

DAY 1: JUNE 8 (FRI.), 08:30-10:00

Clinical Tutorial : Back to the Basics

Chairs: Moon-Hyoung Lee, Seil Oh

Panels: Jin-Kyu Park, Yoo Ri Kim, Dong Geum Shin

ROOM 01
(Vista 1)

Identifying Reentry as a Cause of Clinical Arrhythmias

Seongwook Han

Unipolar and Bipolar Electrogram Analysis in Mapping

Chun Hwang

Biophysics of RF Ablation

Hong Euy Lim

Ventricular Tachycardia I : Substrate of VT

Chairs: You-ho Kim, Dae Kyeong Kim

Panels: Jong Youn Kim, Jin-Bae Kim, Kyoung-Min Park

ROOM 02
(Grand 1)

Role of Cardiac MR in VT Ablation

Sung Ho Hwang

Mid-Myocardial Septal Substrate for Ventricular Tachycardia in Non-Ischemic Cardiomyopathy

Haris Haqqani

Role of Entrainment in the Era of High-Density Activation Mapping

Pasquale Santangeli

Useful Tips for Successful RF Ablation from papillary Muscle, Purkinje System, and Cardiac Crux

Mitsuharu Kawamura

Allied Professional I : Mapping Techniques of Clinical Tachycardia

Chairs: Chang-Hee Lee, Won Woo Yoo

ROOM 03
(Grand 5)

Pacing Maneuvers for SVT Differentiation

Young Woong Ha

Mapping of AT During/After AF Ablation

Hyun-Soo Lee

Utility of ICE in Electrophysiology

Hye Bin Gwag

Complete Pulmonary Vein Antrum Isolation(CPVAI) Utilizing 3D mapping

Yoshiro Sakai

Basic EP : His-Purkinje System

Chairs: Yongkeun Cho, Tae-Joon Cha

Panels: Yae Min Park, Hee Tae Yu, Myung-jin Cha

ROOM 04
(Vista 2)

Anatomical Review

Jeong-Wook Seo

Ultrastructure of Purkinje Fiber

Il-young Oh

Functional Role of the His-Purkinje System in Arrhythmogenesis

Junbeom Park

DAY 1: JUNE 8 (FRI.), 10:30 - 12:00

Atrial Fibrillation I : Autonomic Modulation for AF Management

Chairs: Chun Hwang, Dong-Gu Shin

Panels: Jun Kim, Woo-seung Shin, Eue-Keun Choi

**ROOM 01
(Vista 1)**

Can We Non-Invasively Evaluate Autonomic Nerve Activity?

Peng-Sheng Chen

GP Modulation

Seil Oh

Role of Ligament of Marshall Ablation

Kaoru Okishige

Sympathetic Inhibition and Inflammation

Boyoung Joung

Ventricular Tachycardia II : VT Storm and VF

Chairs: Mitsuharu Kawamura, Yongkeun Cho

Panels: Dae-Woo Hyun, Jae-Jin Kwak, Namsik Yoon

**ROOM 02
(Grand 1)**

Evaluation of Patients with VT Storm

Kyoung-Min Park

Ablation Strategy for VT Storm in Ischemic Cardiomyopathy

Haris Haqqani

Ablation Strategy for VT Storm in Non-Ischemic Cardiomyopathy

Gi-Byoung Nam

Catheter Ablation for J Wave Syndrome

Jaemin Shim

Allied Professional II : Cardiac Implantable Electronic Devices

Chairs: Wan Jae Jang, Ok Choi

**ROOM 03
(Grand 5)**

Feasibility of Permanent His Bundle Pacing

Dae In Lee

Optimal ICD Programming:

Ji Youn Hwang

Primary Prevention vs. Secondary Prevention

Predictors of Response to Cardiac Resynchronization Therapy

Gu Hyun Kang

Lead Extraction: Technique and Complication

Sang Weon Park

Noninvasive Electrocardiology I :

Syncope Evaluation and Management in Modern Era

Chairs: June Soo Kim, Takanori Ikeda

Panels: Sang-Jin Han, Jin Bae Lee

**ROOM 04
(Vista 2)**

Evaluation of Syncope: Focused on Recently Updated Guideline

June Soo Kim

Hemodynamic Parameters and Baroreflex Sensitivity During HUT in Patients with Neurally Mediated Syncope

Sung Ho Lee

Role of Baroreflex Sensitivity in Predicting Tilt Training Response in Patients with Neurally Mediated Syncope

Kwang Jin Chun

Management of Neurally Mediated Syncope: Focused on Recently Updated Guideline

Woo-Hyun Lim

DAY 1: JUNE 8 (FRI.), 12:00-13:00

Luncheon Symposium I (Pfizer & BMS) :
Expanding Our Knowledge of NOACs in SPAF:
From Practical Evidence to Enhanced Guideline

ROOM 01
(Vista 1)

Opening

Boyoung Joung

NOAC: Where Are We Going? – Updated Clinical Data & Guidelines in Korea

Ki Hong Lee

Perspectives Based on Korean AF and Clinical Data with Apixaban

Pil-Sung Yang

Luncheon Symposium II (BORYUNG) :
What's New and What's Different in PRADAXA?
Chair: Gyo-Seung Hwang

ROOM 02
(Grand 1)

Cardiovascular Protection of Dabigatran in a High-Risk Patient Population

Hyung-Wook Park

NOACs Are Not the Same Look into RCT & RWE

Myung-jin Cha

Luncheon Symposium III (Abbott) :
The Great Debate: CRT-P vs. CRT-D
Chairs: Young Keun On, Gi-Byoung Nam

ROOM 03
(Grand 5)

Pro CRT-D vs. Pro CRT-P

David O'Donnell, Derek V Exner

Luncheon Symposium IV (Boston Scientific) :
Advancing S-ICD: Sharing Experience-What's "Untouched"?
Chairs: Dong-Gu Shin, Seongwook Han

ROOM 04
(Vista 2)

Korea Real Experience with the S-ICD System

Hee Tae Yu

Case of Young Patient with HCMP

Sang Weon Park

DAY 1: JUNE 8 (FRI.), 13:00 - 14:30

Plenary Session for the 10th Anniversary of KHRS Scientific Session

Chairs: Man Young Lee, June Soo Kim

Panels: Kee-Joon Choi, Hui-Nam Pak, Hyung-Wook Park

ROOM 01
(Vista 1)

Twenty-Year History of AF Ablation in Korea

Young-Hoon Kim

Arrhythmogenic RV Cardiomyopathy:

Hugh Calkins

Registry and Genetic Screening

What We Have Learned from Neural Modulation Research for AF and SCD

Peng-Sheng Chen

Ventricular Tachycardia III : PVC in Structurally Normal Heart

Chairs: Gi-Byoung Nam, Kyoung-Suk Rhee

Panels: Myung Hwan Bae, Sung Il Im, Pil-Sung Yang

ROOM 02
(Grand 1)

How Can I Know That This Patient Has Normal Heart

June Namgung

Evidence-Based Indication of PVC Ablation

Young Soo Lee

My Worst and Best Cases

Hyoung-Seob Park

Interesting Case Presentation (Foreign)

Chair: You-ho Kim

ROOM 03
(Grand 5)

Is It Easy to Focus the Origin of Narrow Complex Tachycardia?

Thet Lel Swe Aye

Burning Near the HIS Bundle

Imran Khan

Focal Atrial Tachycardia Originating from Left Inferior Pulmonary Vein

Nwe Nwe

A Case Reported of Brugada Substrate Ablation in a Patient Receive

Chhang Tea

Frequent ICD Shock Due to Recurrent VT/VF Storm

Wolff-Parkinson-Syndrome in Ebstein Anomaly

Saruul Tseveendee

DAY 1: JUNE 8 (FRI.), 15:00-16:30

Atrial Fibrillation II : Issues in AF Ablation

Chairs: Young-Hoon Kim, Yong Seog Oh

Panels: Ki-Hun Kim, Jaemin Shim, Yoo Ri Kim

ROOM 01
(Vista 1)

Anticoagulation Strategy During the Peri-Procedural Period

Hugh Calkins

What Is the End Point of AF Ablation

Pasquale Santangeli

Role of Balloon Technology for AF Ablation

Kaoru Okishige

Strategy for Repeat Ablation

Hui-Nam Pak

What Is Arrhythmia? :

The Correct Understanding of Arrhythmia for General Public

Chair: Gyo-Seung Hwang

ROOM 02
(Grand 1)

Normal Sinus Rhythm and Premature Beat

Ki-Woon Kang

Tachycardia and Bradycardia

Yae Min Park

Atrial Fibrillation and Stroke

Junbeom Park

Pediatric EP : Pediatric Bradyarrhythmia and Device Therapy

Chairs: Jae-Kon Ko, Myung Chul Hyun

Panels: Sangyun Lee, Hee Tae Yu, Mi Kyoung Song

ROOM 03
(Grand 5)

Overview of Bradyarrhythmia in Children and Congenital Heart Anomaly

Ji-Eun Ban

Special Consideration of Device Therapy: Indication, Mode and Programming in Children and Congenital Heart Disease

June Huh

Which Device Is Optimal?: Epicardial vs. Transvenous

Eun-Jung Bae

Prevention and Management of Long Term Pacing Related Complications

Jae Suk Baek

Noninvasive Electrocardiology II : Prediction of Sudden Cardiac Death and AF

Chairs: Jeong-Gwan Cho, Dong-Gu Shin

Panels: Jong-Il Choi, Jum Suk Ko

ROOM 04
(Vista 2)

Noninvasive Tools for Predicting the Occurrence of SCD

Dong-Gu Shin

Clinical Implications of Electrocardiographic Markers in the Prediction of SCD

Takanori Ikeda

K-Redefine Study: Interim Result

Seung-Jung Park

Heart Rate Turbulence as a Risk Factor in Survival Analysis

Diana Gareeva

Prognostic Value of the Change in Heart Rate After Catheter Ablation of Paroxysmal Atrial Fibrillation

Kwang-No Lee

DAY 1: JUNE 8 (FRI.), 16:45 - 18:15

YIA Competition

Chairs: Young-Hoon Kim, Dong-Gu Shin

Judges: Hugh Calkins, Peng-Sheng Chen, Haris Haqqani, Chun Hwang, Takanori Ikeda, Mitsuharu Kawamura, Sung Woo Lee, Kaoru Okishige, Pasquale Santangeli, Alexander G.G. Turpie, Gi-Byoung Nam, Yong Seog Oh, Tae-Joon Cha

**ROOM 01
(Vista 1)**

Efficacy and Safety of Non-Vitamin K Oral Anticoagulants in Hypertrophic Cardiomyopathy with Non-Valvular Atrial Fibrillation: A Nationwide Cohort Study	Hyunjean Jung
Cardiac Targeting Peptide-Expressed Exosomes Recovered Ca^{2+} Release by miR-1 and 133 in Pacing Induced Tachycardia Model	Hyoeun Kim
Underutilization of Oral Anticoagulants in Patients with Atrial Fibrillation Who Underwent Coronary Revascularization Therapy: A Nationwide Population-Based Study	Jiesuck Park
Particulate Matter Air Pollution and Incident Atrial Fibrillation in Healthy Subjects from the General Population: A Nationwide Cohort Study	In-Soo Kim
Heart Failure Hospitalizations Among AF Patients with Normal LV Systolic Function: Findings from the Prospective Korean Registry for Comparison Study of Drugs for Symptom Control and Complication Prevention of Atrial Fibrillation (CODE-AF)	Hyoungwon Cho
Cardiac Resynchronization Therapy Optimization Using Automatic Algorithm and Left Ventricular-Only Pacing	Hye Bin Gwag

DAY 2: JUNE 9 (SAT.), 08:30-10:00

Live Cases I

Chairs: Kee-Joon Choi, Myung-Yong Lee

ROOM 01
(Vista 1)

When Do We Have to Consider Linear Lesion in Patients without
Macroreentry

Seongwook Han

LAA Occlusion : Practical Issues in Surgical and Transcutaneous Procedures

Chairs: Yong Seog Oh, Young Keun On

Panels: Hong Euy Lim, Woo-Keun Seo, Myung-jin Cha

ROOM 02
(Grand 1)

Long-Term Clinical Outcome of Thoracoscopic LAA Exclusion

Dong Seop Jeong

Is Concomitant LAA Exclusion Necessary During Cardiac Surgery?

Jae Seung Jung

How to Improve Procedural Success

Sung Woo Lee

Anti-Thrombotic Regimen for Post-LAAO Status

Sung-Hwan Kim

ECG Goldenbell

Chairs: Nam-Ho Kim, Gyo-Seung Hwang

Participants: Applicants among Medical Residents / Fellows at Each Hospitals

ROOM 03
(Grand 5)

Noninvasive Electrocardiology III : National Health Policy and Health Insurance

Chairs: Dong-Jin Oh, Byung-Chun Jung

Panels: Jang Ho Bae, Joong Wha Chung, Sang Kwon Oh

ROOM 04
(Vista 2)

Non-Invasive Study: Cost and Reimbursement Criteria

Jin-Bae Kim

Role of 12-lead ECG in National Health Policy

Tae-Seok Kim

CIED F/U Cost and Current Status of Remote Monitoring

Sang Weon Park

Wearable Technology for Digital Healthcare

Hyoung-Seob Park

DAY 2: JUNE 9 (SAT.), 10:30-12:00

Live Cases II

Chairs: June Namgung, Sang Weon Park

ROOM 01
(Vista 1)

How to Improve the Success Rate of Bidirectional Block at Perimitral Area

Jong-Il Choi

Atrial Fibrillation III : SPAF

Chairs: Myung-Yong Lee, Tae-Joon Cha

Panels: Dong-Hyeok Kim, Jin-Kyu Park, So-Ryoung Lee

ROOM 02
(Grand 1)

New Risk Factors of AF and Stroke:

Eue-Keun Choi

Results of a Nationwide Population-Based Study

Key Findings in GARFIELD-AF Registry

Alexander G.G. Turpie

Gender Difference of Stroke Risk in NOAC Era

Jin-Seok Kim

Comparison of NOAC

Boyoung Joung

Age Threshold for Ischemic Stroke Risks in Patients with Atrial Fibrillation:

Tae-Hoon Kim

Nationwide Cohort Data Covering the Entire Korean Population

CIED I : ICD Therapy: Dilemmas

Chairs: Yoon-Nyun Kim, Dae Hyeok Kim

Panels: Young Soo Lee, Jung-Hoon Sung, Eun-Sun Jin, Jin Kun Jang

ROOM 03
(Grand 5)

A 12-Year-Old Girl: Options and Your Choice

Mi Kyoung Song

Lead Selection: Single vs. Dual Chamber, Single vs. Dual Coil, etc.

Ki Hong Lee

NICM with No Myocardial Scar: Do I Have to Implant ICD

Youngjin Cho

The Infection Burden for Pacemakers and Implantable

Pil-Sung Yang

Cardioverter-Defibrillators in Korea

Mortality, Complications Follow-Up Analysis in Patients with Sick Sinus Syndrome and Implanted Pacemaker

Diana Gareeva

Joint Session with KSHF : What Is the Optimal Therapy

Chairs: Seok Keun Hong, Nam-Ho Kim

Panels: Mi-Seung Shin, Jin Oh Choi, Jung Myung Lee, Chan-Hee Lee

ROOM 04
(Vista 2)

KSHF Guidelines: Principles of HF Management

Jin Oh Choi

Korean Reimbursement Criteria for ICD: Current Issues

Min Soo Ahn

Korean Reimbursement Criteria for CRT: Current Issues

Hyung-Wook Park

How Much Do You Know ARNI

Hyun-Jai Cho

DAY 2: JUNE 9 (SAT.), 12:00-13:00

Luncheon Symposium V (Daiichi-Sankyo & DAEWOONG) :
Decision of NOACs in Stroke Prevention of Patients with AF
Chair: Gi-Byoung Nam

ROOM 01
(Vista 1)

Pivotal Trials and Guideline
Real World Data

Tae-Hoon Kim
So-Ryoung Lee

Luncheon Symposium VI (BAYER) :
Confidence Through Real World Experience with Rivaroxaban
Chairs: Yong Seog Oh, Tae-Joon Cha

ROOM 02
(Grand 1)

Key Findings from XANTUS, the First Global Prospective Real World
Evidence of Rivaroxaban
The First Prospective, Observation Study with Rivaroxaban in NVAF
Patients in Asia

Alexander G.G. Turpie
Jaemin Shim

Luncheon Symposium VII (Medtronic) :
CRT: What's New and What's Coming?
Chairs: Dong-Gu Shin, Moon-Hyoung Lee

ROOM 03
(Grand 5)

adaptivCRT Super-responder Cases (Based on Korea Data)
Advanced Lead Technology & Safety

Seung-Jung Park
Jennifer Miller

DAY 2: JUNE 9 (SAT.), 13:30-15:00

Arrhythmia Review Course I, II

Basic Interpretation of Arrhythmia

Program Director: Myung-Yong Lee

Panels: Yae Min Park, Dae In Lee, Hee Tae Yu, Myung-jin Cha

ROOM 01
(Vista 1)

Bradycardia and Pacemaker

Program Director: Dong-Gu Shin

Panels: Ki-Woon Kang, Seung-Young Roh, In Geol Song, Jinhee Ahn

Atrial Fibrillation IV : Cryoablation

Chairs: Young Keun On, Seongwook Han

Panels: Doosang Kim, Hwan-Cheol Park, Jong Sung Park

ROOM 02
(Grand 1)

Summary of Clinical Trials

Sang Hee Lee

Good Indication and Poor Indication

Jun Kim

How to Improve Procedural Outcome of Cryoablation

Sung Woo Lee

Characteristics of Atrial Fibrillation Patients Suffering Atrioesophageal

Yun-Gi Kim

Fistula After Radiofrequency Catheter Ablation

Evaluation of Optimal Target Ablation Index for Pulmonary Vein Isolation
in Patients with Atrial Fibrillation (OPTIMUM Study)

So-Ryoung Lee

Unknown EP Tracing

Chairs: Chun Hwang, Young-Hoon Kim

Panels: Jaemin Shim, Namsik Yoon, Jin-Seok Kim, Yoo Ri Kim, Tae-Hoon Kim

ROOM 03
(Grand 5)

Supraventricular Tachycardia : Knowledge to Avoid Embarrassing Situation

Chairs: Choong Hwan Kwak, Byung-Chun Jung

Panels: Hee Sun Mun, Yong-Soo Baek, Jung Myung Lee

ROOM 04
(Vista 2)

Uncommon Type of AVNRT

Eun-Sun Jin

Uncommon Type of Preexcitation Syndrome

Sung-Hwan Kim

Maneuvers for Differentiation of Long-RP Tachycardia

Jum Suk Ko

Bipolar Electrogram Morphology Depends on Conduction Velocity, Catheter

Minki Hwang

Orientation, and Scar Size: In Silico Modeling Study

Clinical Implication of Thyroid Function Test in Patients with Suspected
or Documented Supraventricular Tachyarrhythmia

Hye Bin Gwag

DAY 2: JUNE 9 (SAT.), 15:30-17:00

Arrhythmia Review Course III, IV

Narrow QRS Tachycardia

Program Director: Man Young Lee

Panels: Youngjin Cho, Yong-Soo Baek, Ju-Youn Kim, So-Ryoung Lee

ROOM 01
(Vista 1)

Wide QRS Tachycardia

Program Director: Kee-Joon Choi

Panels: Pil-Sung Yang, Junbeom Park, Young-Ah Park, Hee Sun Mun

Atrial Fibrillation V : New Technology and Ablation Strategy for AF

Chairs: Tai-Ho Rho, Moon-Hyoung Lee

Panels: Jong-Il Choi, Gu Hyun Kang, Chang Hee Kwon

ROOM 02
(Grand 1)

Ablation Using Contact-Force Sensing Catheter

Role of High Density Mapping

Strategy for Index Ablation Procedure in Persistent AF: PM Is Enough - Pros

Strategy for Index Ablation Procedure in Persistent AF: PM Is Enough - Cons

Realistic Simulation Modeling for Atrial Fibrillation Reflecting Personal Anatomy, Histology, and Electrophysiology

Eue-Keun Choi

Chun Hwang

Hong Euy Lim

Yong Seog Oh

Jaehyeok Kim

CIED II : Practical Techniques for CRT Implantation

Chairs: Sang-Jin Han, Sung Won Jang

Panels: Tae-Seok Kim, Woo Seok Lee, Sungsoo Kim

ROOM 03
(Grand 5)

From Vein Puncture to CS Cannulation

Cardiac Vein Selection

Venoplasty for LV Lead Placement

Optimization After Implantation

Il-young Oh

Jung-Hoon Sung

Seung-Jung Park

Jun Hyung Kim