

## Day 2 (June, 05)

■ 08:30-10:00

## LAA Occluder and Others

ROOM 1 | ENG

Chair: Yong Seog Oh (College of Medicine, The Catholic University of Korea, Republic of Korea)  
June Namgung (Inje University College of Medicine, Republic of Korea)

Speaker:	LAA: Anatomy, Image and Clinical Significance	Jung Myung Lee (School of Medicine, Kyung Hee University, Republic of Korea)
	LAO with Minimalist Approach: Integrated Procedural Imaging Strategy with 3 DP and ICE	Seung Yong Shin (Chung-Ang University College of Medicine, Republic of Korea)
	Ablation of Atypical Atrial Flutter	Cheng-Hung Li (Taichung Veterans General Hospital, Taiwan)
	Treatment for Inappropriate Sinus Tachycardia	Saruul Tseveende (Third State Hospital Mongolia, Mongolia)
	Do We Need LAO in the Era of NOAC?: Comparison between LAO and NOAC	Hee Tae Yu (Yonsei University College of Medicine, Republic of Korea)

*Discussion*

## CIED 4: New Technology

ROOM 2 | ENG

Chair: Moon-Hyoung Lee (Yonsei University College of Medicine, Republic of Korea)  
Gyo-Seung Hwang (Ajou University School of Medicine, Republic of Korea)

Speaker:	Leadless Pacemakers for Atrial Synchronous or Ventricular Pacing	Chu-Pak Lau (The University of Hong Kong, Hong Kong)
	Update on Subcutaneous ICD	Hung-Fat Tse (The University of Hong Kong, Hong Kong)
	His Bundle Pacing	Joseph YS Chan (Prince of Wales Hospital, Chinese University of Hong Kong, Hong Kong)
	Interventional Approaches to Cardiac Resynchronization	Sung Woo Lee (MedStar Heart and Vascular Institute, United States)
	Improving ICD/CRT Patient Outcomes through New Technology - Device-Detected Sleep-Disordered Breathing and Arrhythmic Events, etc.	Hye Bin Gwag (School of Medicine, Sungkyunkwan University, Republic of Korea)

*Discussion*

## Cross Specialty 2: Current Update of Surgical Treatments for Arrhythmias and LAA

ROOM 3 | KOR

Chair: Young Keun On (School of Medicine, Sungkyunkwan University, Republic of Korea)  
Doosang Kim (Veterans Health Service Medical Center, Republic of Korea)

Speaker:	Amiodarone after MAZE Operation for AF: Is it Essential?	Hyung Gon Je (Pusan National University School of Medicine, Republic of Korea)
	MultiCenter Registry Results of Concomitant Cox Maze with Mitral Valve Surgery	Seung Hyun Lee (Yonsei University College of Medicine, Republic of Korea)
	Updates in Totally Thoracoscopic Ablation: Korean Experiences	Dong Seop Jeong (School of Medicine, Sungkyunkwan University, Republic of Korea)
	Concomitant Surgical Ablation for AF in Patients with Significant Atrial Dilation	Jae Suk Yoo (Bucheon Sejong Hospital, Republic of Korea)

*Discussion*

## CIED 5: CIED Infection and Others

ROOM 4 | ENG

Chair: Sang-Jin Han (College of Medicine, Hallym University, Republic of Korea)  
Jin-Seok Kim (Korea University College of Medicine, Republic of Korea)

Speaker:	CIED Infection Incidence and Prevention	Bruce Wilkoff (Cleveland Clinic, United States)
	Transvenous Lead Extraction and Improving Outcomes	Bruce Wilkoff (Cleveland Clinic, United States)
	How to Reduce Inappropriate Shock?	Boyoung Joung (Yonsei University College of Medicine, Republic of Korea)
	Anesthesia, Sedation, and Pain Relief for Cardioversion and Electrophysiologic Procedures	Dong-Hyeok Kim (Ewha Womans University School of Medicine, Republic of Korea)
	How to Manage Patients after Extraction of Infected CIED Systems - Cardiac Contractile Modulation	Seung-Jung Park (School of Medicine, Sungkyunkwan University, Republic of Korea)

*Discussion*

## EGM Tracing 1: Atrial Tachycardia; De Novo &amp; Post-Procedure

ROOM 5 | ENG

Chair: Seongwook Han (Keimyung University School of Medicine, Republic of Korea)  
Chun Hwang (Revere Health, United States)

Panel:	Case 1. Focal AT	Woohyun Lim (SMG-SNU Boramae Medical Center, Republic of Korea)
	Case 2. Atrial Tachycardia - De Novo Case	Ju Youn Kim (School of Medicine, Sungkyunkwan University, Republic of Korea)
	Case 3. Induced AT after PVI+CTI	Jongmin Hwang (Keimyung University School of Medicine, Republic of Korea)
	Case 4~5	Chun Hwang (Revere Health, United States)

*Discussion*

**Allied Professional 1: Clinical Electrophysiology** ROOM 6 | KOR

Chair: Chunja Yoo (Chonbuk National University Hospital, Republic of Korea)  
Chang Hee Lee (Samsung Medical Center, Republic of Korea)

Speaker:	EP Recording System Setting for Best EGM Signals	Hyeon Jun Kim (Ewha Womans University Mokdong Hospital, Republic of Korea)
	Clinical Utility of Unipolar and Bipolar Mapping	Hyunwoo Shin (Korea University Anam Hospital, Republic of Korea)
	Tip and Tricks for Interpretation of Retrograde Conduction Pathway	Won Young Jung (Samsung Medical Center, Republic of Korea)
	Basic Principle of Entrainment Mapping	Jeong Wook Park (The Catholic University of Korea, Seoul St. Mary's Hospital, Republic of Korea)
	<i>Discussion</i>	

## ■ 08:30-09:15

**Arrhythmia Review Course 1: Basic Interpretation of Arrhythmia** ROOM 7 | KOR

Chair: Yongkeun Cho (Kyungpook National University School of Medicine, Republic of Korea)

Speaker:		Sungil Im (Kosin University College of Medicine, Republic of Korea)
	Case	Min Kim (Chungbuk National University College of Medicine, Republic of Korea)
		Do Young Kim (College of Medicine, Hallym University, Republic of Korea)
	<i>Discussion</i>	

## ■ 09:15-10:00

**Arrhythmia Review Course 2: Basic Bradycardia and Pacemaker** ROOM 7 | KOR

Chair: Nam-Ho Kim (Wonkwang University School of Medicine, Republic of Korea)

Speaker:		Dong Geum Shin (College of Medicine, Hallym University, Republic of Korea)
	Case	Young-Ah Park (Inje University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

## ■ 08:30-09:30

**Industry Session (Medtronic Korea Ltd.):  
Medtronic's Innovative Feature & Method (Pathway) to Improve Patients' Outcome** ROOM 8 | ENG

Speaker:	iAPT Introduction by Medtronic Scientist	Troy Jackson (Medtronic, United States)
	Managing Cryptogenic Stroke Patients with LINQ I EP's Perspective	Ki Yung Boo (Jeju National University School of Medicine, Republic of Korea)
	Managing Cryptogenic Stroke Patients with LINQ I Neurologist's Perspective	Joong-Goo Kim (Jeju National University School of Medicine, Republic of Korea)

## ■ 09:30-10:00

**Industry Session (Johnson & Johnson Medical Korea):  
Systematic Approach to Persistent Atrial Fibrillation** ROOM 8 | ENG

Speaker:	Systematic Approach to Persistent Atrial Fibrillation	Matthew Hyman (Medicine at the Hospital of the University of Pennsylvania, United States)
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## ■ 10:15-11:45

**Atrial Fibrillation 5: Catheter Ablation for Atrial Fibrillation** ROOM 1 | ENG

Chair: Daehyeok Kim (Inha University School of Medicine, Republic of Korea)  
Jung Hoon Sung (CHA University, Republic of Korea)

Speaker:	How Do I Approach Re-Do AF Ablation?	Hui-Nam Pak (Yonsei University College of Medicine, Republic of Korea)
	New Technology in AF Ablation: Pulsed Field Ablation	Eue-Keun Choi (Seoul National University College of Medicine, Republic of Korea)
	First-Line Therapy for AF: Cryoballoon or RFCA?	Young Keun On (School of Medicine, Sungkyunkwan University, Republic of Korea)
	Additional Ablation Beyond PV Isolation in Patients with Persistent AF	Hyoung-Seob Park (Keimyung University School of Medicine, Republic of Korea)
	My Tip for Catheter Ablation of AF	Chun Hwang (Revere Health, United States)
	<i>Discussion</i>	

**SPAF 3: Screening and Monitoring for Subclinical AF** ROOM 2 | ENG

Chair:	Choong Hwan Kwak (Gyeongsang National University College of Medicine, Republic of Korea) Nam-Ho Kim (Wonkwang University School of Medicine, Republic of Korea)	
Speaker:	AF Screening in Asia-Pacific Region: The Approach of the APHS Practice Guidelines	Ngai-Yin Chan (Princess Margaret Hospital, Hong Kong)
	Association between Subclinical AF and Heart Failure	Mitsuharu Kawamura (Makita General Hospital, Japan)
	Cryptogenic Stroke Evaluation - Wearable Device or Loop Recorder	Yung-Lung Chen (Kaohsiung Chang Gung Memorial Hospital, Taiwan)
	Monitoring after AF Ablation - Optimizing Outcomes and Efficiency	Yun Gi Kim (Korea University College of Medicine, Republic of Korea)
	When and How to Monitor for Subclinical AF	Tae-Hoon Kim (Yonsei University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Basic 3: Deep Dive in Basic Science for AF** ROOM 3 | ENG

Chair:	Tae-Joon Cha (Kosin University College of Medicine, Republic of Korea) Namsik Yoon (Chonnam National University Medical School, Republic of Korea)	
Speaker:	Role of SK Current in Metabolic Syndrome Related Atrial Myopathy	Wei-Chung Tsai (Kaohsiung Medical University, Taiwan)
	Insulin Resistance and Atrial Fibrillation	Yung-Hsin Yeh (Chang-Gung Memorial Hospital, Taiwan)
	Role of Autonomic Nervous System in Pathophysiology of AF	Seil Oh (Seoul National University College of Medicine, Republic of Korea)
	Proarrhythmic Atrial Calcium Signaling in Failed Heart	Sun-Hee Woo (Chungnam National University College of Pharmacy, Republic of Korea)
	Neural Control of Arrhythmia	Hyung Wook Park (Chonnam National University Medical School, Republic of Korea)
	<i>Discussion</i>	

**Pediatric: Approach to Complex Arrhythmias in Ped & CHD** ROOM 4 | ENG

Chair:	JaeKon Ko (University of Ulsan College of Medicine, Republic of Korea) Myungchul Hyun (Kyungpook National University School of Medicine, Republic of Korea)	
Speaker:	Current Topics of Brugada Syndrome in Children	Naokata Sumitomo (Saitama Medical University International Medical Center, Japan)
	Twin AV Nodes in Heterotaxy Syndrome: Right, Left and Indeterminate Isomerism	Mei-Hwan Wu (National Taiwan University Children's Hospital, Taiwan)
	How to Manage a Neonate with Symptomatic Long QT Syndrome	June Huh (School of Medicine, Sungkyunkwan University, Republic of Korea)
	Role of Genetic Testing in Primary Electrical Disease	Mi Kyoung Song (Seoul National University College of Medicine, Republic of Korea)
	NOAC in Adult Congenital Heart Disease	Jieun Ban (Ewha Womans University School of Medicine, Republic of Korea)
	<i>Discussion</i>	

**EGM Tracing 2: Interesting ECG Tracing** ROOM 5 | ENG

Chair:	Sung-Won Jang (College of Medicine, The Catholic University of Korea, Republic of Korea) Young Soo Lee (Daegu Catholic University College of Medicine, Republic of Korea) Akihiko Nogami (University of Tsukuba, Japan)	
Speaker:	Case 1-4	Akihiko Nogami (University of Tsukuba, Japan)
	Case 5-7	Sung-Won Jang (College of Medicine, The Catholic University of Korea, Republic of Korea)
	<i>Discussion</i>	

**Allied Professional 2: Cardiovascular Implantable Electronic Devices** ROOM 6 | ENG

Chair:	Hyun Soo Lee (Korea University Anam Hospital, Republic of Korea) Mi Sook Cha (Gachon University Gill Medical Center, Republic of Korea)	
Speaker:	All About the Leadless Pacemaker	Hye Ree Kim (Samsung Medical Center, Republic of Korea)
	Tips and Tricks in Extracting a Difficult Lead and Complication Prevention Strategies	Jae-Hyuk Lee (Severance Hospital, Republic of Korea)
	Understanding of Pacemaker Timing Cycles	Hannah Kim (Asan Medical Center, Republic of Korea)
	Single Center Experience in Lead Extraction in Thailand	Natcha Soontornmanokati (Mahidol University, Thailand)
	Cases Troubleshooting for CRM	Nayun Kang (Dankook University Hospital, Republic of Korea)
	<i>Discussion</i>	

## ■ 10:15-11:00

## Arrhythmia Review Course 3: Narrow QRS Tachycardia

ROOM 7 | KOR

Chair: Gyo-Seung Hwang (Ajou University School of Medicine, Republic of Korea)

Speaker: In-Soo Kim (Yonsei University College of Medicine, Republic of Korea)

Case: Won-Seok Choe (Bucheon Sejong Hospital, Republic of Korea)

In Geol Song (Baekje General Hospital, Republic of Korea)

*Discussion*

## ■ 11:00-11:45

## Arrhythmia Review Course 4: Wide QRS Tachycardia

ROOM 7 | KOR

Chair: Myung Yong Lee (Dankook University College of Medicine, Republic of Korea)

Speaker: Euijae Lee (Bucheon Sejong Hospital, Republic of Korea)

Case: Young Jun Park (Yonsei University College of Medicine, Republic of Korea)

Ungjeong Do (Dongguk University School of Medicine, Republic of Korea)

*Discussion*

## ■ 10:15-11:15

## Industry Session (Pfizer Korea &amp; BMS Korea):

## Practical considerations for anticoagulation in elderly NVAF patients with Eliquis

ROOM 8 | ENG

Chair: June Soo Kim (School of Medicine, Sungkyunkwan University, Republic of Korea)

Speaker: The Risks of Switching to Another OAC and Discontinuation of DOACs Amol Dhamane (Bristol-Myers Squibb, India)

Treatment &amp; Guideline for Asian Patients Min Soo Cho (University of Ulsan College of Medicine, Republic of Korea)

Adherence Issue and Optimal Dosing Jae-Sun Uhm (Yonsei University College of Medicine, Republic of Korea)

*Discussion*

## ■ 11:15-11:45

## Industry Session (Novartis): ARNI: The Essential Standard of Care for Heart Failure

ROOM 8 | KOR

Chair: Kee-Joon Choi (University of Ulsan College of Medicine, Republic of Korea)

Sang Weon Park (Bucheon Sejong Hospital, Republic of Korea)

Speaker: How to Reduce Sudden Cardiac Death of My Heart Failure Patient Seung Yong Shin (Chung-Ang University College of Medicine, Republic of Korea)

The Opportunity to Optimize Treatment in ADHF Patients Seung-Young Roh (Korea University College of Medicine, Republic of Korea)

## ■ 12:00-13:00

## Scientific Session (DaiichiSankyo-Daewoong):

## Antithrombotic Management with Atrial Fibrillation

ROOM 1 | KOR

Chair: Myung Yong Lee (Dankook University College of Medicine, Republic of Korea)

Seongwook Han (Keimyung University School of Medicine, Republic of Korea)

Speaker: Anticoagulation Guide Update: What's New 2021 EHRA NOACs Practical Guide? Kihong Lee (Chonnam National University Medical School, Republic of Korea)

Anticoagulation Strategy in Special Population: Fragile Patients, Renal Failure, and Post-Bleeding So-Ryoung Lee (Seoul National University College of Medicine, Republic of Korea)

*Discussion*

## Oral 7 (Other)

ROOM 5 | ENG

Chair: Tae-Hoon Kim (Yonsei University College of Medicine, Republic of Korea)

Presenter: Artificial Intelligence Based Watch-Type Electrocardiography Monitoring Device is Superior Than Holter Monitoring in Detecting Cardiac Arrhythmias Yun Gi Kim (Korea University Anam Hospital, Republic of Korea)

Association between Physical Activity and the Risk of Sudden Cardiac Death in Older Patients Moon Hyun Kim (Yonsei University College of Medicine, Republic of Korea)

Obstructive Sleep Apnea (OSA) Detection System Based on Fast Fourier Transform (FFT) Algorithm on Electrocardiogram Rifaldy Fajar (Yogyakarta State University, Indonesia)

Acupuncture Decreases Risk of Stroke among Patients with Atrial Fibrillation - Novel Link between Traditional and Modern Science Wei-Syun Hu (China Medical University Hospital, Taiwan)

Atrial Fibrillation in Patients with Congenital Heart Disease: Therapeutic Implications and Strategic Mapping Wei-Syun Hu (China Medical University Hospital, Taiwan)

*Discussion*

**Oral 8 (SCD & Other) ROOM 6 | ENG**

Chair:	Yae Min Park (Gachon University School of Medicine, Republic of Korea)	
Presenter:	Electrocardiographic Manifestations in Patients with COVID-19: Daegu in South Korea	Han Joon Bae (Daegu Catholic University Medical Center, Republic of Korea)
	Quality Assessment of Timeliness in the Delivery of Electrocardiography Service in the Critical Areas of a Tertiary Hospital Using Time and Motion Analysis: A Systems Analysis	Aiza-Meriam Tahil (University of The Philippines - Philippine General Hospital, Philippines)
	Impact of de Novo Tachyarrhythmias in Patients with Prior Acute Coronary Syndrome Patients	Youmi Hwang (The Catholic University of Korea, St. Vincent's Hospital, Republic of Korea)
	The 10-Year Trend of Out-of-Hospital Cardiac Arrests: A Korean Nationwide Population-Based Study	Seung-Young Roh (Korea University Guro Hospital, Republic of Korea)
	Early Antiarrhythmic Efficacy of Noninvasive Cardiac Radioablation for Ventricular Tachycardia	Myung-Jin Cha (ASAN Medical Center, Republic of Korea)
	<i>Discussion</i>	

**Oral 9 (CIED) ROOM 7 | ENG**

Chair:	Seung-Jung Park (School of Medicine, Sungkyunkwan University, Republic of Korea)	
Presenter:	Artificial Intelligence Predicts Clinically Relevant Atrial High-Rate Episodes in Patients with Cardiac Implantable Electronic Devices	Min Kim (Chungbuk National University College of Medicine, Republic of Korea)
	Long-Term Evaluation of Sensing Variability of a Floating Atrial Dipole in a Single-Lead Defibrillator: The Mechanistic Basis of Long-Term Stability of Amplified Atrial Electrogram	Hye Bin Gwag (Samsung Changwon Hospital, Republic of Korea)
	Survival among Ischemic and Non-Ischemic Heart Failure Patients with Primary Implantable Cardioverter Defibrillator Therapy in Korea: A Nationwide Cohort Study	Pil-Sung Yang (CHA University, Republic of Korea)
	Risk Factor, Prognosis of Pacemaker Associated Heart Failure: PS-Matched Cohort Study	Young Jun Park (Yonsei University Wonju College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**■ 13:15-14:45****Ventricular Tachycardia 4: VT in Genetic Disease ROOM 1 | ENG**

Chair:	Hui-Nam Pak (Yonsei University College of Medicine, Republic of Korea) Jun Kim (University of Ulsan College of Medicine, Republic of Korea)	
Speaker:	Tips for Successful Ablation of Brugada Syndrome	Tachapong Ngarmukos (Ramathibodi Hospital of Mahidol University, Thailand)
	An Update on the Diagnosis and Management of Catecholaminergic Polymorphic Ventricular Tachycardia	Seiko Ohno (National Cerebral and Cardiovascular Center, Japan)
	Update on Long QT Syndrome	Yongkeun Cho (Kyungpook National University School of Medicine, Republic of Korea)
	Useful Tips for Successful Ablation of ARVC	Hyung Wook Park (Chonnam National University Medical School, Republic of Korea)
	Challenging Cases of J Wave Syndrome	Jaemin Shim (Korea University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Cross Specialty 3: Joint Symposium with Neurology ROOM 2 | KOR**

Chair:	Byung-Chul Lee (College of Medicine, Hallym University, Republic of Korea) Seil Oh (Seoul National University College of Medicine, Republic of Korea)	
Speaker:	Management of ESUS: From Subclinical Atrial Fibrillation Detection to Secondary Prevention - Neurologist Perspectives	Jeong-Min Kim (Seoul National University College of Medicine, Republic of Korea)
	Update of Clinical Trials and Future Direction for Left Atrial Appendage Occlusion in Neurologist Perspective	Bum Joon Kim (University of Ulsan College of Medicine, Republic of Korea)
	Minimalist Approach to Percutaneous Left Atrial Appendage Occlusion	Seung Yong Shin (Chung-Ang University College of Medicine, Republic of Korea)
	The Role of Cardiologists in Stroke Prevention and Treatment	So-Ryoung Lee (Seoul National University College of Medicine, Republic of Korea)
	Management of ESUS: From Subclinical Atrial Fibrillation Detection to Secondary Prevention - Cardiologist Perspectives	Yae Min Park (Gachon University School of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Atrial Fibrillation 6: Outcomes after AF Ablation ROOM 3 | ENG**

Chair:	Gyo-Seung Hwang (Ajou University School of Medicine, Republic of Korea) Jin-Bae Kim (School of Medicine, Kyung Hee University, Republic of Korea)	
Speaker:	Reverse Remodeling of AF Substrate	Jonathan Kalman (Royal Melbourne Hospital and University of Melbourne, Australia)
	Epicardial Fat and Atrial Fibrillation	Jonathan Kalman (Royal Melbourne Hospital and University of Melbourne, Australia)
	Impact of Catheter Ablation and Early Rhythm Control Therapy on Cognitive Decline and Dementia	Boyoung Joung (Yonsei University College of Medicine, Republic of Korea)
	AF Detection: Implantable Monitors vs Wearables vs Pulse Checks	Chang Hee Kwon (Konkuk University Professional Graduate School of Medicine, Republic of Korea)
	Atrial Fibrillation in HFpEF vs HFrEF	Minsoo Ahn (Yonsei University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Noninvasive 3: Involving Technology for Arrhythmia Detection** ROOM 4 | KOR

Chair:	Eun-Jung Bae (Seoul National University College of Medicine, Republic of Korea) Sang-Jin Han (College of Medicine, Hallym University, Republic of Korea)	
Speaker:	The Use of Wearable Devices for Arrhythmia Detection in General Practice	Junbeom Park (Ewha Womans University School of Medicine, Republic of Korea)
	Prediction of Arrhythmic Risk Using Exercise-/Holter-Based ECG Data	Young Soo Lee (Daegu Catholic University College of Medicine, Republic of Korea)
	How to Acquire an Appropriate Signal with a Single-Lead ECG?	Il-Young Oh (Seoul National University College of Medicine, Republic of Korea)
	New Technology for Predicting CV Events	Kyoung-Min Park (School of Medicine, Sungkyunkwan University, Republic of Korea)
	How to Apply Mobile Application and Remote Medicine in Korea?	Yoori Kim (Dongguk University School of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Joint Symposium with Overseas Society 1** ROOM 5 | ENG

Chair:	Sung-Won Jang (College of Medicine, The Catholic University of Korea, Republic of Korea)	
Presenter:	Incessant Ventricular Fibrillation after VDD Pacemaker Implantation	Sung Soo Kim (Chosun University College of Medicine, Republic of Korea)
	Ablation of Ventricular Arrhythmias Originated from Cardiac Crux Region	Pichmanil Khmao (Khmer Soviet Friendship Hospital, Cambodia)
	Brugada Syndrome Unmasked by Thyroid Storm	Roxanne Yen Bongcawil (Philippine General Hospital, Philippines)
	The First Manifestation of Incessant Tachycardia in Elderly: A Rare Form of Supra Ventricular Tachycardia	Mohammad Iqbal (Universitas Padjadjaran, Indonesia)
	Antifibrillatory Effects of Pulmonary Vein Isolation and Antiarrhythmic Drugs on Atrial Fibrillation: A Computational Modeling Study	Ze Jin (Yonsei University Health System, China)
	<i>Discussion</i>	

**개원의 및 전공의를 위한 부정맥 치료법 1** ROOM 6 | KOR

Chair:	June Soo Kim (School of Medicine, Sungkyunkwan University, Republic of Korea) Jong Sung Park (Dong-A University College of Medicine, Republic of Korea)	
Speaker:	상심실성 빈맥의 심전도 진단	In-Soo Kim (Yonsei University College of Medicine, Republic of Korea)
	서맥의 심전도 진단	Sungil Im (Kosin University College of Medicine, Republic of Korea)
	심방세동의 진단 및 선별검사	Moo-Nyun Jin (Inje University College of Medicine, Republic of Korea)
	항혈전 치료의 개요와 실제	Sang Hoon Na (Seoul National University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**EKG Educational Course 1** ROOM 7 | KOR

Chair:	Moon-Hyoung Lee (Yonsei University College of Medicine, Republic of Korea) Jin-Seok Kim (Korea University College of Medicine, Republic of Korea)	
Speaker:	ECG Basics (Basic Physiology, ECG Leads and Axis)	Young Choi (College of Medicine, The Catholic University of Korea, Republic of Korea)
	P Wave and Sinus Node Dysfunction	Tae-Seok Kim (College of Medicine, The Catholic University of Korea, Republic of Korea)
	Cardiac Conduction System and Atrioventricular Block	Jinhee Choi (Pusan National University School of Medicine, Republic of Korea)
	Physiology and Abnormality of Repolarization on ECG	Kwang-No Lee (Ajou University School of Medicine, Republic of Korea)
	ECG Detection of Acute Coronary Syndrome	Jumsuk Ko (Wonkwang University School of Medicine, Republic of Korea)
	<i>Discussion</i>	

## ■ 13:15-14:15

**Industry Session (Chong Kun Dang Pharm)** ROOM 8 | KOR

Chair:	Seongwook Han (Keimyung University School of Medicine, Republic of Korea)	
Speaker:	Anti-Arrhythmic Effect of Carvedilol on Suppressing PVC/VT from OT	Jongmin Hwang (Keimyung University School of Medicine, Republic of Korea)
	Wearable Devices in Cardiology: CART-I	Eue-Keun Choi (Seoul National University College of Medicine, Republic of Korea)

## ■ 14:15-14:45

**Industry Session (Yuhan)** ROOM 8 | KOR

Speaker:	AF Burden and Stroke Risk in the Era of Wearable ECG Monitor	Pil-Sung Yang (CHA University, Republic of Korea)
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## ■ 15:00-16:30

**SCD 2: Novel Insights into SCD: What is New in Inherited Arrhythmia** ROOM 1 | ENG

Chair:	Hui-Nam Pak (Yonsei University College of Medicine, Republic of Korea) Young Keun On (School of Medicine, Sungkyunkwan University, Republic of Korea)	
Speaker:	Impact of Genomics in Clinical Cardiology Practice	Christopher Semsarian (University of Sydney, Australia)
	"Concealed Cardiomyopathies" in Young People with Sudden Cardiac Arrest	Christopher Semsarian (University of Sydney, Australia)
	Inherited Cardiac Disorders: Beyond Monogenic Inheritance	Connie Bezzina (Amsterdam UMC, Netherlands)
	Genetic Basis Sudden Cardiac Death in Japan	Takeshi Aiba (National Cerebral and Cardiovascular Center, Japan)
	Sudden Cardiac Death and Inherited Arrhythmia in Korea	Jong-Il Choi (Korea University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Cross Specialty 4: Joint Symposium with Korean Intervention Society** ROOM 2 | KOR

Chair:	Myung Yong Lee (Dankook University College of Medicine, Republic of Korea) Jang-Whan Bae (Chungbuk National University College of Medicine, Republic of Korea)	
Speaker:	Antithrombotic Therapy in AF Patients Undergoing PCI: Overview	Jin Bae Lee (Daegu Catholic University College of Medicine, Republic of Korea)
	When to Stop Aspirin in AF Patients after PCI	Young-Hoon Jeong (Gyeongsang National University College of Medicine, Republic of Korea)
	Atrial Fibrillation Patients Undergoing PCI: Complex Case and Clinical Tip	Youmi Hwang (College of Medicine, The Catholic University of Korea, Republic of Korea)
	Antithrombotic Therapy after TAVR in Atrial Fibrillation Patients	Ju Youn Kim (School of Medicine, Sungkyunkwan University, Republic of Korea)
	Management of Conduction Disturbances Associated with TAVR	Myung-Jin Cha (University of Ulsan College of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Atrial Fibrillation 7: AF Ablation with Balloon** ROOM 3 | ENG

Chair:	Kee-Joon Choi (University of Ulsan College of Medicine, Republic of Korea) Daehyeok Kim (Inha University School of Medicine, Republic of Korea)	
Speaker:	Update Novel Balloon Devices and PFA in AF Ablation	Julian Chun (CCB Frankfurt, Germany)
	What is Next after Durable PVI-ASTRO AF Study	Julian Chun (CCB Frankfurt, Germany)
	Hot Balloons for Pulmonary Vein Isolation	Hiro Yamasaki (University of Tsukuba, Japan)
	Cryoballoon Ablation of Persistent AF	Hong Euy Lim (College of Medicine, Hallym University, Republic of Korea)
	Tips and Tricks for Optimizing the Safety of CryoAblation	Sanghee Lee (Pohang SeMyeong Christianity Hospital, Republic of Korea)
	<i>Discussion</i>	

**Ventricular Tachycardia 5: Practical Tip in Ablation for VT** ROOM 4 | ENG

Chair:	Kyoung-Min Park (School of Medicine, Sungkyunkwan University, Republic of Korea) Eue-Keun Choi (Seoul National University College of Medicine, Republic of Korea)	
Speaker:	Direct Epicardial Ablation Supplemented by Intramural Ethanol Injection via Surgical Approach for VTs Refractory to Combined Epi/Endocardial Ablation	Minglong Chen (The First Affiliated Hospital of Nanjing Medical University, China)
	Substrate Mapping during Sinus Rhythm in VT Ablation: How to Improve Clinical Outcomes	Gi-Byoung Nam (University of Ulsan College of Medicine, Republic of Korea)
	Determining VT Circuit and Successful Ablation Site: Entrainment Pacing and Pace-mapping	Seongwook Han (Keimyung University School of Medicine, Republic of Korea)
	Inducing PVCs and VTs during EP Study: Tips and Pitfalls	Ki-Hun Kim (Inje University College of Medicine, Republic of Korea)
	Catheter Ablation of VT in Hypertrophic Cardiomyopathy	Yae Min Park (Gachon University School of Medicine, Republic of Korea)
	<i>Discussion</i>	

**Joint Symposium with Overseas Society 2** ROOM 5 | ENG

Chair:	Eun Sun Jin (School of Medicine, Kyung Hee University, Republic of Korea)	
Presenter:	Recurrent Syncope following Heart Transplantation: A Case Report and Literature Review	Hye Ree Kim (Samsung Medical Center (Samsung Seoul Hospital), Republic of Korea)
	Evaluation of the Pattern Use of Anti-Thrombotic in Stroke Patients with Atrial Fibrillation	Niyata Hananta Karunawan (Tugurejo General Hospital, Indonesia)
	A Case of AVNRT Pediatric with Recurrent Three-Time Hospitalized: What Should We Do to Acute and Long Term Management of Pediatric Arrhythmia?	Niyata Hananta Karunawan (Tugurejo General Hospital, Indonesia)
	Bradycardia-Related Atrial Noncapture during Dual-Chamber Pacemaker Implantation	Sze Man Fiona Yuen (North District Hospital, Hong Kong)
	Cather Ablation of Ventricular Tachycardia in a Case of Arrhythmogenic Right Ventricular Tachycardia with Multiple ICD Shocks	Anupam Jena (Kalinga Institute of Medical Sciences, India)
	<i>Discussion</i>	

## 개원의 및 전공의를 위한 부정맥 치료법 2

ROOM 6 | KOR

Chair: June Namgung (Inje University College of Medicine, Republic of Korea)  
 Minsoo Ahn (Yonsei University College of Medicine, Republic of Korea)

Speaker:	심방세동의 뇌졸중 예방법	Ki Yung Boo (Jeju National University School of Medicine, Republic of Korea)
	NOAC의 약리학/약동학적 특성	Minsoo Kim (Dongkang Hospital, Republic of Korea)
	심방세동환자의 맥박수 조절 방법	Kwangjin Chun (Kangwon National University School of Medicine, Republic of Korea)
	심방세동에서 항부정맥제 사용방법	Sung Ho Lee (School of Medicine, Sungkyunkwan University, Republic of Korea)
	<i>Discussion</i>	

## EKG Educational Course 2

ROOM 7 | KOR

Chair: Kyoung-Suk Rhee (Chonbuk National University Medical School, Republic of Korea)  
 Daehee Shin (Design Hospital, Republic of Korea)

Speaker:	Narrow QRS Tachycardia	Hancheol Lee (National Health Insurance Service Ilsan Hospital, Republic of Korea)
	Wide QRS Tachycardia	Chan-Hee Lee (Yeungnam University College of Medicine, Republic of Korea)
	ECG of Channelopathy	Minsu Kim (Chungnam National University College of Medicine, Republic of Korea)
	ECG Manifestation of Electrolyte Imbalance	Youngjin Cho (Seoul National University College of Medicine, Republic of Korea)
	Drug Induced ECG Changes	Hee-Sun Mun (Yonsei University College of Medicine, Republic of Korea)
	<i>Discussion</i>	

## ■ 15:00-15:30

Industry Session (SANOFI):  
 Recent Updates of Rhythm Control Strategies in Long-Term AF Treatment:  
 Role of Dronedarone

ROOM 8 | KOR

Speaker: Recent Updates of Rhythm Control Strategies in Long-Term AF Treatment: Role of Dronedarone Eun Sun Jin (School of Medicine, Kyung Hee University, Republic of Korea)