Fibrillation Patients with Coronary Artery Disease: Shifting Paradigm to a "Less Is More" Concept Regimen**
Satoshi Yasuda / National Cerebral and Cardiovascular Center, Japan
- 09:00 - 09:20 **ECMO Application in AMI Patients Complicated with Cardiac Arrest**
Bin Liu / Jilin Univ., China
- 09:20 - 09:40 **Identifying Gaps in AMI Care**
Yeo Khung Keong / National Heart Centre, Singapore
- 09:40 - 10:00 **Consensus Document for Korean AMI**
Kiyuk Chang / Catholic Univ., Korea
- 10:00 - 10:10 **Discussion**

Chairpersons

Satoshi Yasuda,
Myung Ho Jeong

Panel

Ung Kim,
Youngkeun Ahn,
Young-Hoon Jeong,
Joo-Yong Hahn

Channel 04

Eng Basic Research

08:40 -
10:10

Hotline Issues in Cardiovascular Diseases

- 08:40 - 08:55 **New Insights on Diabetic Cardiomyopathy**
Barbara Casadei / Univ. of Oxford, UK
- 08:55 - 09:10 **Molecular Mechanism of Obesity-induced Hypertension**
Young-Myeong Kim / Kangwon National Univ., Korea
- 09:10 - 09:25 **Altered Shear Stress Response in Atrial Myocytes from Failed Heart**
Sun Hee Woo / Chungnam National Univ., Korea
- 09:25 - 09:40 **Inter-mitochondrial Communication and the Pathophysiological Relevance in the Heart**
Ming Zheng / Peking Univ., China
- 09:40 - 10:10 **Discussion**

Chairpersons

Jin Han,
Yin Hua Zhang

Panel

Ki-Hwan Kwon,
Jang-Whan Bae,
Woo Cheol Chang

Channel 01

Cross Specialty: Gastroenterology & Intervention

10:20 -
11:50

Chairpersons

권현철, 김두일

Panel

구본권, 권기환

1. Skip or Continue Antiplatelet Therapy before Endoscopic Procedure

10:20 - 10:35 Why Cardiologists Are Uncomfortable to Skip Antiplatelet Therapy?, and My Solution
정영훈 / 경상의대10:35 - 10:50 Why Endoscopists Are Uncomfortable to Continue Antiplatelet Therapy?, and My Solution
이준행 / 성균관의대

10:50 - 11:05 Discussion

2. Cardiovascular Drug Induced Hepatitis

11:05 - 11:20 Cardiovascular Drugs Which Requires Attention for Hepatic Dysfunction
박경일 / 동아의대11:20 - 11:35 Why You Have to Stop Cardiovascular Drugs Due to Hepatic Dysfunction and How to Restart?
김동준 / 한림의대

11:35 - 11:50 Discussion

Channel 02

Essence Heart Failure 2

10:20 -
11:50

Chairpersons

유규형, 최동주

Panel

김성해, 김응주,
박대균, 최성훈,
최의영, 최진오

HF 2020 at a Glance

10:20 - 10:35 Updates in HFrEF Treatment: From SOLVD to VICTORIA
윤종찬 / 가톨릭의대10:35 - 10:45 HFrEF Designated Discussion
유병수 / 연세원주의대10:45 - 11:00 Never Ending Story of Failure: HFpEF Treatment
박진주 / 서울의대11:00 - 11:10 HFpEF Designated Discussion
박성지 / 성균관의대11:10 - 11:25 ICD/CRT in HF: Something You May Not Know, but Should Know
이상언 / 울산의대11:25 - 11:35 ICD/CRT Designated Discussion
박승정 / 성균관의대

11:35 - 11:50 Discussion

Channel 03

Imaging

10:20 -
11:50

Chairpersons

최연현, 송재관

Panel

강원준, 양동현,
이주희, 최상일

Coronary Plaque Imaging

10:20 - 10:40 Coronary Plaque Imaging: Why Should We Do?
이철환 / 울산의대10:40 - 11:00 Coronary Plaque: Invasive Imaging
강수진 / 울산의대11:00 - 11:20 Coronary Plaque: CT Imaging
이상은 / 이화의대11:20 - 11:40 Coronary Plaque: Nuclear Imaging
조상건 / 전남의대

11:40 - 11:50 Discussion

Channel 04

Arrhythmia 1

10:20 -
11:50

Chairpersons

김준수, 최기준,
김대경

Panel

김민수, 반지은,
배명환

AF Screening and Stroke Prevention

10:20 - 10:30 The Trend and Burden of Korean AF
양필성 / 차의대10:30 - 10:40 Risk Stratification of Thromboembolism
이광노 / 아주의대10:40 - 10:50 Imaging Modalities for AF Treatment
이정명 / 경희의대10:50 - 11:00 Korean Practical Guideline of NOAC Use
박진규 / 한양의대11:00 - 11:10 Selection of NOAC
이소령 / 서울의대11:10 - 11:20 Wearable Monitoring and Opportunistic Screening of AF: State of the Art
백용수 / 인하의대11:20 - 11:30 How to Apply Korean Anticoagulation Guideline in PCI Patients
황유미 / 가톨릭의대11:30 - 11:40 Non-genetic Risk Factor for AF
김윤기 / 고려의대

11:40 - 11:50 Discussion

Channel 01**Scientific Session [Pfizer Upjohn]****12:00 -
12:40****Evidence Based Strategies: Optimizing an ASCVD Management**

- 12:00 - 12:20 **Highlighting Atorvastatin's CV Protection Evidence in the Last Few Decades**
이준희 / 한림의대
- 12:20 - 12:40 **Amlodipine, 30 Years of Evidence in Hypertension Treatment: Now from Children to Adults**
손일석 / 경희의대

Chairpersons
한규록, 김용진**Channel 02****Scientific Session [Amgen]****12:00 -
12:40****The Earlier, The Better: An Ideal Approach with PCSK9 Inhibition in ACS Patients**

- 12:00 - 12:15 **The Importance of LDL-C Lowering with Evolocumab in Recent ACS**
서정원 / 서울의대
- 12:15 - 12:30 **PCSK9 Inhibition: Beyond LDL-C Lowering Effect in ACS Patients**
정영훈 / 경상대의대
- 12:30 - 12:40 **Discussion**

Chairpersons
정명호, 김효수**Channel 03****Scientific Session [Boryung]****12:00 -
12:40****What's New in Cardiovascular Disease Risk Management**

- 12:00 - 12:20 **Facing the Challenge of Hypertension and Dyslipidemia Management**
신진호 / 한양대의대
- 12:20 - 12:40 **Outcomes after Use of 110mg Dabigatran in Patients with AF**
임우현 / 서울의대

Chairpersons
이만영, 강석민**Channel 04****Diamond Session [BMS/Pfizer]****12:00 -
12:40****Anticoagulation Management in NVAF: Optimizing Patient Outcomes**

- 12:00 - 12:20 **The Evolution of the ESC Atrial Fibrillation Management Guideline**
신승용 / 중앙의대
- 12:20 - 12:40 **Long-term Persistence and Adherence in Patients with Atrial Fibrillation: Impact of Dosing Frequency**
박승정 / 성균관의대

Chairpersons
김대혁, 정보영**Channel 05****Lipid****12:00 -
13:30****Management of Dyslipidemia in Diverse Diseases**

- 12:00 - 12:20 **Dyslipidemia Management in Diabetes**
정인경 / 경희의대
- 12:20 - 12:40 **Dyslipidemia Management in Stroke**
류위선 / 동국의대
- 12:40 - 13:00 **Dyslipidemia Management in Kidney Disease**
이규백 / 성균관의대
- 13:00 - 13:20 **Dyslipidemia Management in Coronary Artery Disease**
조상호 / 한림의대
- 13:20 - 13:30 **Discussion**

Chairpersons
김치정, 정인경
Panel
김학령, 박훈준,
서원우, 안효석,
조준환**Channel 01****Myocardial Infarction 2****14:00 -
15:30****Recent Updates in AMI**

- 14:00 - 14:20 **Impact of Recent AMI Trials on My Daily Practice: COMPLETE, ISAR-REACT 5, CULPRIT SHOCK, COAPT**
이상엽 / 충북대의대
- 14:20 - 14:40 **PCI for Nonculprit Lesion in STEMI: Assessment, Timing and Outcome**
고진신 / 경상대의대
- 14:40 - 15:00 **How to Improve Suboptimal Reperfusion in STEMI?**
추은호 / 가톨릭의대
- 15:00 - 15:20 **Challenges in Reperfusion for STEMI in the COVID-19 Pandemics**
김정수 / 부산의대
- 15:20 - 15:30 **Discussion**

Chairpersons
김효수, 차광수
Panel
문재연, 서준,
이장훈, 이중희,
황진용

Channel 02

Cross Specialty: Arrhythmia & Heart Failure

14:00 - 15:30

Chairpersons
최동주, 오용석

Clinical Challenges: AF and HF

- 14:00 - 14:10 Introduction-Incidence Epidemiology Risk
양필성 / 차의대
- 14:10 - 14:20 AF Causing HF versus HF Causing AF: Can We Tell One from the Other
김응주 / 고려의대
- 14:20 - 14:30 Optimal Management of the Patients with AF and HF: Anticoagulation and Antiarrhythmic Drugs
최종일 / 고려의대
- 14:30 - 14:40 Optimal Management of the Patients with AF and HF: Beta-blocker Still Useful?
박진주 / 서울의대
- 14:40 - 14:50 Role of AF Ablation in HF – AF Ablation vs. AV Node Ablation and CRT as Primary Therapy
박형섭 / 계명의대
- 14:50 - 15:00 AF in HF: Ablate or Not?
이상언 / 울산의대
- 15:00 - 15:30 Discussion

Channel 03

Essence Echocardiography 1

14:00 - 15:30

Chairpersons
권준, 하중원
Panel
김형윤, 손일석, 정욱진, 최의영

Mitral Regurgitation: From Diagnosis to Treatment

- 14:00 - 14:20 Comprehensive Analysis of Mitral Regurgitation Using TTE, TEE and 3D Echocardiography
조익성 / 연세의대
- 14:20 - 14:40 Proportionate and Disproportionate Functional Mitral Regurgitation: A New Conceptual Framework from Mitraclip Trials
박성지 / 성균관의대
- 14:40 - 15:00 Echocardiographic Evaluation and Procedure Monitoring in Percutaneous Mitral Intervention
김대희 / 울산의대
- 15:00 - 15:20 Surgical Mitral Valve Repair: Where We Stand?
유재석 / 세종병원
- 15:20 - 15:30 Discussion

Channel 04

Cardiac Surgery

14:00 - 15:30

Chairpersons
양지혁, 정성호
Panel
강준규, 김준성, 이재진

In the Era of MCS, Are We Transplanting the Heart More to Moribund Patients?

- 14:00 - 14:15 Selection Criteria for Candidates and Current Status of Heart Transplant in Korea
김순영 / 국립장기조직혈액관리원
- 14:15 - 14:30 Heart Transplant with or without MCS: Trends in Korea
조양현 / 성균관의대
- 14:30 - 14:45 Factors Affecting the Long-term Outcome of Heart Transplant in the Era of MCS
황호영 / 서울의대
- 14:45 - 15:00 How Can We Overcome the Shortage of Donors?
정재승 / 고려의대
- 15:00 - 15:30 Discussion

Channel 01

Women Heart Disease

15:40 - 17:10

Chairpersons
김령아, 홍경순
Panel
김인철, 김장영, 박성미, 정진욱

Immunity and Heart

- 15:40 - 16:00 Immune and Heart
김학령 / 서울의대
- 16:00 - 16:20 Autoimmune Related Cardiac Disease
김미나 / 고려의대
- 16:20 - 16:40 Viral Infection and Heart
변영섭 / 인제의대
- 16:40 - 17:00 Vaccination and Heart
김형윤 / 전남의대
- 17:00 - 17:10 Discussion

Channel 02

New Frontiers in Cardiology 1: Heart Failure

15:40 -
17:10

Heart Failure 2020

- 15:40 - 16:00 **HF Epidemiology, Awareness and Performance Measures**
유병수 / 연세원주의대
- 16:00 - 16:20 **Update on Recent HF Guidelines**
조현재 / 서울의대
- 16:20 - 16:40 **Surgical Treatment of Advanced HF: HTx and LVAD**
정성호 / 울산의대
- 16:40 - 17:10 **Discussion**

Chairpersons

김기식, 최동주

Panel

김민석, 윤종찬,
최성훈, 최진오

Channel 03

Eng JCS-KSC Joint Session: Cardiometabolic Syndrome

15:40 -
17:10

SGLT2 Inhibitor vs. GLP1 Analogue for Cardiometabolic Syndrome

- 15:40 - 16:00 **Selective Roles of SGLT2 Inhibitors and GLP-1 Analogues to Reduce Cardiovascular Risk**
In Chang Hwang / Seoul National Univ., Korea
- 16:00 - 16:20 **Efficacy and Mechanism of Action of SGLT2 Inhibitors in Heart Failure**
Motoaki Sano / Keio Univ., Japan
- 16:20 - 16:40 **Novel Duo for Cardiometabolic Syndrome: SGLT2 Inhibitors and GLP-1**
Jun Sung Moon / Youngnam Univ., Korea
- 16:40 - 17:00 **Natriuretic Effect of SGLT2 and Its Mechanisms in Patients with HF and T2DM**
Kaoru Dohi / Mie Univ., Japan
- 17:00 - 17:10 **Discussion**

Chairpersons

Motoaki Sano,
Soo Lim

Panel

Sang Hyun Ihm

Channel 04

Eng Cardiac Pathology

15:40 -
17:10

Cardiac Conduction System in Human Heart

- 15:40 - 16:00 **Embryology of Conduction System**
Jung Sun Kim / Sungkyunkwan Univ., Korea
- 16:00 - 16:20 **His-purkinje System**
Il-Young Oh / Seoul National Univ., Korea
- 16:20 - 16:40 **Cardiac Conduction System for Electrophysiologist**
S Yen Ho / Royal Brompton Hospital, UK
- 16:40 - 17:00 **Cardiac Conduction System in Congenital Heart Disease**
S Yen Ho / Royal Brompton Hospital, UK
- 17:00 - 17:10 **Discussion**

Chairpersons

June Huh,
Seil Oh

Panel

Jin-Seok Kim,
Chun Soo Park,
Jeong Wook Seo,
Mi Kyoung Song,
Jae-Sun Uhm,
Hee Tae Yu,
Won-Seok Choi

Channel 01

Epidemiology

17:20 -
18:50

국민건강보험빅데이터(NHI-BD)를 이용한 심혈관질환 역학연구

Chairpersons

김동욱, 이해영

Panel

김현성, 성기철,
이호규

- 17:20 - 17:40 **고혈압 및 심혈관질환 역학연구**
김현창 / 연세의대
- 17:40 - 18:00 **당뇨병 및 심혈관질환 역학연구**
이상열 / 경희의대
- 18:00 - 18:20 **심혈관계 약물의 비교효과 연구**
유승찬 / 아주의대
- 18:20 - 18:40 **만성질환 질병 부담 평가 연구**
조민우 / 울산의대
- 18:40 - 18:50 **Discussion**

Channel 02

Nurse-Technician Session

17:20 - 18:50

Changes in the Environment of Cath Rooms

Chairpersons

이민석, 박은심

Panel

강준원, 김태우,
박경진, 백성일,
이규성, 이승훈,
이현진

17:20 - 17:40 **Recent Trends in Cathroom Configuration (Hardware Setup)**

이하준 / 고대안암병원

17:40 - 18:00 **Introducing the Latest Device Updates**

이승현 / 강남세브란스병원

18:00 - 18:20 **PCI Procedure under the Support Ecmo**

박상만 / 삼성서울병원

18:20 - 18:40 **Changes in Cathroom Procedure Environment Due to COVID-19**

김선배 / 서울아산병원

18:40 - 18:50 **Discussion**

Channel 03

Smart Health

17:20 - 18:50

Remote Monitoring of Cardiovascular Diseases

Chairpersons

박승우, 김영학

Panel

양정훈, 윤창환,
이민호

17:20 - 17:35 **Remote Monitoring by Implantable Devices**

정보영 / 연세의대

17:35 - 17:50 **Remote Monitoring by Wearable Devices**

오일영 / 서울의대

17:50 - 18:05 **Ubiquitous Blood Pressure Monitoring by New Technologies**

박준빈 / 서울의대

18:05 - 18:20 **Pro and Cons of Telemonitoring of ICU**

전기현 / 메디플렉스세종병원

18:20 - 18:50 **Discussion**

Channel 04

Intervention 1

17:20 - 18:50

Which Evidence-Based NOAC Should Be the Preferred Dual Anti-thrombotic Regimen in AF Patients Undergoing PCI?

Chairpersons

한규록, 안영근

Panel

강웅철, 김성은,
김중선, 도준형,
홍영준

17:20 - 17:35 **P2Y12 Inhibitor with Rivaroxaban**

박경우 / 서울의대

17:35 - 17:50 **P2Y12 Inhibitor with Dabigatran**

서석민 / 가톨릭의대

17:50 - 18:05 **P2Y12 Inhibitor with Apixaban**

임홍석 / 아주의대

18:05 - 18:20 **P2Y12 Inhibitor with Edoxaban**

박재형 / 고려의대

18:20 - 18:50 **Discussion**

17
Sat.

DAY 2

KSC 2020 Program

Channel 01

08:40 -
10:10

Chairperson

송종민

Panel

김성목, 은영민,
이영옥, 이정명,
이철, 차명진

Video Session 1: Adult Congenital Heart Disease & Cardiac Pathology

Better Understanding Morphology for a Better Choice of Treatment in ACHD

1. Percutaneous Pulmonary Valve Implantation in RVOT Disease

08:40 - 09:00 Percutaneous Pulmonary Valve Implantation in RVOT Disease
김기범 / 서울의대, 서정욱 / 서울의대09:00 - 09:15 Video Demonstration of Percutaneous Pulmonary Valve Implantation
장소익 / 세종병원

2. Cardiac Conduction System in Congenital Heart Disease Patient-Focused on VT

09:15 - 09:30 Catheter Ablation for VT in a Patient with TOF (or VSD)
엄재선 / 연세의대09:30 - 09:55 Anatomical Video Demonstration of Conduction System of CHD
서정욱 / 서울의대, 김정선 / 성균관의대

09:55 - 10:10 Discussion

Channel 02

08:40 -
10:10

Chairpersons

전은석, 허승호

Panel

양정훈, 양한모,
이상연, 임영호,
최성훈

Cross Specialty: Intervention & Heart Failure

Interventional Treatment in Advanced Heart Failure

08:40 - 08:55 Ischemic Cardiomyopathy: What Is the Best Therapy: OMT vs. PCI vs. CABG
이철환 / 울산의대08:55 - 09:10 Severe TR and MR in Advanced HF | Whom to Treat and How to Treat
김중선 / 연세의대09:10 - 09:25 Treatment of Cardiac Allograft Vasculopathy | How to Diagnose and How to Treat
김경희 / 세종병원09:25 - 09:40 Decreasing LVEF | When to Contact HF Specialist and What May Change Thereafter?
최정현 / 부산의대

09:40 - 10:10 Discussion

Channel 05

08:40 -
10:10

Chairpersons

Hae Ok Jung,
Il Suk Sohn

Panel

Juhan Kim,
Sang Hoon Seol,
Sung Kee Yoo,
Seon Gi Lee

Eng Vascular 1

Microcirculation and Heart

08:40 - 09:00 Saropenia and Vascular Function
Heesun Lee / Seoul National Univ., Korea09:00 - 09:20 Microcirculation in Skeletal Muscle: Opportunities on the Horizon
Jonathan R. Lindner / Oregon Health and Science Univ., USA09:20 - 09:40 Retinal Microvascular Dysfunction and Cardiovascular Disease
Chan Joo Lee / Yonsei Univ., Korea09:40 - 10:00 Coronary Microvascular Dysfunction: Evaluation and Implication
Jonathan R. Lindner / Oregon Health and Science Univ., USA

10:00 - 10:10 Discussion

Channel 01

New Frontiers in Cardiology 2: Coronary Artery Disease

10:20 -
11:50

Chairpersons

채인호, 이성윤

Panel

배장환, 연태진,
차정준, 허정호

- 10:20 - 10:40 **Role of P2Y12 Antagonists in Patients with Acute Coronary Syndrome**
김병국 / 연세의대
- 10:40 - 11:00 **Past, Present and Future of Coronary Stents**
홍영준 / 전남의대
- 11:00 - 11:20 **Past, Present and Future of Coronary Imaging**
이철환 / 울산의대
- 11:20 - 11:40 **Past, Present and Future of Coronary Physiology**
구본권 / 서울의대
- 11:40 - 11:50 **Discussion**

Channel 02

Cross Specialty: Intervention & Arrhythmia

10:20 -
11:50

Chairpersons

김무현, 오용석

Panel

김중선, 김진배,
신은석, 장성원,
최익근, 최종일

Gather the Wisdom Together

- 10:20 - 10:40 **Optimal Strategy of Anti-PLT and Antithrombotics in Patients in AF after PCI – Within 12 Months after PCI**
조상호 / 한림의대
- 10:40 - 11:00 **Optimal Strategy of Anti-PLT and Antithrombotics in Patients in AF after PCI – Beyond 12 Months after PCI**
홍성진 / 연세의대
- 11:00 - 11:20 **Appropriate Strategy of Stroke Prevention in Patients with AF – High Bleeding Risk**
신승용 / 중앙의대
- 11:20 - 11:40 **Appropriate Strategy of Stroke Prevention in Patients with AF – Recurrent Stroke or Embolism**
이소령 / 서울의대
- 11:40 - 11:50 **Discussion**

Channel 05

Eng TSOC-KSC Joint Session: Heart Failure

10:20 -
11:50

Chairpersons

Yih-Shang Chen,
Eun Seok Jeon

Panel

Jong-Chan Youn,
Hye Won Lee

Heart Transplantation 2020

- 10:20 - 10:40 **Overview of Heart Transplantation in Korea**
Jin Oh Choi / Sungkyunkwan Univ., Korea
- 10:40 - 11:00 **Heart Failure Post-Acute Care (HF-PAC) – A Multi-disciplinary Integrated Case Management Program**
Chii-Ming Lee / National Taiwan Univ. Hospital, Taiwan
- 11:00 - 11:20 **Heart Transplantation and Malignancy**
In Cheol Kim / Keimyung Univ., Korea
- 11:20 - 11:40 **Impact of Pre-HTX MCS on Post-HTX Outcomes**
Yih-Shang Chen / National Taiwan Univ. Hospital, Taiwan
- 11:40 - 11:50 **Discussion**

Channel 01

Diamond Session [Pfizer Upjohn]

12:00 -
12:40

Chairpersons

정육성, 구본권

Impact of Statins on CV Outcomes: It's a Matter of Life and Death

- 12:00 - 12:20 **Why Is It Imperative to Consider Maximum Tolerable Statin as a First Treatment Option for ASCVD Patients**
이종영 / 성균관의대
- 12:20 - 12:40 **If It's All Just LDL Reduction, Shouldn't We Clarify Many Faces of Atorvastatin?**
강웅철 / 가천의대

Channel 02

Scientific Session [Novartis]

12:00 -
12:40

Chairpersons

전은석, 박현식

ARNI: The Essential HF Intervention

- 12:00 - 12:20 **Reverse Patient's Life Back to Home by In-hospital Optimization**
김인철 / 계명대의대
- 12:20 - 12:40 **Breaking the Vicious Cycle of Cardiac Remodeling with ARNI**
우종신 / 경희대의대

Channel 03

Scientific Session [Samjin]

12:00 -
12:40

Optimal Therapy in Cardiovascular Disease Management

- 12:00 - 12:20 Optimal Treatment Strategy for ACS Patients with Clopidogrel
조준환 / 중앙의대
- 12:20 - 12:40 Role of NOACs in Patients with Atrial Fibrillation – Focused on Apixaban
임홍의 / 한림의대

Chairpersons
채인호, 황교승

Channel 04

Scientific Session [MSD]

12:00 -
12:40

Lipid Management to Reduce CVD

- 12:00 - 12:30 The Benefit of Ezetimibe/Atorvastatin FDC for Coronary Patients with Hyperlipidemia
권성욱 / 인제의대
- 12:30 - 12:40 Discussion

Chairperson
정진욱

Channel 01

Video Session 2: Intervention

14:00 -
15:30

Issues Regarding Mitral Valve Intervention and Cardiogenic Shock

- 14:00 - 14:15 Transcatheter Mitral Valve-in-valve Implantation
국형돈 / 고려의대
- 14:15 - 14:30 Role of Cerclage in Patients with Mitral Regurgitation
김준홍 / 부산의대
- 14:30 - 14:45 Clinical Pearls of Venoarterial Extracorporeal Membrane Oxygenation for Cardiogenic Shock
양정훈 / 성균관의대
- 14:45 - 15:00 MitraClip in Degenerative MR
강도윤 / 울산의대
- 15:00 - 15:15 MitraClip in Functional MR
홍성진 / 연세의대
- 15:15 - 15:30 Discussion

Chairpersons
장양수, 권현철
Panel
나승운, 박덕우,
송영빈, 안철민,
윤창환

Channel 02

Echocardiography 2

14:00 -
15:30

Prosthetic Valve: How to Evaluate and Manage the Complications

Chairperson
박승우
Panel
설상훈, 손장원,
이선화, 허란

- 14:00 - 14:15 Evaluation of Prosthetic Valve Function Using Multimodality Imaging
김은경 / 성균관의대
- 14:15 - 14:30 Prosthetic Valve Selection in the Era of Percutaneous Intervention
황호영 / 서울의대
- 14:30 - 14:45 Management of Paravalvular Leakage: From Medical to Surgical Management
이승아 / 울산의대
- 14:45 - 15:00 Anticoagulation in Patients with Prosthetic Valve
홍그루 / 연세의대
- 15:00 - 15:30 Discussion

Channel 03

Cross Specialty: Intervention & Preventive Cardiology

14:00 -
15:30

Risk Factor Control for Secondary Prevention of Coronary Artery Disease

Chairpersons
백상훈, 김무현
Panel
김주한, 박훈준,
이찬주, 조성수,
최철웅

- 14:00 - 14:15 Optimal Blood Pressure Treatment Strategy after Acute Coronary Syndrome
손일석 / 경희의대
- 14:15 - 14:30 Lipid Lowering Treatment after Acute Coronary Syndrome: How Low Should We Go?
서준 / 순천향의대
- 14:30 - 14:45 Exercise after Acute Coronary Syndrome
이종영 / 성균관의대
- 14:45 - 15:00 DM Control after Coronary Intervention: SGLT2, GLP1 Analogue or Both?
홍순준 / 고려의대
- 15:00 - 15:30 Discussion

Channel 04

14:00 -
15:30

Chairpersons

오동진, 조용근,
남기병

Panel

부기영, 안민수,
진무년

Arrhythmia 2

Sudden Cardiac Death

- 14:00 - 14:10 **Epidemiology and Mechanism of SCD**
노승영 / 고려의대
- 14:10 - 14:20 **Risk Stratification of SCD**
박종성 / 동아의대
- 14:20 - 14:30 **Health Check-up ECGs Suggesting SCD**
이성호 / 성균관대의대
- 14:30 - 14:40 **From ICD 10 to ICD 11: Update of SCD Code**
오일영 / 서울의대
- 14:40 - 14:50 **Clinical Diagnosis of Channelopathy**
윤남식 / 전남의대
- 14:50 - 15:00 **Emerging Concepts in Arrhythmogenic Cardiomyopathy**
이대인 / 충북의대
- 15:00 - 15:10 **Update of Primary Prevention for SCD**
김성환 / 가톨릭의대
- 15:10 - 15:20 **Arrhythmia Monitoring in during and after a COVID-19 Pandemic**
최종일 / 고려의대
- 15:20 - 15:30 **Discussion**

Channel 01

15:40 -
17:10

Chairpersons

강석민, 임상현

Panel

김인철, 남종호,
장민욱

Cardiovascular Disease Prevention

Cardiac Rehabilitation: Power and Possibilities

- 15:40 - 15:55 **Cardiac Rehabilitation: Current Positioning (Evidence)**
이찬주 / 연세의대
- 15:55 - 16:10 **Cardiac Rehabilitation: Korean Status and Reimbursement Guideline**
이동재 / 가톨릭의대
- 16:10 - 16:25 **Cardiac Rehabilitation: Pratical Tips of Exercise Prescription**
성지동 / 성균관대의대
- 16:25 - 16:40 **Cardiac Rehabilitation: Future Perspective**
김응주 / 고려의대
- 16:40 - 17:10 **Discussion**

Channel 02

15:40 -
17:10

Chairpersons

장경식, 김용진

Panel

나진오, 박용현,
윤현주, 최정현

Echocardiography 3

Common Situations in Echocardiography

- 15:40 - 15:55 **Patients with Pericardial Effusion: When to Drain and How to Evaluate?**
김현진 / 한양대의대
- 15:55 - 16:10 **Patients with Isolated RV Dysfunction: How to Evaluate?**
박재형 / 충남의대
- 16:10 - 16:25 **Patients with the Appearance of Bubble in Left Heart during Agitated Saline Echocardiography**
선병주 / 충남의대
- 16:25 - 16:40 **Patients with Mitral Annulus Calcification**
서지원 / 연세의대
- 16:40 - 17:10 **Discussion**

Channel 03

15:40 -
17:10

Chairpersons

노정일, 김영휘

Panel

나재운, 반지은,
윤자경, 차슬기

Pediatric Cardiology 1

Before and After What We Have Done

- 15:40 - 16:00 **What We Need to Know about Balloon and Stent for Stenosis – Before and after**
김성호 / 세종병원
- 16:00 - 16:20 **What We Need to Know about Occlusion Device for Shunt – Before and after**
이형두 / 부산의대
- 16:20 - 16:40 **What We Need to Know about Valve Implantation – Before and after**
최재영 / 연세의대
- 16:40 - 17:00 **What We Need to Know about Electrophysiologic Ablation – Before and after**
배은정 / 서울의대
- 17:00 - 17:10 **Discussion**

Channel 04

Eng Heart Failure 3

15:40 -
17:10

Chairpersons

Byung-Hee Oh,
Eun Seok Jeon

Panel

Jae Suk Yoo,
Sung Ho Jung,
Wook-Jin Chung,
Jin Oh Choi,
Sukkeun Hong

Left Ventricular Assist Device 2020

- 15:40 - 15:55 **Current Practices of LVAD in Korea: Where Should We Go?**
Yang Hyun Cho / Sungkyunkwan Univ., Korea
- 15:55 - 16:10 **LVAD Experience in Taiwan: What Is the Implication for Korea?**
Yih-Sharnq Chen / National Taiwan Univ. Hospital, Taiwan
- 16:10 - 16:25 **Pitfalls and Practical Tips in Medical Management of LVAD**
Min-Seok Kim / Ulsan Univ., Korea
- 16:25 - 16:40 **Bridge To Transplant (BTT): When and How?**
Kyung-Hee Kim / Sejong Hospital, Korea
- 16:40 - 17:10 **Discussion**

Channel 01

Geriatric Cardiology

17:20 -
18:50

Chairpersons

김기식, 김동수

Focused on Octogenarian Patients

- 17:20 - 17:37 **What Is Optimal BP in Very Old Hypertensive Patients?**
이해영 / 서울의대
- 17:37 - 17:54 **How to Use Statins in Elderly Patients?**
이상학 / 연세의대
- 17:54 - 18:11 **How to Manage Heart Failure in Octogenarian?**
양동현 / 경북의대
- 18:11 - 18:28 **Anticoagulation/Antiplatelet Therapy in Very Old Patients**
정영훈 / 경상의대
- 18:28 - 18:38 **Summary: Why Geriatric Cardiology Is Important?**
김기식 / 대구가톨릭의대
- 18:38 - 18:50 **Discussion**

Channel 02

Eng JCS-KSC Joint Session: Hypertension

17:20 -
18:50

Chairpersons

Tatsuo Shimosawa,
Wook Bum Pyun

Challenges in Hypertension Managements in Cardiology Clinic

- 17:20 - 17:40 **Adherence Issues in Hypertension Treatments**
Hack-Lyoung Kim / Seoul National Univ., Korea
- 17:40 - 18:00 **Deep Insights into Heart Rate in the Management of Hypertension**
Takuya Kishi / International Univ. of Health and Welfare, Japan
- 18:00 - 18:20 **Management of Hypertension and HFpEF**
Sung Ha Park / Yonsei Univ., Korea
- 18:20 - 18:40 **With Covid, Covid Survivor and Hypertension**
Tatsuo Shimosawa / International Univ. of Health and Welfare, Japan
- 18:40 - 18:50 **Discussion**

Channel 03

Pediatric Cardiology 2

17:20 -
18:50

Chairpersons

박영환, 현명철

Panel

김형태, 은영민,
이영옥, 이옥정,
최은석

What to Learn More about TGA

- 17:20 - 17:35 **Diagnosis and Pre-op Management for Complete TGA and Corrected TGA**
정세용 / 연세의대
- 17:35 - 17:50 **Surgical Issues and Pitfalls for Complete TGA**
곽재건 / 서울의대
- 17:50 - 18:05 **Long-term Follow Up Issues for Complete TGA**
장소익 / 세종병원
- 18:05 - 18:20 **Surgical Issues - When and What to Do for Corrected TGA**
양지혁 / 성균관의대
- 18:20 - 18:35 **Long-term Follow Up Issues for Corrected TGA**
송미경 / 서울의대
- 18:35 - 18:50 **Discussion**

Channel 04

Eng ESC-KSC Joint Session: Smart Health

17:20 -
18:50

Chairpersons

Aiden Doherty,
Yong-Jin Kim

Smart Health for the Diagnosis and Monitoring of Cardiovascular Diseases

- 17:20 - 17:40 **Emerging Technologies for the Arrhythmia**
Il-Young Oh / Seoul National Univ., Korea
- 17:40 - 18:00 **Reproducible Machine Learning of Wearable Sensor Data for the Early Detection of Cardiovascular Disease**
Aiden Doherty / Univ. of Oxford, UK
- 18:00 - 18:20 **Future Monitoring Devices for Hemodynamics in Intensive Care Units**
Jeehoon Kang / Seoul National Univ., Korea
- 18:20 - 18:40 **Using Records Linkage for Cardiovascular Disease Research**
Ilonca Vaartjes / Univ. Medical Center Utrecht, Netherlands
- 18:40 - 18:50 **Discussion**

19
Sun.

Channel 01

08:40 -
10:10

Chairpersons

권현철, 윤영남

Panel

김민석, 양정훈,
장우진, 조양현,
황병희

Channel 02

08:40 -
10:10

Chairpersons

김효수, 나승운

Panel

강웅철, 박용현,
양태현

DAY 3

KSC 2020 Program

Cross Specialty: Cardiogenic Shock

Current Update and Future Perspectives in Cardiogenic Shock

- 08:40 - 09:00 **Assessment of Hemodynamics and Tissue Perfusion in CS**
김인철 / 계명대
- 09:00 - 09:20 **New Definition of Cardiogenic Shock: SCAI SHOCK**
김범성 / 건국대
- 09:20 - 09:40 **MCS First vs Revascularization First in AMI Complicated by CS**
최기홍 / 성균관대
- 09:40 - 10:00 **Cardiac Replacement Therapy in Ischemic Cardiomyopathy**
정재승 / 고려대
- 10:00 - 10:10 **Discussion**

Education Workshop 1: Intervention

Interventional Therapy for Valvular Heart Disease

- 08:40 - 09:00 **Recent Update of Aortic Stenosis Trial and Guideline**
최철웅 / 고려대
- 09:00 - 09:20 **Interventional Therapy for Aortic Stenosis**
김주한 / 전남대
- 09:20 - 09:40 **Recent Update of Mitral Insufficiency Trial and Guideline**
홍성진 / 연세대
- 09:40 - 10:00 **Interventional Therapy for Mitral Insufficiency**
강도윤 / 울산대
- 10:00 - 10:10 **Discussion**

Channel 03

08:40 -
10:10**Chairpersons**
김기식, 윤호중
Panel김형섭, 박찬석,
윤종찬, 이윤규

Cardio-Oncology

Cardiovascular Complication of Anti-cancer Immunotherapy

- 08:40 - 09:00 **Anti-Cancer Immunotherapy: Immunologist's Perspectives**
신의철 / KAIST
- 09:00 - 09:20 **Anti-Cancer Immunotherapy: Oncologist's Perspectives**
이수현 / 고려의대
- 09:20 - 09:40 **Anti-Cancer Immunotherapy: Cardiologist's Perspectives**
김은경 / 성균관대의대
- 09:40 - 10:10 **Discussion**

Channel 04

08:40 -
10:10**Chairpersons**
이철환, 최동훈
Panel김동빈, 윤경호,
이상엽, 이장훈,
장재식, 최윤석

Intervention 2

Current Evidences for Lipid-lowering Therapy in Patients with Cardiovascular Disease

- 08:40 - 09:00 **Up-to-date Guidelines and Evidences for Statin Therapy in Patients with Cardiovascular Disease**
김용철 / 연세의대
- 09:00 - 09:20 **Benefits of PCSK9 Inhibitors in Patients with Cardiovascular Disease**
남창욱 / 계명대의대
- 09:20 - 09:40 **Is Fish Oil Still Useful in Patients with Cardiovascular Disease?**
이중희 / 영남의대
- 09:40 - 10:00 **What Are the Upcoming New Lipid Lowering Agents?**
김상현 / 서울의대
- 10:00 - 10:10 **Discussion**

Channel 01

10:20 -
11:50**Chairpersons**
Young-Hoon Kim,
Tae Joon Cha,
Seil Oh
Panel
Jin Kyung Hwang**Eng** New Frontiers in Cardiology 3: Arrhythmia

Plenary Lecture in Arrhythmia

- 10:20 - 10:40 **Key Note Lecture: VT Ablation**
Chun Hwang / Utah Valley Regional Medical Center, USA
- 10:40 - 11:00 **New Technique in Ablation**
Julian Chun / Cardioangiologisches Centrum Bethanien, Germany
- 11:00 - 11:20 **Mechanism of Arrhythmia: Biological VT Ablation**
Eduardo Marban / Cedars-Sinai Medical Center, USA
- 11:20 - 11:50 **Discussion**

Channel 02

10:20 -
11:50**Chairpersons**
임세중, 박승우
Panel김은경, 서정숙,
황희정

Education Workshop 2: Echocardiography

The Role of Echocardiography in Various Cardiac Procedures

- 10:20 - 10:40 **Role of Echo in ASD / PDA Device Closure**
박용현 / 부산의대
- 10:40 - 11:00 **Role of Echo in TAVR**
최홍미 / 한림의대
- 11:00 - 11:20 **Role of Echo in Mitral Clip**
서지원 / 연세의대
- 11:20 - 11:40 **Role of Echo in LAA Device Closure**
김경희 / 세종병원
- 11:40 - 11:50 **Discussion**

Channel 03

10:20 -
11:50**Chairpersons**
편옥범, 임상현
Panel박준빈, 정미향,
정중화, 정해문

Hypertension

BP Variability

- 10:20 - 10:40 **Definition and Clinical Implication of BP Variability**
김현진 / 한양대의대
- 10:40 - 11:00 **How to Approach in Patients with Variable BP**
김대희 / 울산의대
- 11:00 - 11:15 **BP Variability and New Onset AF**
이소령 / 서울의대
- 11:15 - 11:30 **BP Variability and Dementia**
김범준 / 울산의대
- 11:30 - 11:50 **Discussion**

Channel 04

Cross Specialty: Neurology & Intervention

10:20 - 11:50

Similarities and Differences between Cardiovascular and Cerebrovascular Diseases

Chairpersons

허지희, 탁승제

Panel

김중선, 박택규, 서우근, 이준, 최철웅

- 10:20 - 10:35 **What Is the Difference between CAD and Stroke? Risk Factors, Incidence, and Prognosis**
박종호 / 한양의대
- 10:35 - 10:50 **Current Practice and Future Perspectives: Neurointervention in Ischemic Stroke**
백장현 / 성균관의대
- 10:50 - 11:05 **Current Practice and Future Perspectives: Coronary and Peripheral Vascular Interventions**
고영국 / 연세의대
- 11:05 - 11:20 **Robotic-assisted Intervention: Where We Are and Where We Are Going**
김영학 / 울산의대
- 11:20 - 11:50 **Discussion**

Channel 01

Scientific Session [Hanmi]

12:00 - 12:40

Preventing Cardiovascular Disease in Hypertension and Dyslipidemia Patients by Intensive Combination Therapy

Chairpersons

현민수, 최동훈

- 12:00 - 12:20 **Intensive Combination Therapy of Antihypertensive Drugs for Cardiovascular Protection**
박성미 / 고려의대
- 12:20 - 12:40 **Why Should We Consider Rosuvastatin+ezetimibe Fixed Dose Combination for Cardiovascular Disease Prevention**
김원 / 경희의대

Channel 02

Scientific Session [BMS/Pfizer]

12:00 - 12:40

Leading Excellence in NVAF & VTE

Chairpersons

권현철, 나득영

- 12:00 - 12:20 **Improving Outcomes for NVAF Patients with ACS and/or Requiring PCI**
서준 / 순천향의대
- 12:20 - 12:40 **How I Treat Venous Thromboembolism in Patient on Anticoagulant Therapy?**
오재원 / 연세의대

Channel 03

Scientific Session [Bayer]

12:00 - 12:40

Thanks To The Protection You Provide For Your Cardio Vascular Patients

Chairpersons

은영근, 나승운

- 12:00 - 12:20 **What Is the Optimal NOAC for Korean NVAF Patients with Specific Considerations?**
심재민 / 고려의대
- 12:20 - 12:40 **Changing Paradigm in Anti-thrombotic Treatment in Patients with High Risk CAD and/or PAD**
이종영 / 성균관의대

Channel 04

Scientific Session [Daewoong/Daiichisankyo]

12:00 - 12:40

AF with Hypertension and PCI

Chairpersons

강덕현, 편육범

- 12:00 - 12:20 **Hypertension Management in AF Patients**
이소령 / 서울의대
- 12:20 - 12:40 **Further Advance on the Use of NOACS in Patients with AF Undergoing PCI**
박경우 / 서울의대

Channel 05

Adult Congenital Heart Disease

12:00 - 13:30

Atrial Septal Defect: The Most Common Congenital Heart Defect in Adulthood

Chairpersons

강이석, 송종민

Panel

양동현, 이선화

- 12:00 - 12:15 **ASD Closure Basic: Indication for Device Closure**
이형두 / 부산의대
- 12:15 - 12:30 **ASD Closure in Heart Failure Patients**
장성아 / 성균관의대
- 12:30 - 12:45 **How to Manage the Tricuspid Regurgitation in ASD Patients**
박한기 / 연세의대
- 12:45 - 13:00 **Pulmonary Hypertension in ASD**
김경희 / 세종병원
- 13:00 - 13:15 **Atrial Fibrillation in ASD: Incidence and Treatment**
심재민 / 고려의대
- 13:15 - 13:30 **Discussion**

Channel 01

Ethics Workshop [필수교육]

14:00 - 15:30

4차 산업혁명시대 의료인으로서의 의미있는 삶을 위한 성찰

14:00 - 14:40 **의학연구와 의료윤리의 재조명**
정규원 / 한양대법학전문대학원

14:40 - 15:20 **시시대의 의료윤리; 무엇을 경계해야 할 것인가?**
양광모 / 성균관대

15:20 - 15:30 **Discussion**

Chairpersons
김기식, 승기배
Panel
김동수, 신동구

Channel 02

Education Workshop 3: Arrhythmia

14:00 - 15:30

Cardiac Implantable Electronic Device

14:00 - 14:20 **Implantable Loop Recorder – Evaluation of Syncope**
이지현 / 서울의대

14:20 - 14:40 **Pacemaker – Basics of Cardiac Pacing**
노승영 / 고려의대

14:40 - 15:00 **ICD – Primary and Secondary Prevention of SCD**
이정명 / 경희의대

15:00 - 15:20 **Cardiac Resynchronization – Predictors for Positive Response**
최영 / 가톨릭의대

15:20 - 15:30 **Discussion**

Chairpersons
정보영, 박형욱
Panel
양필성, 이광노, 최원석

Channel 03

임상심장학 연수강좌 1

14:00 - 15:30

개원가에서 궁금해하는 주제

14:00 - 14:20 **동맥경화증 예방을 위하여 오메가3 및 크릴오일의 역할**
김상현 / 서울의대

14:20 - 14:40 **관상동맥질환자의 심방세동 동반시 항혈소판제 치료전략**
정영훈 / 경상대

14:40 - 15:00 **만성신질환 환자에서의 혈압약 선택과 조절**
정혁준 / 강남병원

15:00 - 15:20 **혈압조절이 갑자기 안 되는 환자들의 검사 및 치료**
조은주 / 가톨릭의대

15:20 - 15:30 **Discussion**

Chairpersons
두영철, 성지동

Channel 04

Arrhythmia 3

14:00 - 15:30

PSVT & VT

14:00 - 14:10 **Pacing Maneuvers for SVT Differentiation**
김성수 / 조선의대

14:10 - 14:20 **Narrow QRS Tachycardia: ECG Differential Diagnosis**
천광진 / 강원대의대

14:20 - 14:30 **Wide QRS Tachycardia: ECG Differential Diagnosis**
김태훈 / 연세의대

14:30 - 14:40 **EKG Localization of Idiopathic PVC/VT**
조민수 / 울산의대

14:40 - 14:50 **RF Ablation Strategy of Papillary Muscle VT**
박예민 / 가천의대

14:50 - 15:00 **RF Ablation Strategy of RVOT VT**
김유리 / 동국의대

15:00 - 15:10 **RF Ablation Strategy of LVOT VT**
박경민 / 성균관의대

15:10 - 15:20 **Radioablation for VT**
차명진 / 서울의대

15:20 - 15:30 **Discussion**

Chairpersons
오용석, 남기병, 김대경
Panel
곽혜빈, 박영준, 송인결

Channel 01

Healthcare Policy 1

15:40 - 17:10

당뇨병의 심혈관질환 예방을 위한 효율적 예방과 치료

15:40 - 16:00 **당뇨병에서 인슐린 저항 및 심혈관질환의 발병 기전**
이인규 / 경북의대

16:00 - 16:20 **인슐린 저항에 미치는 lifestyle 요소**
김장영 / 연세원주의대

16:20 - 16:40 **당뇨병환자의 효율적 심혈관질환의 개선 방향_내분비내과의 관점**
김대중 / 아주의대

16:40 - 17:00 **당뇨병환자의 심혈관질환의 특징과 치료 방향_심장내과의 관점**
김원 / 경희의대

17:00 - 17:10 **Discussion**

Chairpersons
백상훈, 정익모
Panel
강은석, 이종영, 한승환

Channel 02

Education Workshop 4: Heart Failure

15:40 - 17:10

2020 Updated Management of Acute Heart Failure

- 15:40 - 15:55 Updated Medical Treatment for Acute Heart Failure
조현재 / 서울의대
- 15:55 - 16:10 Mechanical Circulatory Support for Acute Heart Failure
조양현 / 성균관의대
- 16:10 - 16:25 Coronary Revascularization and Acute Heart Failure
정진욱 / 충남의대
- 16:25 - 16:40 Ventricular Arrhythmia and Acute Heart Failure
김성환 / 가톨릭의대
- 16:40 - 16:55 Valvular Heart Disease and Acute Heart Failure
정해익 / 가톨릭의대
- 16:55 - 17:10 Discussion

Chairpersons

유병수, 최성훈

Panel

양동현, 조상호, 조은주

Channel 03

임상심장학 연수강좌 2

15:40 - 17:10

당뇨병과 심장

- 15:40 - 16:00 SGLT2i in Primary CVD Prevention
허규연 / 성균관의대
- 16:00 - 16:20 GLP-1RA in Primary CVD Prevention
최영주 / 허내과
- 16:20 - 16:40 당뇨병환자에서 죽상경화증 고위험군 선별
홍은경 / 한림의대
- 16:40 - 17:00 당뇨병환자에서 심부전 고위험군 선별
신성희 / 인하의대
- 17:00 - 17:10 Discussion

Chairpersons

손대원, 류재춘

Channel 04

Essence Arrhythmia 4

15:40 - 17:10

Current Practice and Future Perspective in Cardiac Arrhythmia

- 15:40 - 15:55 How to Improve My Practice with Korean AF Guideline?
정보영 / 연세의대
- 15:55 - 16:10 How to Apply Korean Syncope Guideline in Current Practice?
이영수 / 대구가톨릭의대
- 16:10 - 16:25 How to Apply Korean VT Guideline in Current Practice?
김주연 / 가톨릭의대
- 16:25 - 16:40 How to Apply Device Guideline in Current Practice?
성정훈 / 차의대
- 16:40 - 16:55 How to Treat SVT?
권창희 / 건국의대
- 16:55 - 17:10 Artificial Intelligence, Smart Health and Arrhythmia
박준범 / 이화의대

Chairpersons

곽충환, 황교승, 김대혁

Panel

김윤기, 정래영, 현대우

Channel 01

Healthcare Policy 2

17:20 - 18:50

심혈관질환의 두가지 중요한 요소: 생활양식과 미세먼지

- 17:20 - 17:40 심리사회적 요소와 심혈관질환
성지동 / 성균관의대
- 17:40 - 18:00 식이영양요인과 심혈관질환
한성림 / 서울대학교
- 18:00 - 18:20 미세먼지가 심혈관질환에 미치는 효과
홍윤철 / 서울의대
- 18:20 - 18:40 한국의 미세먼지 현황과 개선 방향
김용표 / 이화여자대학교
- 18:40 - 18:50 Discussion

Chairpersons

오동진, 김병욱

Panel

김원호, 정선재, 정익모

Channel 02

Echocardiography 4

17:20 - 18:50

Aortic Stenosis: From Diagnosis to Treatment

- 17:20 - 17:40 **Evaluation of Aortic Stenosis: Diagnostic Challenge and Pitfall**
조인정 / 이화의대
- 17:40 - 18:00 **Progression in Aortic Stenosis: Can We Delay the Progression?**
오진경 / 충남의대
- 18:00 - 18:20 **Looking beyond Valve in Aortic Stenosis**
박준빈 / 서울의대
- 18:20 - 18:40 **Surgical Indication in Aortic Stenosis**
박승우 / 성균관의대
- 18:40 - 18:50 **Discussion**

Chairpersons
김동수, 박태호
Panel

손정우, 정우백, 황인창

Channel 03

연구위원회/의료정보위원회 주관 세션

17:20 - 18:50

2004-2018년 심장질환 빅데이터 분석결과 발표

- 17:20 - 17:35 **전체 심혈관 질환의 변화 추이**
김현창 / 연세의대
- 17:35 - 17:50 **여성심장질환의 변화 양상**
박성미 / 고려의대
- 17:50 - 18:05 **희귀질환 Fabry Anderson 병의 역학**
김지희 / 가톨릭의대
- 18:05 - 18:20 **희귀질환 폐동맥고혈압의 변화 양상**
장영우 / 가천의대
- 18:20 - 18:50 **Discussion**

Chairpersons
배장호, 정육진
Panel

나진오, 박상민, 변영섭, 임상엽

Channel 04

Essence Intervention 3

17:20 - 18:50

Recent Updates in Structural Heart Disease

- 17:20 - 17:40 **What Are the Recent Updates for TAVI? Is It Ready for Low Risk Patients?**
김주한 / 전남의대
- 17:40 - 18:00 **What Do We Need to Know about Mitral and Tricuspid Percutaneous Intervention?**
강도윤 / 울산의대

Chairpersons
안태훈, 홍명기
Panel

고윤석, 김중선, 민필기, 서순용, 신상훈, 최철웅

Channel 05

BESCO

17:20 - 18:50

Imaging & Multi-scale Hemodynamics

- 17:20 - 17:40 **A Numerical Study of Cellular-scale Hemodynamics in a Complex Microvascular Network**
윤대근 / 포항공과대학교
- 17:40 - 18:00 **Development of Hemodynamics-based Patient-specific 3D Printing Prosthetic Grafts**
이경은 / 인하대학교
- 18:00 - 18:25 **Fully Automatic Extraction of Coronary Arteries in 3D CT Images**
전병환 / 경일대학교
- 18:25 - 18:50 **Discussion**

Chairpersons
김두상, 이계한
Panel

신승용, 이관용, 이준상

Channel 06

Eng Vascular 2

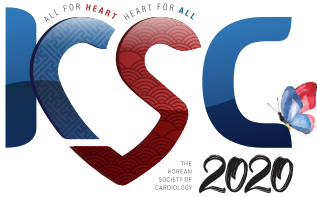
17:20 - 18:50

Large Artery Stiffness and Heart

- 17:20 - 17:40 **Large-artery Stiffness in Health and Disease**
Julio Chirinos / Univ. of Pennsylvania, USA
- 17:40 - 18:00 **Biomarkers and Cardiovascular Risks Related with Arterial Stiffness**
Hack-Lyoung Kim / Seoul National Univ., Korea
- 18:00 - 18:20 **Pulsatile Hemodynamics in Heart Failure with Preserved Ejection Fraction**
Julio Chirinos / Univ. of Pennsylvania, USA
- 18:20 - 18:40 **Arterial Stiffness and Subclinical Ventricular Dysfunction**
Chi Young Shim / Yonsei Univ., Korea
- 18:40 - 18:50 **Discussion**

Chairpersons
Jeong Bae Park, Hae Ok Jung
Panel

Sung Ha Park, Hae-Young Lee, Eun Joo Cho



대한심장학회 제64차 추계학술대회

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