

Leading Science, Saving Lives



2021 춘계심혈관 통합학술대회

2021 Annual Spring Scientific Conference of the KSC with Affiliated Cardiac Societies

2021

춘계심혈관 통합학술대회

2021 Annual Spring Scientific Conference of the KSC with Affiliated Cardiac Societies

대한심장학회 | 대한부정맥학회 | 대한소아심장학회 | 대한심부전학회 | 대한심혈관중재학회 |
심장대사중후군학회 | 한국심초음파학회 | 한국지질·동맥경화학회

4.16(Fri.) - 17(Sat.)

Virtual Conference

2021 춘계심혈관 통합학술대회

2021 Annual Spring Scientific Conference of the KSC with Affiliated Cardiac Societies

Diamond Sponsors



Webconference



The 65th Annual Scientific Meeting of The Korean Society of Cardiology

2021. 10. 15. Fri. - **17.** Sun.

Grand Walkerhill Seoul, Korea

Highlight Program

Guideline Session

What's New in 2020 Guideline Update?

Apr 16 (Fri.) 14:30 - 16:00 Channel 06

14:30 - 14:42	Adult Congenital Heart Disease	은영민 / 연세의대
14:42 - 14:54	Atrial Fibrillation	이영수 / 대구가톨릭의대
14:54 - 15:06	Acute Coronary Syndromes(ACS) in Patients Presenting without Persistent ST-Segment Elevation	이장훈 / 경북의대
15:06 - 15:18	Sports Cardiology and Exercise in Patients with CVD	이종영 / 성균관대의대
15:18 - 15:30	Valvular Heart Disease	정해역 / 가톨릭의대
15:30 - 15:42	Medical Care in Diabetes	권희상 / 가톨릭의대
15:42 - 15:54	Hypertension	손일석 / 경희의대
15:54 - 16:00	Discussion	

Basic Research Hot Session 1

Cutting-Edge Basic Research in Korea

Apr 16 (Fri.) 14:30 - 16:00 Channel 07

14:30 - 14:48	Predicting the Efficiencies and Outcomes of Genome Editing Using Deep Learning	김형범 / 연세의대
14:48 - 15:06	MI Vaccine to Prevent Heart Failure	김병수 / 서울대학교
15:06 - 15:24	The Role of Myeloid Cells in the Pathogenesis of Atherosclerosis	오구택 / 이화의대
15:24 - 15:42	Endothelial Dysfunction: A Strategic Target of Ischemic and Inflammatory Diseases	권영근 / 연세대학교
15:42 - 16:00	Discussion	

DAY
1

Program at a Glance

KSC	대한심장학회	KSIC	대한심혈관중재학회
KHRS	대한부정맥학회	KSCMS	심장대시증후군학회
KPHS	대한소아심장학회	KSE	한국심초음파학회
KSHF	대한심부전학회	KSoLA	한국지질·동맥경화학회

	Channel 01	Channel 02	Channel 03	Channel 04	Channel 05	Channel 06	Channel 07
09:30 - 11:00	KSE 1 Valvular Heart Disease, Recent Updates	Women Heart Disease Sex Difference in Cardiovascular Pharmacology	Myocardial Infarction 1 Controversial Issues for the Treatment of AMI	KSHF 1 2021 Update on Specific Cardiomyopathies	KHRS 1 ECG MASTERS: Case-Based Interpretation	Cross Specialty: Endocrinology, Nephrology and Cardiology SGLT2 Inhibitor and SGLT1/2 Inhibitor	Basic Research 1 Recent Issue and Translational Research in COVID-19
11:10 - 12:40	KSE 2 Looking Outside the Heart: Focus on Aortic Disease	*KSCP - KSC Joint Session Effect of Physical Activity on Cardiovascular Disease	Cardiac Pathology Microscopic / Ultramicroscopic Myocardium	KSHF 2 Essence of Recent HF Trials	KHRS 2 AF	Cross Specialty: Pulmonology & Cardiology Heart-Lung Interaction: How to Assess Dyspnea with Possible Heart-Lung Disease	Basic Research 2 Basic Concepts and Trends of Basic and Translational Cardiovascular Research
12:45 - 13:25	Scientific Session [Samjin] Customized Treatment for Cardiovascular Patients	Scientific Session [Viatris] Evidence Based Strategies: Optimizing an ASCVD Management	Scientific Session [Organon] The Benefit of Ezetimibe/atorvastatin Combination Therapy	Scientific Session [Novartis] ARNI: 1st Choice for Heart Failure Patients to Be Better Life	Scientific Session [Boryung] Current Advance of Management in Cardiovascular Disease	Diamond Session [Amgen] How to Use PCSK9 Inhibitor for Secondary Prevention After ACS	Scientific Session [Pfizer/BMS] Anticoagulation in Elderly Atrial Fibrillation Patients
13:25 - 14:25	Abstract 1 Hypertension and Basic Research	Abstract 2 Acute Coronary Syndrome & Coronary Artery Disease	Abstract 3 Cardiometabolic Diseases & Diagnostics in Cardiovascular Diseases	Case 1 Heart Failure, Echo & Imaging	Case 2 Intervention	Memorial Lecture	Case 3 Arrhythmia
14:30 - 16:00	Adult Congenital Heart Disease 1 How to Help Rhythm Problem in ACHD	KSIC 1 Complex and High-risk Indicated Procedure/Patients: Lectures for General Cardiologists	Myocardial Infarction 2 All about Cardiogenic Shock Following AMI	Hypertension Hypertension and Atrial Fibrillation	KHRS 3 Stroke Prevention	Guideline Session What's New in 2020 Guideline Update?	Basic Research Hot Session 1 Cutting-Edge Basic Research in Korea
16:10 - 17:40	Adult Congenital Heart Disease 2 How to Assess ACHD: Imaging Based Approach	KSIC 2 증례로 배우는 수술 전 항혈전제 조절	Cardiogenic Shock Basic Approach for Patients with Cardiogenic Shock	KSoLA 1 Metabolic Dysfunction & Vascular Biology	Epidemiology Real World Big Data for CVD Epidemiology	Trials Session Landmark Trials in 2020	Basic Research Hot Session 2 Cutting-Edge Basic Research in the World

*KSCP: 대한심뇌혈관질환예방학회

16 Fri.

DAY 2 Program at a Glance

- KSC 대한심장학회
- KHRS 대한부정맥학회
- KPHS 대한소아심장학회
- KSHF 대한심부전학회
- KSIC 대한심혈관중재학회
- KSCMS 심장대사증후군학회
- KSE 한국심초음파학회
- KSoLA 한국지질·동맥경화학회

	Channel 01	Channel 02	Channel 03	Channel 04	Channel 05	Channel 06	Channel 07
09:00 - 10:30	KSE 3 HCM and HFpEF, What's New	Eng KSIC 3 All You Need to Know about CAD	Eng Vascular Clonal Hematopoiesis of Indeterminate Potential (CHIP) as Emerging Risk Factor in Chronic Cardiovascular Disease	KSoLA 2 New Risk Factors & Therapeutic Strategies	Eng KSCMS Hot Debating Issue: Hope or Hype?	Cross Specialty: Critical Care Medicine & Heart Failure Management of HF in Cardiac ICU	Cardio-Oncology Beyond Cardiology and Oncology
10:40 - 12:10	KSE 4 Echocardiography, Information We Can Provide for Non-cardiologists	Imaging Myocardial Viability Imaging	KSHF 3 Debate I: Hot Issues in HF Treatment	KSoLA 3 Metabolic Risk Factors and Diet Therapy	KHRS 4 SVT & VT	Cross Specialty: Cardiac Surgery & Cardiology Optimize Treatment Outcomes of Atrial Fibrillation	KPHS 1 Coronary Artery Disease Associated with Pediatric Cardiology
12:15 - 12:55	Scientific Session [Hanmi] Strategies for Cardiovascular Disease Prevention in Hypertension and Dyslipidemia	Scientific Session [Bayer] Rivaroxaban, Protection Never Rests	Scientific Session [Daiichisankyo/Daewoong] Atrial Fibrillation and Hypertension	Scientific Session [Boehringer Ingelheim/Lilly] From Diabetes to Heart, Unleashed Potential of SGLT2 Inhibitor	Scientific Session [Amgen] The PCSK9 Inhibitor: For Whom, When and Why?	Diamond Session [Viatris] Impact of Statins on CV Outcomes: It's a Matter of Life and Death	Scientific Session [Celltrion Pharm/Dong-A ST] BP Control in Uncontrolled Hypertension
12:55 - 13:10	Break						
13:10 - 14:40	Smart Health State-of-the-Art Machine Learning Techniques in Cardiology	KSIC 4 Current Treatment - Aorta & Peripheral Artery Disease	KSHF 4 Debate II: Hot Issues in HF Treatment	KSoLA 4 Are Omics & New-tech Helpful in Management of CV Disease?	KHRS 5 CIED and Smart Monitoring	Healthcare Policy 급성심근경색증 성과향상과 지역불균형 극복을 위한 포괄적 국가관리 추진전략 및 중점과제	KPHS 2 Pulmonary Vein Stenosis
14:50 - 16:20	Cardiac Surgery Surgery for Tricuspid Regurgitation: Still a Challenge?	Eng KSIC 5 New 2020 ACC/AHA Guideline for Valvular Heart Disease: Hot Debates between Cardiologists and Cardiac Surgeons in Multidisciplinary Heart Team	*BESCO - KSC Joint Session AI and Hemodynamics	KSoLA 5 Lipid-lowering Therapy & CV Prevention: Problem & Solutions in 2020's	Eng KHRS 6 SCD	보험위원회 세션 심혈관계 분야 보험관련 현안 및 전략	KPHS 3 Quality Improvement for Pediatric Cardiology and Cardiac Surgery

*BESCO: 순환기의공학회

Highlight Program

Trials Session Landmark Trials in 2020

Apr 16 (Fri.) 16:10 - 17:40 Channel 06

16:10 - 16:25	Landmark Trials in Valvular Heart Disease 2020	박재형 / 충남의대
16:25 - 16:40	Landmark Trials in CAD	한주용 / 성균관대의대
16:40 - 16:55	Landmark Trials in Lipid and Metabolism	배장환 / 충북의대
16:55 - 17:10	Landmark Trials in Arrhythmia	윤남식 / 전남의대
17:10 - 17:25	Landmark Trials in Heart Failure	오재원 / 연세의대
17:25 - 17:40	Discussion	

Basic Research Hot Session 2 Cutting-Edge Basic Research in the World

Apr 16 (Fri.) 16:10 - 17:40 Channel 07

16:10 - 16:28	Single Cell Analysis of Failing Heart	Issei Komuro / Univ. of Tokyo, Japan
16:28 - 16:46	In Vitro Models for Lethal Arrhythmias	Jun K. Yamashita / CIRI, Kyoto Univ., Japan
16:46 - 17:04	Age-related Clonal Hematopoiesis: A New Causal Risk Factor for Cardiovascular Disease	Kenneth Walsh / Boston Univ., USA
17:04 - 17:22	Converting Scar Tissue to Heart Muscle after a Heart Attack	Masaki Ieda / Univ. of Tsukuba, Japan
17:22 - 17:40	Discussion	

평점 등록 안내

출석확인은 '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.

평점 안내

구분	4월 16일 (금)	4월 17일 (토)
대한의사협회(일반)	6점	6점
내과전공의 외부학술회의 (학술대회)	2점	

※ 평점 불인정 사례

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

대한의사협회 (일반)

- ① 교수 및 개원의, 전임의, 전공의, 기타등록자 (의사면허 소지자)에 한합니다.
- ② 평점인정시간 (부분평점: 최소 1점 ~ 최대 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

※ 2021 춘계심혈관통합학술대회에서는 분과전문의 연수강좌, Ethics Workshop (필수교육)을 개최하지 않습니다.

내과전공의 외부학술회의

시간	평점
오전 3시간	1 점
오후 3시간	1 점

※ 내과전공의 외부학술회의 (학술대회) 평점은 전공의에 한합니다.

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DAY 1

16 | Fri. 09:30 - 11:00

Eng KSE 1

Channel 01

Valvular Heart Disease, Recent Updates

Chairperson(s) Jun Kwan, Goo-Yeong Cho
Panel Iksung Cho, Darae Kim

- 09:30 - 09:50 **Aortic Stenosis, A Quest for New Staging**
Philippe Pibarot / Laval Univ., Canada
- 09:50 - 10:10 **Building Evidence for Novel Therapeutics in Aortic Stenosis**
Sahmin Lee / Ulsan Univ., Korea
- 10:10 - 10:30 **Experiences in Transcatheter Mitral Valve Repair**
Paul Sorajja / Abbott Northwestern Hosp., USA
- 10:30 - 10:50 **Understanding the Diversity of Valve Disease Using Machine Learning**
Seung-Pyo Lee / Seoul National Univ., Korea
- 10:50 - 11:00 **Discussion**

Women Heart Disease

Channel 02

Sex Difference in Cardiovascular Pharmacology

Chairperson(s) 김명아, 홍경순
Panel 박상민, 박성미, 변영섭, 윤현주

- 09:30 - 09:50 **Basics on Sex Difference in Pharmacokinetics and Pharmacodynamics**
윤성혜 / 서울의대
- 09:50 - 10:10 **Gender Disparities in Cardiovascular Medications**
김학령 / 서울의대
- 10:10 - 10:30 **Lipid Lowering Therapies: Does Sex Matter?**
한기훈 / 울산의대
- 10:30 - 10:50 **Sex Related Issues in the Use of Antiplatelets and Anticoagulants**
김진석 / 고려의대
- 10:50 - 11:00 **Discussion**

Myocardial Infarction 1

Channel 03

Controversial Issues for the Treatment of AMI

Chairperson(s) 오동주, 정명호
Panel 김원, 박경일, 배장환, 윤영진, 이상록, 한주용

- 09:30 - 09:50 **Optimal Choice and Duration of Antiplatelet Therapy in AMI**
정영훈 / 경상의대
- 09:50 - 10:10 **Timing of PCI for Nonculprit Lesion in STEMI**
최철용 / 고려의대
- 10:10 - 10:30 **Intracoronary Imaging-Guided PCI Can Improve Outcomes in AMI?**
이성윤 / 인제의대
- 10:30 - 10:50 **Lipid Lowering Therapy in AMI: From Guidelines to Implementation**
조경훈 / 전남의대
- 10:50 - 11:00 **Discussion**

KSHF 1

Channel 04

2021 Update on Specific Cardiomyopathies

Chairperson(s) 전은석, 최동주
Panel 김성해, 최의영, 한성우, 홍석근

- 09:30 - 09:45 **Cardiac Sarcoidosis**
김경희 / 세종병원
- 09:45 - 10:00 **Cardiac Amyloidosis**
윤종찬 / 가톨릭의대
- 10:00 - 10:15 **Hypertrophic Cardiomyopathy**
김미나 / 고려의대
- 10:15 - 10:30 **Peripartum Cardiomyopathy**
박성지 / 성균관의대
- 10:30 - 11:00 **Discussion**

KHRS 1

Channel 05

ECG MASTERS: Case-Based Interpretation

Chairperson(s) 노태호, 신동구, 최기준
Panel 김남호, 박희남, 오세일, 윤영근, 장성원

- 09:30 - 09:40 **Bradycardia (SSS)**
곽혜빈 / 성균관의대
- 09:40 - 09:50 **Bradycardia (AV block)**
김도영 / 한림의대
- 09:50 - 10:00 **SVT (PSVT)**
김민수 / 충남의대
- 10:00 - 10:10 **SVT (AF/AFL)**
김인수 / 연세의대
- 10:10 - 10:20 **VT (ILVT)**
김윤기 / 고려의대
- 10:20 - 10:30 **VF (or channelopathy)**
임우현 / 서울의대
- 10:30 - 10:40 **with IHD (STEMI)**
진무년 / 인제의대
- 10:40 - 10:50 **with IHD (other)**
최영 / 가톨릭의대
- 10:50 - 11:00 **Miscellaneous**
황종민 / 계명의대

Cross Specialty: Endocrinology, Nephrology and Cardiology

Channel 06

SGLT2 Inhibitor and SGLT1/2 Inhibitor

Chairperson(s) 백상홍, 유병수
Panel 김경진, 박진주, 이상언, 이찬주, 최진오

- 09:30 - 09:50 **SGLT2 and SGLT1/2 Inhibitor for Diabetes and Non-diabetes Patients—Endocrinologist's View**
최성희 / 서울의대
- 09:50 - 10:05 **CV Outcome Trials of SGLT2 and SGLT1/2 Inhibitor—Cardiologist's View**
조현재 / 서울의대
- 10:05 - 10:20 **Renal Outcome Trials of SGLT2 and SGLT1/2 Inhibitor—Nephrologist's View**
최범순 / 가톨릭의대
- 10:20 - 10:35 **SGLT2 or SGLT1/2 Inhibitor for CV and Renal Outcomes of Non-diabetic Patients?**
오재원 / 연세의대
- 10:35 - 11:00 **Discussion**

Basic Research 1

Channel 07

Recent Issue and Translational Research in COVID-19

Chairperson(s) 안영근, 한진
Panel 권기환, 권유욱, 김용숙, 민필기, 정진욱, 한승환

- 09:30 - 09:50 **COVID-19 and Cardiovascular Disease: Myocarditis and RAAS Inhibition**
김인철 / 계명대의대
- 09:50 - 10:10 **Cytokine Storm in COVID-19**
신의철 / KAIST
- 10:10 - 10:30 **Disease Modeling and Genomics in COVID-19**
주영석 / KAIST
- 10:30 - 11:00 **Discussion**

16 | Fri.

11:10 - 12:40

KSE 2

Channel 01

Looking Outside the Heart: Focus on Aortic Disease

Chairperson(s) 박승우, 김경환
Panel 박준빈, 정육진

- 11:10 - 11:28 **급성 대동맥 증후군, 어떻게 치료 전략을 수립할까**
송재관 / 울산의대
- 11:28 - 11:45 **대동맥 질환의 영상 진단, 어떤 점을 중점적으로 볼 것인가**
고성민 / 연세원주의대
- 11:45 - 12:03 **가족성 대동맥/혈관 질환, 무엇을 봐야 할까**
김덕경 / 성균관의대
- 12:03 - 12:20 **대동맥류와 대동맥박리, 어떻게 수술할 것인가**
송석원 / 연세의대
- 12:20 - 12:40 **Discussion**

*KSCP-KSC Joint Session

Channel 02

Effect of Physical Activity on Cardiovascular Disease

Chairperson(s) 최성희, 임상현

- 11:10 - 11:35 **Recommendation of Physical Activity in Hypertrophic Cardiomyopathy (HCM); Restriction Is Not Always a Gold Standard!**
김형관 / 서울의대
- 11:35 - 12:00 **Adapted Exercise-based Cardiac Rehabilitation for Patients with Stroke**
김원석 / 서울의대
- 12:00 - 12:25 **Physical Activity & Weight Management Through Mobile Healthcare**
김영인 / NOOM
- 12:25 - 12:40 **Discussion**

*KSCP : 대한심뇌혈관질환예방학회

Cardiac Pathology Channel 03

Microscopic / Ultramicroscopic Myocardium

Chairperson(s) 서정욱, 이상철
Panel 고지원, 객재건, 송미경, 윤자경, 최영

- 11:10 - 11:30 **Principles, Findings and Application of Electron Microscopy in Normal and Diseased Heart**
김정선 / 성균관대의대
- 11:30 - 11:50 **Myocardial Ultramicroscopic Changes in Patients with Arrhythmia**
차명진 / 서울의대
- 11:50 - 12:10 **Myocardial Ischemic Injury under Electron Microscope during Cardiac Surgery**
정준철 / 서울의대
- 12:10 - 12:40 **Discussion**

KSHF 2 Channel 04

Essence of Recent HF Trials

Chairperson(s) 박대균, 유병수
Panel 양동현, 이수용, 정진욱, 최진오

- 11:10 - 11:22 **GALACTIC-HF**
김경진 / 이화의대
- 11:22 - 11:28 **Critique**
최성훈 / 한림의대
- 11:28 - 11:40 **Discussion**
- 11:40 - 11:52 **SOLOIST-WHF**
조현재 / 서울의대
- 11:52 - 11:58 **Critique**
박성미 / 고려의대
- 11:58 - 12:10 **Discussion**
- 12:10 - 12:22 **AFFIRM-AHF**
김다래 / 성균관대의대
- 12:22 - 12:28 **Critique**
최정현 / 부산의대
- 12:28 - 12:40 **Discussion**

KHRS 2 Channel 05

AF

Chairperson(s) 김영훈, 오용석, 정병천
Panel 권창희, 박영아, 박환철, 이한철, 진은선

- 11:10 - 11:20 **Mechanisms and Risk Factors of AF**
박진규 / 한양대의대
- 11:20 - 11:30 **Clinical Implications of AHRE/Subclinical AF**
조영진 / 서울의대
- 11:30 - 11:40 **AF Screening: Present and Future**
이정명 / 경희의대
- 11:40 - 11:50 **Medical Rhythm Control for AF**
박형욱 / 전남의대
- 11:50 - 12:00 **Does Catheter Ablation of AF Improve Survival?**
양필성 / 차의대
- 12:00 - 12:10 **Catheter Ablation of AF: Current Strategy**
박형섭 / 계명대의대
- 12:10 - 12:20 **Update in Cryoablation of AF as an Initial Treatment**
심재민 / 고려의대
- 12:20 - 12:30 **Treatment for Patients with AF and HF**
안민수 / 연세원주의대
- 12:30 - 12:40 **Discussion**

Cross Specialty: Pulmonology & Cardiology Channel 06

Heart-Lung Interaction: How to Assess Dyspnea with Possible Heart-Lung Disease

Chairperson(s) 신경철, 김계훈
Panel 나승원, 박혜윤, 조동혁, 최홍미

- 11:10 - 11:30 **Differential Diagnosis of Pulmonary Edema vs Lung Disease: Imaging Perspective**
남주강 / 서울의대
- 11:30 - 11:50 **How to Interpret PFT in Patients with Heart Disease**
이현 / 한양대의대
- 11:50 - 12:10 **Sleep Apnea: Diagnosis and Treatment**
조재영 / 서울의대
- 12:10 - 12:30 **Cor Pulmonale: Diagnosis and Treatment**
장성아 / 성균관대의대
- 12:30 - 12:40 **Discussion**

Basic Research 2

Channel 07

Basic Concepts and Trends of Basic and Translational Cardiovascular Research

Chairperson(s) 오구택, 최동훈
Panel 기해진, 김형규, 박훈준, 이상학, 조성우, 홍순준

11:10 - 11:25	Vascular Biology 이승준 / 연세의대
11:25 - 11:40	Metabolism 오창명 / GIST
11:40 - 11:55	Stem Cell: iPSC and Disease Modeling 한정규 / 서울의대
11:55 - 12:10	Immunology 윤종찬 / 가톨릭의대
12:10 - 12:40	Discussion

16 | Fri.

12:45 - 13:25 Diamond / Scientific Session

Scientific Session [Samjin]

Channel 01

Customized Treatment for Cardiovascular Patients

Chairperson(s) 정보영, 한주용

12:45 - 13:05	Clopidogrel vs. Aspirin in Stable Patients after PCI 안성균 / 연세원주의대
13:05 - 13:25	Role of NOACs with A-Fib 정중화 / 조선의대

Scientific Session [Viatrix]

Channel 02

Evidence Based Strategies: Optimizing an ASCVD Management

Chairperson(s) 채인호, 안영근

12:45 - 13:05	Highlighting Atorvastatin's CV Protection Evidence in the Last Few Decades 윤혁준 / 계명대의대
13:05 - 13:25	Amlodipine, Continuous Movement in HTN Treatment in 31 Years 조덕규 / 연세의대

Scientific Session [Organon]

Channel 03

The Benefit of Ezetimibe/atorvastatin Combination Therapy

Chairperson(s) 홍명기

12:45 - 13:15	Is Combination Therapy Recommended for All High Risk Patients: When and Why Combination Therapy Is Needed? 조현재 / 서울의대
13:15 - 13:25	Discussion

Scientific Session [Novartis]

Channel 04

ARNI: 1st Choice for Heart Failure Patients to Be Better Life

Chairperson(s) 전은석, 최동주

12:45 - 13:05	Optimal Treatment of Heart Failure According to ACC Update Gregg C. Fonarow / UCLA, USA
13:05 - 13:25	ARNI: Maximizing Reverse Cardiac Remodeling Effect in HF 조재영 / 전남의대

Scientific Session [Boryung]

Channel 05

Current Advance of Management in Cardiovascular Disease

Chairperson(s) 신동구, 김상현

12:45 - 13:05	The Management of Hypertension with Fimasartan in Korea 신진호 / 한양대의대
13:05 - 13:25	Outcomes after Use of Low-dose NOAC in Patients with AF 이기홍 / 전남의대

Diamond Session [Amgen]

Channel 06

How to Use PCSK9 Inhibitor for Secondary Prevention After ACS**Chairperson(s)** 박헌식, 허승호

- 12:45 - 13:00 'The Earlier, The Better' Strategy with Evolocumab in ACS Within 1 Year
김민철 / 전남의대
- 13:00 - 13:15 'Higher Risk, Higher Benefit' Strategy with Evolocumab in MI Over 1 Year
홍순준 / 고려의대
- 13:15 - 13:25 Discussion

Scientific Session [Pfizer/BMS]

Channel 07

Anticoagulation in Elderly Atrial Fibrillation Patients**Chairperson(s)** 오세일, 한성욱

- 12:45 - 13:05 How to Manage "Age" Risk Factor in AF Patients: Key Findings of Eliquis from Real-world Data
Steven Deitelzweig / University of Queensland, USA
- 13:05 - 13:25 What Are the Characteristics of AF in Asian Patients?
Addressing Issues and Challenges
김태훈 / 연세의대

16 | Fri. 13:40 - 14:30**Memorial Lecture**

Channel 06

Chairperson(s) 김효수

- 13:40 - 13:45 **故 강승호 교수님 회고**
박진식 / 세종병원
- 13:45 - 14:25 **Novel Biomedical Roles of Lymphatic Vessels**
고규영 / 기초과학연구원 / KAIST
- 14:25 - 14:30 Discussion

16 | Fri. 14:30 - 16:00**Adult Congenital Heart Disease 1**

Channel 01

How to Help Rhythm Problem in ACHD**Chairperson(s)** 오용석, 배은정
Panel 박승경, 윤자경, 윤지홍, 차명진

- 14:30 - 14:45 **Current Status of Atrial Arrhythmia in ACHD**
엄재선 / 연세의대
- 14:45 - 15:00 **Role of Aging in Arrhythmogenesis in ACHD**
박준범 / 이화의대
- 15:00 - 15:15 **CRT in ACHD**
반지은 / 이화의대
- 15:15 - 15:30 **Heart Failure Related Rhythm Problem in ACHD**
허준 / 성균관의대
- 15:30 - 15:45 **Arrhythmia Surgery for Atrial Arrhythmia in ACHD**
박한기 / 연세의대
- 15:45 - 16:00 Discussion

KSIC 1

Channel 02

Complex and High-risk Indicated Procedure/Patients: Lectures for General Cardiologists**Chairperson(s)** 박헌식, 김희열
Panel 김태훈, 서준, 임홍석, 조윤경, 최철웅

- 14:30 - 14:50 **PCI for Calcified Lesions**
이재환 / 충남의대
- 14:50 - 15:10 **PCI for Bifurcation Lesions**
윤혁준 / 계명의대
- 15:10 - 15:30 **PCI for Chronic Total Occlusions**
이봉기 / 강원대의대
- 15:30 - 15:50 **PCI for Complex Patients: Heart Failure, CKD, Cardiac Arrest**
신상훈 / 이화의대
- 15:50 - 16:00 Discussion

Myocardial Infarction 2

Channel 03

All about Cardiogenic Shock Following AMI

Chairperson(s) 권현철, 안영근
Panel 서석민, 우성일, 유철웅, 이상엽, 이왕수, 이진배

- 14:30 - 14:50 **Epidemiology and Clinical Outcomes of Cardiogenic Shock Following AMI**
박진섭 / 부산의대
- 14:50 - 15:10 **PCI Strategy for AMI with Cardiogenic Shock**
김민철 / 전남의대
- 15:10 - 15:30 **VA-ECMO for AMI with Cardiogenic Shock: When and How?**
양정훈 / 성균관의대
- 15:30 - 15:50 **Management for ECMO Complications**
정인석 / 전남의대
- 15:50 - 16:00 **Discussion**

Hypertension

Channel 04

Hypertension and Atrial Fibrillation

Chairperson(s) 김영대, 편옥범
Panel 김대희, 유승기, 조은주

- 14:30 - 14:45 **Hypertension and AF: Pathophysiologic Considerations**
조영진 / 서울의대
- 14:45 - 15:00 **Blood Pressure Variability and New Onset AF**
권창희 / 건국대의대
- 15:00 - 15:15 **Hypertension and AF: Preventive and Therapeutic Implications**
진은선 / 경희의대
- 15:15 - 15:30 **Hypertension and AF: Epidemiology in Korea**
이소령 / 서울의대
- 15:30 - 15:45 **Hypertension and AF: Special Considerations in the Elderly**
최종일 / 고려의대
- 15:45 - 16:00 **Discussion**

Eng KHRS 3

Channel 05

Stroke Prevention

Chairperson(s) Boyoung Joung, Kee-Joon Choi, Gyo Seung Hwang
Panel Sung-Hwan Kim, June Namgung, Ki Hong Lee, Hong Euy Lim, Eue-Keun Choi

- 14:30 - 14:40 **Updates in Details of CHADS₂-VASc Score**
Tae-Hoon Kim / Yonsei Univ., Korea
- 14:40 - 14:50 **Modifiable Risk Factors of AF Related Stroke**
So-Ryoung Lee / Seoul National Univ., Korea
- 14:50 - 15:00 **Risk Factors Other than CHA₂DS₂-VASc Score in Patients with AF**
Ju Youn Kim / Sungkyunkwan Univ., Korea
- 15:00 - 15:10 **Mono vs. Dual, Dual vs. Triple in Patients with AF and CAD**
Lae Young Jung / Chonbuk National Univ., Korea
- 15:10 - 15:20 **Long Term Safety and Efficacy of LAAO**
Seung Yong Shin / Chung-Ang Univ., Korea
- 15:20 - 15:40 **Keynote Lecture: 2020 ESC Guidelines for Management of AF**
Gregory Y H Lip / University of Liverpool, UK
- 15:40 - 16:00 **Discussion**

Guideline Session

Channel 06

What's New in 2020 Guideline Update?

Chairperson(s) 김영훈, 김효수, 김원호
Panel 이찬주, 장성아, 최승혁, 한성욱

14:30 - 14:42	Adult Congenital Heart Disease 은영민 / 연세의대
14:42 - 14:54	Atrial Fibrillation 이영수 / 대구가톨릭의대
14:54 - 15:06	Acute Coronary Syndromes(ACS) in Patients Presenting without Persistent ST-Segment Elevation 이장훈 / 경북의대
15:06 - 15:18	Sports Cardiology and Exercise in Patients with CVD 이종영 / 성균관대의대
15:18 - 15:30	Valvular Heart Disease 정해역 / 가톨릭의대
15:30 - 15:42	Medical Care in Diabetes 권혁상 / 가톨릭의대
15:42 - 15:54	Hypertension 손일석 / 경희의대
15:54 - 16:00	Discussion

Basic Research Hot Session 1

Channel 07

Cutting-Edge Basic Research in Korea

Chairperson(s) 권영근, 조현재
Panel 양한모, 임상현, 조성우

14:30 - 14:48	Predicting the Efficiencies and Outcomes of Genome Editing Using Deep Learning 김형범 / 연세의대
14:48 - 15:06	MI Vaccine to Prevent Heart Failure 김병수 / 서울대학교
15:06 - 15:24	The Role of Myeloid Cells in the Pathogenesis of Atherosclerosis 오구택 / 이화의대
15:24 - 15:42	Endothelial Dysfunction: A Strategic Target of Ischemic and Inflammatory Diseases 권영근 / 연세대학교
15:42 - 16:00	Discussion

16 | Fri.

16:10-17:40

Adult Congenital Heart Disease 2

Channel 01

How to Assess ACHD: Imaging Based Approach

Chairperson(s) 박승우, 윤태진
Panel 김형윤, 조익성, 차슬기, 최은영

16:10 - 16:25	How to Assess Complex Congenital Heart Disease: Transthoracic Echocardiography 김여향 / 경북의대
16:25 - 16:40	Critical Moment with Transesophageal Echocardiography 이승아 / 울산의대
16:40 - 16:55	Cardiac CT Imaging – Add-on Modality in ACHD Management 고훈 / 부산의대
16:55 - 17:10	Right Ventricular Function and More – Cardiac MRI in ACHD 김영진 / 연세의대
17:10 - 17:25	Case Based Approach Using Multimodality Imaging in ACHD 박준빈 / 서울의대
17:25 - 17:40	Discussion

KSIC 2

Channel 02

증례로 배우는 수술 전 항혈전제 조절

Chairperson(s) 임도선, 신은석
Panel 권택근, 문재연, 박용휘, 이왕수, 허애영

16:10 - 16:25	척추 수술 전 항혈전제 조절 원호연 / 중앙의대
16:25 - 16:40	비뇨기과 수술 전 항혈전제 조절 김현국 / 조선의대
16:40 - 16:55	치과 치료 전 항혈전제 조절 이경훈 / 가천의대
16:55 - 17:10	내시경 시술 전 항혈전제 조절 홍성진 / 연세의대
17:10 - 17:40	Discussion

Cardiogenic Shock

Channel 03

Basic Approach for Patients with Cardiogenic Shock

Chairperson(s) 권현철, 최창휴
Panel 김현중, 안철민, 양정훈, 유철웅, 조현재

- 16:10 - 16:25 **Noninvasive and Invasive Monitoring for Critical Care in Cardiogenic Shock**
김인철 / 계명대
- 16:25 - 16:40 **Proper Use of Inotropes and Vasopressor by Hemodynamic Status & Clinical Situation**
김민석 / 울산대
- 16:40 - 16:55 **Mechanical Circulatory Support in Patient with Cardiogenic Shock: Indication & Weaning**
정재승 / 고려대
- 16:55 - 17:10 **From Cardiogenic Shock to LVAD or Heart Transplantation: Best & Worst Case Review**
조양현 / 성균관대
- 17:10 - 17:40 **Discussion**

KSoLA 1

Channel 04

Metabolic Dysfunction & Vascular Biology

Chairperson(s) 장학철, 권영근
Panel 이해영, 허경선

- 16:10 - 16:30 **Interaction of Metabolism & Immunity in Vasculature**
우창훈 / 영남대
- 16:30 - 16:50 **New Mediators for Atherosclerosis in DM**
이용호 / 연세대
- 16:50 - 17:10 **Coronary Artery Calcification: Mechanism & Clinical Implication**
홍영준 / 전남대
- 17:10 - 17:40 **Discussion**

Eng Epidemiology

Channel 05

Real World Big Data for CVD Epidemiology

Chairperson(s) Hidehiro Kaneko, Hyeon Chang Kim
Panel Rock Bum Kim, Ki Chul Sung, Il Suk Sohn

- 16:10 - 16:30 **JMDC Claims Database for CVD Research**
Hidehiro Kaneko / The University of Tokyo, Japan
- 16:30 - 16:50 **Japanese Data for Onco-Cardiology Research**
Yuichiro Yano / Yokohama City Univ., Japan
- 16:50 - 17:10 **NHI Big Data for CVD Research**
Eue-Keun Choi / Seoul National Univ., Korea
- 17:10 - 17:30 **Korean Data for Onco-Cardiology Research**
Hyeon Chang Kim / Yonsei Univ., Korea
- 17:30 - 17:40 **Discussion**

Trials Session

Channel 06

Landmark Trials in 2020

Chairperson(s) 김기식, 강덕현, 강현재
Panel 송영빈, 이승표, 최성훈, 최종일

- 16:10 - 16:25 **Landmark Trials in Valvular Heart Disease 2020**
박재형 / 충남대
- 16:25 - 16:40 **Landmark Trials in CAD**
한주용 / 성균관대
- 16:40 - 16:55 **Landmark Trials in Lipid and Metabolism**
배장환 / 충북대
- 16:55 - 17:10 **Landmark Trials in Arrhythmia**
윤남식 / 전남대
- 17:10 - 17:25 **Landmark Trials in Heart Failure**
오재원 / 연세대
- 17:25 - 17:40 **Discussion**

Eng Basic Research Hot Session 2

Channel 07

Cutting-Edge Basic Research in the World

Chairperson(s) Hyo-Soo Kim, Jin Han
Panel Yoo-Wook Kwon, Yong Sook Kim, Hun-Jun Park, Jung-Kyu Han

- 16:10 - 16:28 **Single Cell Analysis of Failing Heart**
Issei Komuro / Univ. of Tokyo, Japan
- 16:28 - 16:46 **In Vitro Models for Lethal Arrhythmias**
Jun K. Yamashita / CiRA, Kyoto Univ., Japan
- 16:46 - 17:04 **Age-related Clonal Hematopoiesis: A New Causal Risk Factor for Cardiovascular Disease**
Kenneth Walsh / Boston Univ., USA
- 17:04 - 17:22 **Converting Scar Tissue to Heart Muscle after a Heart Attack**
Masaki Ieda / Univ. of Tsukuba, Japan
- 17:22 - 17:40 **Discussion**

DAY 2

17 | Sat. 09:00 - 10:30

KSE 3

Channel 01

HCM and HFpEF, What's New

Chairperson(s) 손대원, 강덕현
Panel 김형관, 김대희

- 09:00 - 09:20 **Hypertrophic Cardiomyopathy Guideline: What's New?**
유승기 / 을지대
- 09:20 - 09:40 **How to Use Imaging Wisely in HCM Evaluation**
이상철 / 성균관대
- 09:40 - 10:00 **Heart Failure with Preserved EF, Focus on Pathophysiology**
김경희 / 세종병원
- 10:00 - 10:20 **Diastolic Dysfunction, Still No Weapons for Us?**
심지영 / 연세대
- 10:20 - 10:30 **Discussion**

Eng KSIC 3

Channel 02

All You Need to Know about CAD

Chairperson(s) Moo Hyun Kim, Bon-Kwon Koo
Panel Soo-Joong Kim, Joon-Hyung Doh, So-Yeon Choi, Young Joon Hong

- 09:00 - 09:15 **Physiologic Assessment: From Non-invasive to Invasive**
Joo Myung Lee / Sungkyunkwan Univ., Korea
- 09:15 - 09:30 **Vulnerable Plaque: Detection and Treatment**
Jung Ho Heo / Kosin Univ., Korea
- 09:30 - 09:45 **CAD without Obstruction: MINOCA & INOCA**
Hyuck Jun Yoon / Keimyung Univ., Korea
- 09:45 - 10:00 **Lesson from ISCHEMIA Trial**
Chang Wook Nam / Keimyung Univ., Korea
- 10:00 - 10:30 **Discussion**

Eng Vascular

Channel 03

Clonal Hematopoiesis of Indeterminate Potential (CHIP) as Emerging Risk Factor in Chronic Cardiovascular Disease

Chairperson(s) Jong-Won Ha, Ki Chul Sung
Panel Jin Sun Park, Chan Joo Lee, Hae-Young Lee, Jae Hyuk Choi

- 09:00 - 09:20 **What Is Clonal Hematopoiesis of Indeterminate Potential (CHIP)?**
Siddhartha Jaiswal / Stanford Univ., USA
- 09:20 - 09:40 **CHIP, A Common Risk Factor for Cardiology and Oncology**
Youngil Koh / Seoul National Univ., Korea
- 09:40 - 10:00 **CHIP and Atherosclerotic Cardiovascular Disease**
Heesun Lee / Seoul National Univ., Korea
- 10:00 - 10:20 **How Will We Use CHIP in Clinical Practice?**
Seon Gi Lee / Hallym Univ., Korea
- 10:20 - 10:30 **Discussion**

KSoLA 2

Channel 04

New Risk Factors & Therapeutic Strategies

Chairperson(s) 김효수, 박종열
Panel 김남훈, 박훈준

- 09:00 - 09:20 **Recent Studies on Non-lipid Risk Factors**
김대중 / 아주의대
- 09:20 - 09:40 **TGRL: Perspective for Risk Factor & Treatment Target**
한기훈 / 울산의대
- 09:40 - 10:00 **Update on Anti-atherosclerotic Agents**
이장훈 / 경북의대
- 10:00 - 10:30 **Discussion**

Eng KSCMS

Channel 05

Hot Debating Issue: Hope or Hype?

Chairperson(s) Hong-Seog Seo, Kwang Kon Koh
Panel Sang-Hyun Kim, Won Kim, Jang-Young Kim, Mi-Seung Shin

- 09:00 - 09:18 **Omega-3 Fatty Acids for CVD Prevention – PROS**
Sang-Ho Jo / Hallym Univ., Korea
- 09:18 - 09:36 **Omega-3 Fatty Acids for CVD Prevention – CONS**
Seung Hwan Han / Gachon Univ., Korea
- 09:36 - 09:54 **The Adiponectin Paradox: Where Do We Go?**
Youngwoo Jang / Gachon Univ., Korea
- 09:54 - 10:12 **Adiponectin, Leptin and the CardioMetabolic Syndrome**
Philipp E. Scherer / University of Texas Southwestern Medical Center, USA
- 10:12 - 10:30 **Discussion**

Cross Specialty: Critical Care Medicine & Heart Failure

Channel 06

Management of HF in Cardiac ICU

Chairperson(s) 나성원, 강석민
Panel 김민석, 양정훈, 정치량, 허진원

- 09:00 - 09:20 **Non-invasive Ventilation: CPAP and BiPAP**
김인철 / 계명의대
- 09:20 - 09:40 **Mechanical Ventilation**
조영재 / 서울의대
- 09:40 - 10:00 **Lung Ultrasound**
정경수 / 연세의대
- 10:00 - 10:20 **Postcardiotomy Management**
위진 / 가천의대
- 10:20 - 10:30 **Discussion**

Cardio-Oncology

Channel 07

Beyond Cardiology and Oncology

Chairperson(s) 손일석
Panel 김학진, 박성미, 윤종찬, 정우백

- 09:00 - 09:17 **Clinical Epidemiology for Cardio-oncologists**
조주희 / 성균관의대 삼성융합의과학원
- 09:17 - 09:34 **Psycho-oncology for Cardio-oncologists**
김종훈 / 국립암센터
- 09:34 - 09:51 **Diagnostic Radiology for Cardio-oncologists**
홍유진 / 연세의대
- 09:51 - 10:08 **Nuclear Medicine for Cardio-oncologists**
조상건 / 전남의대
- 10:08 - 10:30 **Discussion**

17 | Sat.

10:40 - 12:10

KSE 4

Channel 01

Echocardiography, Information We Can Provide for Non-cardiologists

Chairperson(s) 하종원, 김원호
Panel 박재형, 최정현

- 10:40 - 10:58 **수술전 평가에서 심초음파, 어떻게 이용하고 누구에게 처방할 것인가**
최의영 / 연세의대
- 10:58 - 11:15 **중양 환자에서 심초음파, 어떻게 도움이 되는가**
홍그루 / 연세의대
- 11:15 - 11:33 **신질환자에서 심초음파, 무엇을 더 평가할 것인가**
박성미 / 고려의대
- 11:33 - 11:50 **심장 수술 환자에서 심초음파, 어떻게 이용하고 누구에게 처방할 것인가**
김형섭 / 계명의대
- 11:50 - 12:10 **Discussion**

Imaging

Channel 02

Myocardial Viability Imaging

Chairperson(s) 송재관, 추기석
Panel 김성목, 김은경, 김형관, 팽진철

- 10:40 - 11:00 **Role of Myocardial Viability Imaging in Post-STICH Era: Interventionist Perspectives**
안정민 / 울산의대
- 11:00 - 11:20 **Viability Imaging: ECHO and Cardiologist Perspectives**
조익성 / 연세의대
- 11:20 - 11:40 **Myocardial Viability: MRI**
박철환 / 연세의대
- 11:40 - 12:00 **Myocardial Viability: PET/SPECT**
조상건 / 전남의대
- 12:00 - 12:10 **Discussion**

KSHF 3

Channel 03

Debate I: Hot Issues in HF Treatment

Chairperson(s) 채성철, 김응주
Panel 김계훈, 박진주, 신미승, 유승기, 정욱진

10:40 - 10:52	Pro: SGLT2i for HFpEF 이상연 / 울산의대
10:52 - 11:04	Con: SGLT2i for HFpEF 이주희 / 충북의대
11:04 - 11:09	Pro Rebuttal 이상연 / 울산의대
11:09 - 11:14	Con Rebuttal 이주희 / 충북의대
11:14 - 11:25	Discussion
11:25 - 11:37	Pro: ARNI as First Line Therapy for HFrEF 장세용 / 경북의대
11:37 - 11:49	Con: ARNI as First Line Therapy for HFrEF 오재원 / 연세의대
11:49 - 11:54	Pro Rebuttal 장세용 / 경북의대
11:54 - 11:59	Con Rebuttal 오재원 / 연세의대
11:59 - 12:10	Discussion

KSoLA 3

Channel 04

Metabolic Risk Factors and Diet Therapy

Chairperson(s) 김치정, 신민정
Panel 김오연, 허지혜

10:40 - 11:00	Overweight & NAFLD: Why & How Much Important? 성기철 / 성균관의대
11:00 - 11:20	Diet Intervention: Big Data & System Analysis 송윤주 / 가톨릭대
11:20 - 11:40	Dietary Cholesterol and Dyslipidemia 신상아 / 중앙대
11:40 - 12:10	Discussion

KHRS 4

Channel 05

SVT & VT

Chairperson(s) 김대혁, 김준수, 차태준
Panel 광재진, 김성수, 부기영, 이대인, 현대우

10:40 - 10:50	Atypical AVNRT 배명환 / 경북의대
10:50 - 11:00	Unusual Accessory Pathways 엄재선 / 연세의대
11:00 - 11:10	Embarrassing Atrial Tachycardia Cases 이광노 / 아주의대
11:10 - 11:20	SVT in Congenital Heart Disease 김진석 / 고려의대
11:20 - 11:30	How to Differentiate SVT vs. VT? 조민수 / 울산의대
11:30 - 11:40	Radioablation for Ablation of Ventricular Tachycardia 차명진 / 울산의대
11:40 - 11:50	How to Ablate Ventricular Tachycardia in Nonischemic Cardiomyopathy 박경민 / 성균관의대
11:50 - 12:00	How to Ablate Ventricular Tachycardia in Ischemic Cardiomyopathy 한성욱 / 계명대의대
12:00 - 12:10	Discussion

Cross Specialty: Cardiac Surgery & Cardiology

Channel 06

Optimize Treatment Outcomes of Atrial Fibrillation

Chairperson(s) 김근직, 윤영근
Panel 김호진, 이소령

10:40 - 11:00	Cessation of Anticoagulant and Antiarrhythmics after Successful Maze Operation 김준범 / 울산의대
11:00 - 11:20	Role of Intervention after Failed Maze Operation 김성환 / 가톨릭대의대
11:20 - 11:40	Anticoagulation after Bioprosthetic Mitral Valve Replacement and Maze Operation 김윤기 / 고려의대
11:40 - 12:00	Hybrid Option: Thoracoscopic Ablation and RFCA: When and How? 윤영근 / 성균관의대
12:00 - 12:10	Discussion

KPHS 1

Channel 07

Coronary Artery Disease Associated with Pediatric Cardiology

Chairperson(s) 김성호, 현명철
Panel 박지희, 장우성, 차슬기

10:40 - 10:55	Anomalous Aortic Origin of Coronary Artery and Treatment Strategy 박한기 / 연세의대
10:55 - 11:10	Management of Coronary Artery Aneurysm after Kawasaki Disease 김여향 / 경북의대
11:10 - 11:25	Percutaneous Coronary Artery Intervention for Adult CHD 박재형 / 고려의대
11:25 - 11:40	Coronary Artery Damage Associated with CHD Surgery 권혜원 / 서울의대
11:40 - 11:55	Technical Issues for Coronary Artery Transfer in TGA 양지혁 / 성균관의대
11:55 - 12:10	Discussion

17 | Sat.

12:15 - 12:55 Diamond / Scientific Session

Scientific Session [Hanmi]

Channel 01

Strategies for Cardiovascular Disease Prevention in Hypertension and Dyslipidemia

Chairperson(s) 현민수, 장기욱

12:15 - 12:35	Combination Therapy of Antihypertensive Drugs for Cardiovascular Protection 최성훈 / 한림의대
12:35 - 12:55	Why Should We Consider Strongly Rosuvastatin Ezetimibe Combination Therapy? 한정규 / 서울의대

Scientific Session [Bayer]

Channel 02

Rivaroxaban, Protection Never Rests

Chairperson(s) 온영근, 고영국

12:15 - 12:35	DPI Strategy: New Treatment Paradigm in Poly-vascular Patients 윤창환 / 서울의대
12:35 - 12:55	New Perspective in the Management of NVAf Patients with DM 김인철 / 계명대의대

Scientific Session [Daiichisankyo/Daewoong]

Channel 03

Atrial Fibrillation and Hypertension

Chairperson(s) 최기준, 김남호

12:15 - 12:35	How to Manage the Frail Elderly Patient with Atrial Fibrillation 최익근 / 서울의대
12:35 - 12:55	Update on Evidence-based Management of High Risk Hypertension Pts (RESOLVE, AMTRAC Study) 성지동 / 성균관의대

Scientific Session [Boehringer Ingelheim/Lilly]

Channel 04

From Diabetes to Heart, Unleashed Potential of SGLT2 Inhibitor

Chairperson(s) 김효수, 권현철

12:15 - 12:35	Prime Time of SGLT2i Has Begun or Not Yet to Spread? 김병국 / 연세의대
12:35 - 12:55	Heart Failure, Further Risk Management for the Patient with Type 2 Diabetes 윤종찬 / 가톨릭의대

Scientific Session [Amgen] Channel 05

The PCSK9 Inhibitor: For Whom, When and Why?

Chairperson(s) 배장호, 이상학

- 12:15 - 12:30 My Clinical Experiences of Evolocumab in Recent ACS
안종화 / 경상외대
- 12:30 - 12:45 PCSK9 Inhibitor: New Hope for FH Treatment
성지동 / 성균관외대
- 12:45 - 12:55 Discussion

Diamond Session [Viatris] Channel 06

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

Chairperson(s) 강석민, 양동현

- 12:15 - 12:35 Are You Up-To-Date on the Treatment of Dyslipidemia?: The Cardiovascular Benefit of Maximum Tolerated Intensity Statin
이장훈 / 경북외대
- 12:35 - 12:55 Looking Beyond LDL-C Lowering to Reduce Cardiovascular Events
이종영 / 성균관외대

Scientific Session [Celltrion Pharm/Dong-A ST] Channel 07

BP Control in Uncontrolled Hypertension

Chairperson(s) 유병수, 임상현

- 12:15 - 12:35 The Optimal BP Control Strategy in Hypertensive Patients with Comorbidity
정중화 / 조선외대
- 12:35 - 12:55 ARB+CLD Combination Therapy for BP Reduction in RH Patients
김대희 / 울산외대

17 | Sat. 13:10 - 14:40

Smart Health Channel 01

State-of-the-Art Machine Learning Techniques in Cardiology

Chairperson(s) 박승우, 김용진
Panel 김경희, 심재민, 윤종찬, 전기현, 최하영

- 13:10 - 13:30 Machine Learning in Coronary Intervention
김중선 / 연세외대
- 13:30 - 13:50 Artificial Intelligence in the Diagnosis of Arrhythmia
오일영 / 서울외대
- 13:50 - 14:10 Artificial Intelligence in the Treatment of Hypertension
이해영 / 서울외대
- 14:10 - 14:30 Current Status of Deep Learning in Cardiovascular Imaging
권지훈 / 울산외대
- 14:30 - 14:40 Discussion

KSIC 4 Channel 02

Current Treatment - Aorta & Peripheral Artery Disease

Chairperson(s) 채인호, 고영국
Panel 강웅철, 고윤석, 김원호, 나승운, 박종필

- 13:10 - 13:30 Optimal Timing for Intervention in Aortic Dissection
이한철 / 부산외대
- 13:30 - 13:50 What Modality Is the Best Choice in Complex Lesions for PAD?
윤창환 / 서울외대
- 13:50 - 14:10 Postintervention Antithrombotic Therapy - DAPT, Rivaroxaban
윤영진 / 연세원주외대
- 14:10 - 14:30 Current and Future BTK Stent Technology and Novel Scaffolds
김수홍 / 부산보훈병원
- 14:30 - 14:40 Discussion

KSHF 4

Channel 03

Debate II: Hot Issues in HF Treatment

Chairperson(s) 조명찬, 강석민
Panel 김인철, 박상민, 조상호, 황경국

- 13:10 - 13:22 **Pro: Mitraclip for Secondary MR**
김민석 / 울산의대
- 13:22 - 13:34 **Con: Mitraclip for Secondary MR**
심지영 / 연세의대
- 13:34 - 13:39 **Pro Rebuttal**
김민석 / 울산의대
- 13:39 - 13:44 **Con Rebuttal**
심지영 / 연세의대
- 13:44 - 13:55 **Discussion**
- 13:55 - 14:07 **Pro: Early Ultrafiltration for CRS in ADHF**
위진 / 가천의대
- 14:07 - 14:19 **Con: Early Ultrafiltration for CRS in ADHF**
강지훈 / 서울의대
- 14:19 - 14:24 **Pro Rebuttal**
위진 / 가천의대
- 14:24 - 14:29 **Con Rebuttal**
강지훈 / 서울의대
- 14:29 - 14:40 **Discussion**

KSoLA 4

Channel 04

Are Omics & New-tech Helpful in Management of CV Disease?

Chairperson(s) 박경수, 박영미
Panel 민필기, 최정균

- 13:10 - 13:30 **The Interplay of Common and Rare Variations to Blood Lipid Levels in 288,137 East Asians**
김영진 / 질병관리청
- 13:30 - 13:50 **The Omics for Non-coding RNAs and RNA-based Therapeutics in Cardiovascular Diseases**
김영국 / 전남의대
- 13:50 - 14:10 **Does Precision Medicine Work in Management of ASCVD?**
최성희 / 서울의대
- 14:10 - 14:40 **Discussion**

KHRS 5

Channel 05

CIED and Smart Monitoring

Chairperson(s) 박상원, 이명용, 이문형
Panel 김준형, 백용수, 이영수, 최윤영, 황유미

- 13:10 - 13:20 **How to Implant Pacemaker/ICD**
성정훈 / 차의대
- 13:20 - 13:30 **Lead Extraction Technology and Techniques**
박승정 / 성균관대의대
- 13:30 - 13:40 **Pocket Hematoma Prevention**
최원석 / 세종병원
- 13:40 - 13:50 **Update of Subcutaneous ICD**
유희태 / 연세의대
- 13:50 - 14:00 **Role of Implantable Loop Recorder for Syncope**
이성호 / 성균관대의대
- 14:00 - 14:10 **AI-based Arrhythmia Detection in Wearable Device**
박준범 / 이화의대
- 14:10 - 14:20 **Pros and Cons of New ECG Patches**
고점석 / 원광의대
- 14:20 - 14:30 **Mobile Web Based ECG Reading**
김유리 / 동국의대
- 14:30 - 14:40 **Discussion**

Healthcare Policy

Channel 06

급성심근경색증 성과향상과 지역불균형 극복을 위한 포괄적 국가관리 추진전략 및 중점과제

Chairperson(s) 안태훈, 김효수
Panel 김록범, 박창범, 배장환, 서준, 정중화

- 13:10 - 13:25 국가 심뇌혈관질환관리와 지역 불균형 극복
김록범/경상외대
- 13:25 - 13:40 심뇌혈관질환 예방 및 관리법의 현재와 개선방향(개정의 필요성, 구체적 시행법안 부재의 문제점 중점)
주호노 / 경희대학교
- 13:40 - 13:55 심뇌혈관질환 성과향상과 지속가능발전을 위한 관리정책(재원마련 중점)
배장환 / 충북외대
- 13:55 - 14:10 급성 심뇌혈관질환 관리를 위한 응급의료체계
박정호 / 서울의대
- 14:10 - 14:40 Discussion

KPHS 2

Channel 07

Pulmonary Vein Stenosis

Chairperson(s) 김영휘, 박영환
Panel 권정은, 이상윤, 최광호

- 13:10 - 13:30 Diverse Causes of Pulmonary Vein Stenosis
김지나 / 충남외대
- 13:30 - 13:50 Diagnosis and Medical Management of Pulmonary Vein Stenosis
정수인 / 아주외대
- 13:50 - 14:10 Transcatheter Treatment of Pulmonary Vein Stenosis
김기범 / 서울의대
- 14:10 - 14:30 Best Surgical Strategy to Prevent Re-stenosis of Pulmonary Vein Stenosis
박천수 / 울산외대
- 14:30 - 14:40 Discussion

17 | Sat.

14:50 - 16:20

Cardiac Surgery

Channel 01

Surgery for Tricuspid Regurgitation: Still a Challenge?

Chairperson(s) 박남희, 홍그루
Panel 정요천, 주민호

- 14:50 - 15:10 Preoperative Evaluation and Timing of Surgery in Patients with Tricuspid Regurgitation; Still Too Late?
박성지 / 성균관외대
- 15:10 - 15:30 How to Repair the Tricuspid Regurgitation
이삭 / 연세의대
- 15:30 - 15:50 Tricuspid Valve Replacement; A Valid Alternative?
황호영 / 서울의대
- 15:50 - 16:10 Factors Affecting Early and Long-term Results after Tricuspid Valve Surgery
정성호 / 울산외대
- 16:10 - 16:20 Discussion

Eng KSIC 5

Channel 02

New 2020 ACC/AHA Guideline for Valvular Heart Disease: Hot Debates between Cardiologists and Cardiac Surgeons in Multidisciplinary Heart Team

Chairperson(s) Tae Hoon Ahn, Hyo-Soo Kim
Panel Ju Han Kim, Jun Hong Kim, Duk-Woo Park, Hyung Gon Je, Seung-Hyuk Choi

TAVR Guideline Changes

- 14:50 - 15:02 How Do You Apply Guideline Change (Age >65: Equal Class IA for TAVR and SAVR)? – Cardiologist's View
Myeong Ki Hong / Yonsei Univ., Korea
- 15:02 - 15:14 How Do You Apply Guideline Change (Age >65: Equal Class IA for TAVR and SAVR)? – Surgeon's View
Kyung Hwan Kim / Seoul National Univ., Korea
- 15:14 - 15:34 Discussion

A Mitral Transcatheter Edge-to-Edge Repair

- 15:34 - 15:46 **Updated Mitraclip Indication: Cardiologist's Opinion**
Do-Yoon Kang / Ulsan Univ., Korea
- 15:46 - 15:58 **Updated Mitraclip Indication: Surgeon's Opinion**
Joon Bum Kim / Ulsan Univ., Korea
- 15:58 - 16:18 **Discussion**

***BESCO-KSC Joint Session**

Channel 03

AI and Hemodynamics

Chairperson(s) 심은보, 이상형
Panel 양동현, 최진호

- 14:50 - 15:10 **TAVR Valve Leaflet Thrombosis and a Role of CFD Analysis**
이관용 / 가톨릭의대
- 15:10 - 15:30 **Hemodynamic Characteristics Around a Vulnerable Stenosis**
최우락 / POSTECH
- 15:30 - 15:50 **Deep Learning Models for Predicting Lung Diseases Such as COPD and COVID-19**
최상현 / 경북대학교
- 15:50 - 16:10 **Convolutional Neural Network Method for Classification of Heart Sounds**
유동현 / POSTECH
- 16:10 - 16:20 **Discussion**

*BESCO : 순환기의공학회

KSoLA 5

Channel 04

Lipid-lowering Therapy & CV Prevention: Problem & Solutions in 2020's

Chairperson(s) 백상훈, 최동훈
Panel 김병진, 김재택

- 14:50 - 15:10 **What Is Needed for Future Update of Current Lipid Guideline?**
김상현 / 서울의대
- 15:10 - 15:30 **When Do We Need Personalized Lipid-lowering Therapy?**
정인경 / 경희의대
- 15:30 - 15:50 **Is Non-invasive Imaging Beneficial in Primary CV Prevention?**
조익성 / 연세의대
- 15:50 - 16:20 **Discussion**

Eng KHRS 6

Channel 05

SCD

Chairperson(s) Gi Byoung Nam, Dong Jin Oh, Yongkeun Cho
Panel Ki Woon Kang, Tae-Seok Kim, Mi Kyoung Song, Il-Young Oh, Jong-Il Choi

- 14:50 - 15:00 **Sudden Cardiac Death: Causes and Workup**
Seung-Young Roh / Korea Univ., Korea
- 15:00 - 15:10 **Screening for Sudden Death in Relation to Sports**
Jin-Bae Kim / Kyunghee Univ., Korea
- 15:10 - 15:20 **Role of Imaging in Sudden Cardiac Death**
Ji Hyun Lee / Seoul National Univ., Korea
- 15:20 - 15:30 **How to Manage SCD in 2020: Update of ACLS**
Dong Hyeok Kim / Ewha Univ., Korea
- 15:30 - 15:40 **What Is New Intreatment for Cardiomyopathy?**
Yae Min Park / Gachon Univ., Korea
- 15:40 - 15:50 **Guideline Update in Early Repolarization Syndrome**
Namsik Yoon / Chonnam National Univ., Korea
- 15:50 - 16:10 **Keynote Lecture: Sudden Cardiac Death and Inherited Arrhythmia**
Arthur A M Wilde / Amsterdam University Medical Center, Netherlands
- 16:10 - 16:30 **Discussion**

보험위원회 세션

Channel 06

심혈관계 분야 보험관련 현안 및 전략

Chairperson(s) 성창현, 채인호
Panel 고영국, 김원장, 박찬석, 박태호, 배장환, 최성훈

- 14:50 - 15:05 **심초음파 급여 어떻게 진행할까? 학회의 의견**
심지영 / 연세의대
- 15:05 - 15:20 **심초음파 급여 어떻게 진행할까? 지난경험들**
백영기 / 대한의사협회
- 15:20 - 15:35 **Discussion**
- 15:35 - 15:50 **TAVI 급여 어떻게 진행할까? 학회의 의견**
서준 / 순천향의대
- 15:50 - 16:05 **TAVI 급여 어떻게 진행할까? 진행방향**
김선우 / 대한의사협회
- 16:05 - 16:20 **Discussion**

KPHS 3

Channel 07

Quality Improvement for Pediatric Cardiology and Cardiac Surgery

Chairperson(s) 김용한, 이재영
Panel 권혜원, 신유림, 이정하

- 14:50 - 15:05 **Prevention of Infective Endocarditis and Post-op Infection**
방지석 / 세종병원
- 15:05 - 15:20 **Tips for ICU Care after Open Heart Surgery**
권보상 / 울산의대
- 15:20 - 15:35 **Reduction of Learning Curve for Open Heart Surgery**
이창하 / 세종병원
- 15:35 - 15:50 **Korean Pediatric and Congenital Heart Surgery Database: A Tool for Quality Improvement in Congenital Heart Surgery**
이철 / 가톨릭의대
- 15:50 - 16:05 **Effective Utility of Medical Insurance System in Korea**
하기수 / 고려의대
- 16:05 - 16:20 **Discussion**

리포젯 정

10/10 mg
10/20 mg
10/40 mg

Ezetimibe + Atorvastatin

에제티미브+아토르바스타틴 조합의
더 강력해진 LDL-C 강하 효과^{1*}

*에제티미브와 아토르바스타틴 병용요법은
LDL-C 수치를 아토르바스타틴 단독요법 대비 유의하게 더 개선시켰습니다.¹



Reference 1. [Data on file] 리포젯 3상 임상시험 결과보고서 (2020. 9. 23). 허가용 제출자료.

인국약품(주)

No.1 Statin + Fenofibrate Combination Therapy

유영제약

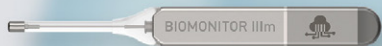
프라바페닉스는
‘당근약’입니다.

‘당’ 뇨발생을 부터
‘근’ 육관련 부작용과
‘약’ 물상호작용의 위험까지 적은
프라바페닉스 입니다.



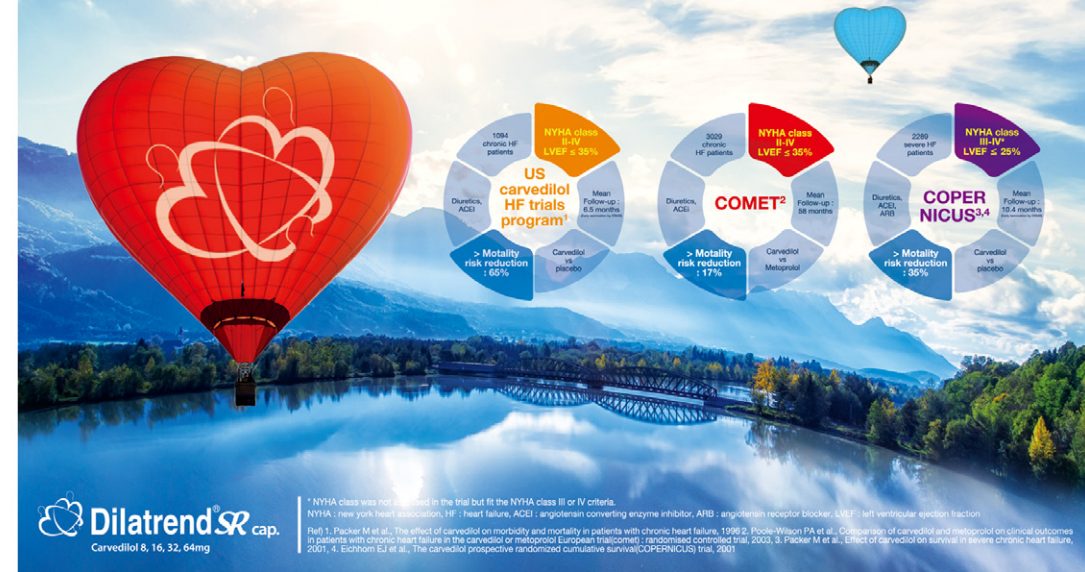
프라바페닉스
(Pravastatin 40mg + Fenofibrate 160mg)

BIOMONITOR III_m
Maximized Precision.
Minimized Workload.



BIOTRONIK
excellence for life

딜라트렌은 경증부터 중증까지 모든 단계의 심부전 환자에서
사망률 개선 효과를 입증한 베타차단제 입니다.



Multi-Layer Capsule Coating Technology



3-layer coating on surface of Omacor® capsule

- ✓ No interaction between the two APIs
- ✓ Enhanced temperature-stability
- ✓ Similar dimension to Omacor®

	Omacor®	Rosumega®
Length	9.70+/-0.03 mm	10.19+/-0.01 mm
Width	23.85+/-0.1 mm	23.74+/-0.09 mm

PRESCRIPTION INFORMATION



【제품명】 로수메가 연질캡슐 **【분류번호】** 218(동맥경화용제) **【주성분】** 1캡슐 중 오메가-3-산에틸에스테르 90 1000mg (에이코사펜타엔산(EPA)에틸에스테르로서 460.0mg, 도코사헥사엔산(DHA)에틸에스테르로서 380mg) (항산화제로서 알파토코페롤 4.0mg) 로수바스타틴칼슘 5.20mg(로수바스타틴으로서 5mg) **【성상】** 흰색으로 필름 코팅된 미황색의 유성물질이 충전된 장방형의 연질캡슐 **【효능·효과】** 관상동맥질환(CHD) 고위험이 있는 성인 환자에서 로수바스타틴 단일치료요법 시 LDL-콜레스테롤 수치는 적절히 조절되지만 트리글리세라이드 수치가 적절히 조절되지 않는 복합형(III) 이상지질혈증의 치료 **【용량·용법】** 이 약을 투여전 및 투여중인 환자는 표준 콜레스테롤 저하식을 하여야 하고 이를 치료기간 동안 지속하여야 합니다. 이 약은 성인에 한하여 투여하며, 위장장애를 피하기 위하여 식사와 함께 1일 1회 2~4캡슐(캡슐 당 오메가-3-산에틸에스테르 1,000mg/로수바스타틴 5mg)을 투여합니다. 오메가-3-산에틸에스테르와 로수바스타틴을 병용으로 복용하고 있는 환자인 경우, 복용의 편리함을 위하여 이 약(개개의 주성분 함량이 동일한 복합제)으로 전환할 수 있습니다. **【유효기간】** 제조일로부터 36개월 **【저장 방법】** 기밀용기, 실온(1~30°C) **【포장 단위】** 56캡슐



한번으로 충분한 **11일** 연속 심전도 검사



간헐적 심장 이벤트
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ClariCT.AI

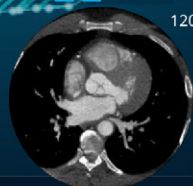
WORLD'S 1st Ultra-Low-Dose AI CT Image Denoising Solution

심장 CT 검사에서

- ✓ 의료진에게 혁신적인 고품질 영상을 제공
- ✓ CT 튜브 수명 연장 및 유지보수비 절감 효과
- ✓ 선량을 대폭 낮춰서 촬영해도 뛰어난 잡음 제거

보유 중인 어떤 CT 장비와도 DICOM 표준규격으로 호환

원본 CT



Noise : 29.5 HU

ClariCT.AI



55% Denoised

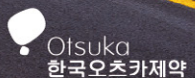
Noise : 13.2 HU

탁월한 잡음 제거 성능으로 선명한 고품질 영상 제공

소중한 환자의 건강한 혈관을 위해
프레탈이 걸어온 길,
프레탈이 걸어갈 길.

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PLT-19-004 Date of approval : 15 May 2019

효과적인 이상지질혈증 치료 복합제¹

아제리브

Atorvastatin / Ezetimibe

1. Abdelghani M, Allali A, Kaur J, et al. Impact of prosthesis-iteration evolution and sizing practice on the incidence of prosthesis-patient mismatch after transcatheter aortic valve replacement. Catheter Cardiovasc Interv. April 1, 2019;93(5):971-979.

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2021 춘계심혈관 통합학술대회

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2021 Annual Spring Scientific Conference of the KSC with Affiliated Cardiac Societies

발행 | 2021년 04월 16일 발행

주최 | 대한심장학회 The Korean Society of Cardiology (KSC)
대한부정맥학회 Korean Heart Rhythm Society (KHRS)
대한소아심장학회 The Korean Pediatric Heart Society (KPHS)
대한심부전학회 Korean Society of Heart Failure (KSHF)
대한심혈관중재학회 Korean Society of Interventional Cardiology (KSIC)
심장대사증후군학회 Korean Society of Cardiometabolic Syndrome (KSCMS)
한국심초음파학회 Korean Society of Echocardiography (KSE)
한국지질·동맥경화학회 The Korean Society of Lipid and Atherosclerosis (KSOLA)

주관 | 대한심장학회 & 심장학연구재단

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8.8mmHg
Low, single-digital gradients¹

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1. Abdelghani M, Allali A, Kaur J, et al. Impact of prosthesis-iteration evolution and sizing practice on the incidence of prosthesis-patient mismatch after transcatheter aortic valve replacement. Catheter Cardiovasc Interv. April 1, 2019;93(5):971-979.