English Sessions

Thursday, September 14

Main Hall

Invited Symposium 1 (AF-1)  11:20-12:50

Driver Mapping and Ablation for Atrial Fibrillation

Chairpersons:
Teiichi Yamane (Japan) / Rong Bai (Taiwan) / Warangkna Boonyapisit (Thailand) / Douglas Packer (United States)

Keynote Lecture:
IS1-KL Driver Mapping and Ablation for Atrial Fibrillation
Douglas Packer (United States)

Speakers:
IS1-1. Extra Mapping and Rotor Targeted Ablation
Takashi Ashihara (Japan)
IS1-2. Ultra-Rapid High Resolution Rotor Mapping
Li-Wei Lo (Taiwan)
IS1-3. Clinical Approach and Outcomes of AF Ablation Targeting Rotors
Yoshihide Takahashi (Japan)
IS1-4. Prevalence and Mechanism of Rotor Activation Identified During Atrial Fibrillation by Noncontact Mapping
Hiroshige Yamabe (Japan)

Invited Symposium 2 (AF-2)  14:40-16:10

Anatomical Understanding and Issues of Heart for Catheter Ablation for Atrial Fibrillation

Chairpersons:
Osamu Igawa (Japan) / Jan-Yow Chen (Taiwan) / Jose A. Cabrera (Spain) / Antonio Raviele (Italy)

Keynote Lecture:
IS2-KL Anatomical Understanding and Issues of Heart For Catheter Ablation for Afib
Jose A. Cabrera (Spain)

Speakers:
IS2-1. The Architecture of the Left Atrial Wall
Jeong-Wook Seo (Korea)
IS2-2. Pitfall of AF Ablation from the View Point of Anatomy
Osamu Igawa (Japan)
IS2-3. Anatomy for Mapping and Ablation of AF
Hsuan-Ming Tsao (Taiwan)
IS2-4. Pulmonary Vein Isolation: The Impact of Pulmonary Venous Anatomy on Long-Term Outcome of Catheter Ablation for PAF
Jonathan M. Kalman (Australia)

Invited Symposium 3 (AF-3)  16:30-18:00

Management of Atria Tachycardia after Ablation for Atrial Fibrillation

Chairpersons:
Takashi Tsuchiya (Japan) / Louise Burrell (Australia) / Pipin Kojodjojo (Singapore) / Claudio Tondo (Italy)

Keynote Lecture:
IS3-KL Management of Atria Tachycardia after Ablation for Atrial Fibrillation
Claudio Tondo (Italy)

Speakers:
IS3-1. Recurrence of Atrial Tachyarrhythmia During the Blanking Period
Peter Kistler (Australia)
IS3-2. Mapping and Ablation of Atrial Tachycardias After AF Ablation
Aman Chugh (United States)
IS3-3. Management of Postoperative Atrial Tachycardia after Surgical Therapy of AF
Yasushi Miyachi (Japan)
IS3-4. Left Atrial Tachycardia after Circumferential Pulmonary Vein Ablation for Atrial Fibrillation: Incidence, Electrophysiological Characteristics, and Results of Radiofrequency Ablation
Seongwook Han (Korea)

Room 301

Invited Symposium 4 (SCD-1)  11:20-12:50

Device Selection for Primary Prevention of Sudden Cardiac Death, ICD Versus S-ICD

Chairpersons:
Ritsushi Kato (Japan) / Martin K Stiles (New Zealand) / Eric N. Prystowsky (United States) / Angelo Auricchio (Switzerland)

Keynote Lecture:
IS4-KL Which Is Better TVICD or SICD for Primary Prevention
Angelo Auricchio (Switzerland)

Speakers:
IS4-1. The Emerging Roles of S-ICD
Eric N. Prystowsky (United States)
IS4-2. Surface Electrocardiogram Screening for S-ICD in Japanese Patient
Mihoko Kawabata (Japan)
IS4-3. The Safety and Feasibility of S-ICD in an Asian Population
Hung-Fat Tse (Hong Kong)
IS4-4. Advantages and Disadvantages of S-ICD for Primary Prevention
Nobuhiro Nishii (Japan)

Invited Symposium 5 (SCD-2)  16:30-18:00

Update of Primary ICD Indication for Idiopathic VF (Brugada and J Wave Syndrome)

Chairpersons:
Haruhiko Abe (Japan) / Jitendra Vohra (Australia) / Shufen Liang (Singapore) / Arthur AM Wilde (Netherlands)

Keynote Lecture:
IS5-KL Overview for the Diagnosis and Management of IVF Patients
Arthur AM Wilde (Netherlands)
Invited Symposium 6 (Pharmacological Therapy-1) 11:20-12:50
Pharmacological Approach to Improve Survival in Patients with Cardiac Arrest
Chairpersons:
Koichiro Yoshioka (Japan) / Chern-En Chiang (Taiwan) / Kee-Joon Choi (Korea) / Riccardo Cappato (Italy)
Keynote Lecture:
IS6-KL How Should We Treat the Survivors from Cardiac Arrest?
Riccardo Cappato (Italy)
Speakers:
IS6-1. Effects of Nifekalant and Amiodarone in Cardiac Arrest Patients Who Are Refractory to Electrical Defibrillation
Mari Amino (Japan)
IS6-2. The Use of AADS for Sudden Cardiac Arrest Patients with Ventricular Fibrillation
Wen-Jone Chen (Taiwan)
Akira Iieno (Japan)
IS6-4. Electrical Storm: Lessons from Nippon-Storm Study
Takashi Noda (Japan)

Invited Symposium 7 (Pharmacological Therapy-2) 14:40-16:10
Selective Usage of Direct Oral Anticoagulants on the Basis of Characteristics in Patients with Non-Valvular Atrial Fibrillation
Chairpersons:
Shinichi Niwano (Japan) / David Foo (Singapore) / Ki Hong Lee (Korea) / Gregory Y.H. Lip (United Kingdom)
Keynote Lecture:
IS7-KL Antiplatelet and Antithrombotic Therapy in Patients with Atrial Fibrillation Undergoing Coronary Stenting
Gregory Y.H. Lip (United Kingdom)
Speakers:
IS7-1. DOAC in Elderly AF Patients
Takanori Ikeda (Japan)
IS7-2. Dual or Triple Therapy after PCI
Chen-Chuan Cheng (Taiwan)
IS7-3. Impact of Renal Dysfunction on Anticoagulation in Patients with Atrial Fibrillation
Ki Hong Lee (Korea)
IS7-4. Should DOAC Be Monitored?
Yufeng Hu (Taiwan)

Invited Symposium 8 (AF-4) 16:20-18:00
Strategy of Catheter Ablation for Persistent Atrial Fibrillation
Chairpersons:
Seiji Takatsu (Japan) / Yan Yao (China) / Ton That Minh (Viet Nam) / Atul Verma (Canada)
Keynote Lecture:
IS8-KL Strategy of Catheter Ablation For Persistent Atrial Fibrillation
Atul Verma (Canada)
Speakers:
IS8-1. Efficacy of Left Atrial Voltage-Based Catheter Ablation of Persistent AF
Koichiro Kumagai (Japan)
IS8-2. Catheter Ablation of Nonparoxysmal Atrial Fibrillation Using Electrophysiologically Guided Substrate Modification During Sinus Rhythm After Pulmonary Vein Isolation
Gang Yang (China)
IS8-3. Clinical Outcome after Catheter Ablation of Persistent Atrial Fibrillation
Christopher Piorowski (Germany)
IS8-4. Liner Ablation for Persistent AF
Tae-Hoon Kim (Korea)
IS8-5. Non-Pulmonary Vein Triggers of AF
Narayana Namboodiri (India)

Invited Symposium 9 (Basic/Genetic-1) 11:20-12:50
Remodeling and Arrhythmias
Chairpersons:
Tetsuo Sasano (Japan) / Byung Chun Jung (Korea) / Takeshi Aiba (Japan) / Stanley Nattel (Canada)
Keynote Lecture:
IS9-KL Remodeling of Nuclear Calcium Handling in Atrial Fibrillation
Stanley Nattel (Canada)
Speakers:
IS9-1. Involvement of Epicardial Fat Tissue in Atrial Remodeling and Inflammation
Naohiko Takahashi (Japan)
IS9-2. Role of MicroRNA in Atrial Remodeling
Tetsuo Sasano (Japan)
IS9-3. Ventricular Remodeling Related to Heart Failure
Takeshi Aiba (Japan)
IS9-4. Mechanism of Atrial/Ventricular Remodeling
Mien-Cheng Chen (Taiwan)

Invited Symposium 10 (Basic/Genetic-2) 14:40-16:10
Brugada Syndrome: Up-to-Date
Chairpersons:
Minoru Horie (Japan) / Jong-Il Choi (Korea) / Kuan-Cheng Chang (Taiwan) / Arthur AM Wilde (Netherlands)
Keynote Lecture:
IS10-KL Brugada Syndrome
Arthur AM Wilde (Netherlands)
Speakers:
IS10-1. Brugada Syndrome: Up to Date in South Korea
   Jong-Il Choi (Korea)
IS10-2. Brugada Syndrome: Up to Date in Taiwan
   Jyh-Ming Jimmy Juang (Taiwan)
IS10-3. Depolarization Abnormality in High Risk Patients with
   Brugada Syndrome
   Hiroshi Morita (Japan)
IS10-4. Genetics in Brugada Syndrome
   Kenichiro Yamagata (Czech Republic)

Room 304
Invited Symposium 11 (Pediatric-1)  16:30-18:00

Therapeutic Strategy for Post Operative Congenital Heart Disease
Chairpersons:
   Jun Yoshimoto (Japan) / Haris M. Haqqani (Australia) / James Wong (Singapore) / George F. Van Hare (United States)
Keynote Lecture:
   IS11-KL Catheter Ablation of Arrhythmia in Congenital Heart Disease: Now and Future
   George F. Van Hare (United States)
Speakers:
IS11-1. Results of Catheter Ablation in the Patients of Fontan Procedure
   Keiko Toyohara (Japan)
IS11-2. Post of Cong HD VT Ablation
   Ajay M Naik (India)
IS11-3. Catheter Ablation of Adult Congenital Heart Disease Patient
   Yoshihito Hata (Japan)

Room 315
Invited Symposium 12 (Device-1)  14:40-16:10

Controversies in Lead Extraction:
(1) SVC Approach vs IVC Approach
(2) Laser Sheath Technique vs Non-Laser Technique
Chairpersons:
   Hideo Okamura (Japan) / Neil Strathmore (Australia) / Maria Grazia Bongiorni (Italy)
Keynote Lecture:
   IS12-KL Overview: The European Lead Extraction Controlled Registry (Electra)
   Maria Grazia Bongiorni (Italy)
Speakers:
IS12-1. Lead Extraction with SVC Approach
   Russell Denman (Australia)
IS12-2. Lead Extraction Using Non-Laser System
   Nigel Lever (New Zealand)
IS12-3. Lead Extraction in Patients with Large Vegetation
   Nobuhiro Nishii (Japan)
IS12-4. Controversies in Lead Extraction: Laser vs Non-Laser, SVC Approach or IVC Approach
   Charles Erik Helgo Kennergren (Sweden)

Room 413
Oral Presentation 4  14:40-15:40

Basic-1
Chairpersons:
   Naomasa Makita (Japan) / Alexander V. Gourine (United Kingdom) / Dao W. Wang (China) / Yung-Kuo Lin (Taiwan)
Speakers:
O4-1. Exercise Inducible Polymorphic Ventricular Tachycardia Depending on the Different RYR2 Mutation Spectrum
   Yuko Wada (Japan)
O4-2. Novel N-Terminal KCNH2 Mutations Identified in Symptomatic Long QT Syndrome Patients
   Daisuke Fukumoto (Japan)
O4-3. Modelling Long-QT Syndrome Type 3 Associated with Near-Miss Sudden Infant Death Syndrome Using Human-Induced Pluripotent Stem Cells
   Sayako Hirose (Japan)
O4-4. Analysis of the Current Stimulus Phenomenon in the Ventricle Film by Optical Measurement
   Mutsumi Monma (Japan)

Oral Presentation 5  15:50-16:50

CRT-1
Chairpersons:
   Yukihiko Yoshida (Japan) / Yi-Hsin Chan (Taiwan)
Speakers:
O5-1. Super-Response to Cardiac Resynchronization Therapy in Heart Failure Patients with Left Bundle Branch Block and Homogeneous Left Ventricular Contraction Pattern
   Zhiyong Qian (China)
O5-2. Long-Term Prognosis after Cardiac Resynchronization Therapy in Patients with Ischemic and Non-Ischemic Cardiomyopathy
   Takeshi Matsuura (Japan)
OS-3. Assessment of Long-Term Outcomes after Cardiac Resynchronization Therapy
Minako Ohara (Japan)

OS-4. Device Diagnostics and ECG to Improve CRT Response
Ulhas M Pandurangi (India)

Shangyu Liu (China)

AF-2

Chairpersons:
Koji Azegami (Japan) / Seil Oh (Korea) / Michael Wong (Australia)

Speakers:
O6-1. Investigation of Radiation Dosage During Catheter Ablation Using Magnetic Navigation System in Patients with Atrial Fibrillation
Katsunori Okajima (Japan)

O6-2. Does Left Atrial Posterior Wall Isolation Without Mitral Isthmus Block Provide Additional Benefit in Patients with Long-Standing Persistent Atrial Fibrillation Undergoing Pulmonary Vein Isolation?
Yoshihiro Ikai (Japan)

O6-3. Comparison of Left Atrial Anterior Wall Ablation, Endocardial and Inside Coronary Sinus Approach of Left Lateral Isthmus Ablation in Patients with Persistent Atrial Fibrillation: A More than 5 Years Follow-Up
Yong-Soo Baek (Korea)

O6-4. Benefit of Surgical Left Atrial Appendage Obliteration Combined with Maze Operation in Atrial Tachyarrhythmia Recurrence
Juyeon Kim (Korea)

O6-5. A New Technique for Stand-Alone Atrial Fibrillation: Thoracoscopic En Bloc Isolation of the Left Pulmonary Veins and Appendage
Toshiya Ohtsuka (Japan)

Room 416+417

Invited Symposium 14 (Syncope-1)

11:20-12:50

Diagnosis and Treatment for Syncope Using Recently Developed and Emerging Device

Chairpersons:
Mitsuharu Kawamura (Japan) / Vern Hsen Tan (Singapore) / Andrew Teh (Australia) / Win K. Shen (United States)

Keynote Lecture:
IS14-KL Usefulness of a Device Implantation in Patients with Syncope of an Unknown Cause in the USA
Win K. Shen (United States)

Speakers:
IS14-1. Usefulness of Implantable Loop Recorder in Patients with Syncope of an Unknown Cause in Japan
Tatsuya Onuki (Japan)

IS14-2. Diagnosis and Treatment for Syncope of Brugada Syndrome Using Device
Kohei Ishibashi (Japan)

IS14-3. Usefulness of an Implantable Loop Recorder in Patients with Syncope of an Unknown Cause in Korea
June Soo Kim (Korea)

IS14-4. Implantable Loop Recorder in Patients with Suspected Epilepsy and Unexplained Falls
Michele Brignole (Italy)

Invited Symposium 15 (Noninvasive-1)

14:40-16:10

Noninvasive Risk Assessment for Predicting Serious Tachyarrhythmia

Chairpersons:
Koichiro Yoshioka (Japan) / June Soo Kim (Korea) / Rajpal Singh (India) / Wojciech Zareba (United States)

Keynote Lecture:
IS15-KL Risk Assessment for Predicting Life-Threatening Arrhythmia
Wojciech Zareba (United States)

Speakers:
Kenji Yodogawa (Japan)

IS15-2. Noninvasive Examinations on Risk Stratification of Future Arrhythmic Events
Fa-Po Chung (Taiwan)

IS15-3. The Role of Imaging in Predicting Sudden Cardiac Death
Takeshi Sasaki (Japan)

IS15-4. Modulation of Autonomic Nervous System and Cardiac Arrhythmias
Eue-Keun Choi (Korea)

Invited Symposium 16 (Syncope-2)

16:30-18:00

Driver’s License Including Pilot and Syncope—Current Status in Each Country—

Chairpersons:
Yoichi Kobayashi (Japan) / Dejia Huang (China) / Chun-Chieh Wang (Taiwan) / Richard Sutton (United Kingdom)

Keynote Lecture:
IS16-KL Driver’s License and Syncope in the UK
Richard Sutton (United Kingdom)

Speakers:
IS16-1. Driver’s License and Syncope in Japan
Shigeyuki Watanabe (Japan)

IS16-2. Usefulness of Head-Up Tilt Test for Driver of Pilot
Yuya Nakamura (Japan)

IS16-3. Driver’s License and Syncope in the USA
Win K. Shen (United States)

IS16-4. Driver’s License and Syncope in Asia
Toon Wei Lim (Singapore)

Cannes

Oral Presentation 7

15:00-16:00

Pharm-1

Chairpersons:
Takashi Komatsu (Japan) / Charn Sirratanasathavorn (Thailand) / Minglong Chen (China)
Invited Symposium 17 (SCD-3) 16:30-18:00

Role of Catheter Ablation to Prevent SCD in Patients with Brugada Syndrome, J Wave Syndrome and CPVT

Chairpersons: Hiroshi Nakagawa (United States) / Chenyang Jiang (China) / Yasuya Inden (Japan) / Bernard Belhassen (Israel)

Keynote Lecture: IS17-KL Role of Catheter Ablation in Patients with Brugada Syndrome, J Wave Syndrome and CPVT
Bernard Belhassen (Israel)

Speakers: IS17-1. Non-Invasive Mapping of Human Ventricular Fibrillation
Mélèze Hocini (France)
IS17-2. Long-Term Outcome after Catheter Ablation in Brugada Syndrome who had VF Storm
Buncha Sunsaneewitayakul (Thailand)
IS17-3. A Novel Method to Enhance Phenotype, Epicardial Functional Substrates, and Ventricular Tachyarrhythmias in Brugada Syndrome
Fa-Po Chung (Taiwan)
IS17-4. Catheter Ablation of CPVT
Takashi Kaneshiro (Japan)

Monaco

O9-1. Feasibility and Safety of His-Bundle Pacing in Patients with Sick Sinus Syndrome
Toshiaki Sato (Japan)

O9-2. Clinical Characteristics of Current ICD Recipients who Would be Suitable for an S-ICD
Toru Asai (Japan)

O9-3. Pacemaker Dependency after Transcatheter Aortic Valve Replacement in Patients Requiring Permanent-Temporary Pacing
Michael Shehata (United States)

O9-4. Mitral Regurgitation Reduction after Left Atrial Appendage Closure in Nonvalvular Atrial Fibrillation
Agung F Chandranegara (Indonesia)

O9-5. Atrial Antitachycardia Pacing Therapy Efficacy Among Atrial Fibrillation Patients with Dual Chamber Pacemakers: Role of Atrial Cycle Length in Tachycardia Termination
Dian A Munawar (Australia)

O9-6. Clinical Characteristics of Unsuccessful Deflation Resulting in Sudden Cardiac Death (SCD) in Patients with Implantable Cardioverter Defibrillators (ICDS)
Masahito Suzuki (Japan)

O9-7. Diurnal Variation in Atrial Sensing of the Atrial Septum Compared to Right Atrial Appendage Pacing
Shinya Sugiura (Japan)

Oral Presentation 10 15:00-16:20

AF-1

Chairpersons: Taku Asano (Japan) / Hwan-Cheol Park (Korea) / Jeroen M Hendriks (Australia)

Speakers: O10-1. Longstanding Persistent Atrial Fibrillation Patients with High Amplitude F-Waves Frequently Respond to Ablation Without Pacemaker Implantation
Yoshiyuki Hama (Japan)

O10-2. The Reduction of Radiation Exposure in Catheter Ablations by the Setting of Fluoroscopic Systems.
Takashi Kaneshiro (Japan)
O10-3. Underweight is a Risk Factor for Recurrence after Ablation For Paroxysmal Atrial Fibrillation in Japan: From the Kansai Plus Atrial Fibrillation (KPAF) Registry
Tomomi Nagayama (Japan)

O10-4. The Efficacy of Anti-Arrhythmic Drugs Following Catheter Ablation for Non-Paroxysmal Atrial Fibrillation: Sub-Analysis of East-AF Trial
Kazuaki Kaitani (Japan)

O10-5. Comparison of Pulmonary Vein Isolation Using Cryoballoon Versus Conventional Radiofrequency for Persistent Atrial Fibrillation
Giichi Nitta (Japan)

O10-6. Radiofrequency Catheter Ablation versus Cryo-Balloon Ablation in Treating Chinese Patients with Paroxysmal Atrial Fibrillation: A Cost-Effectiveness Analysis
Xuerong Sun (China)

Invited Symposium 18 (SCD-4) 11:20-12:50
Prevention of Sudden Cardiac Death: Guidelines vs. Real World Medicine
Chairpersons:
Morio Shoda (Japan) / Akihiko Shimizu (Japan) / Viney Jetty (India) / B. Hygriv Rao (India)
Keynote Lecture:
IS18-KL Current Status of Prevention of Sudden Cardiac Death
Morio Shoda (Japan)
Speakers:
IS18-1. Primary Prevention in Patients with Low LVEF
Yoshimori An (Japan)
IS18-2. Primary Prevention in Patients Without Low LVEF
Kwok-Keung Chan (Hong Kong)
IS18-3. Primary Prevention in Patients with Ion Channel Diseases
Daigo Yagishita (Japan)
IS18-4. Primary Prevention in Patients with Congenital Heart Disease
Sit Yee Kwok (Hong Kong)

Invited Symposium 19 (Device-3) 14:40-16:10
Prevention of AF in Device Patients—Role of Pacing Sites and Algorithm—
Chairpersons:
Yasuyu Inden (Japan) / Young Soo Lee (Korea) / M. Khalilullah (India) / Charles J. Love (United States)
Keynote Lecture:
IS19-KL Prevention of AF in Device Patients—Role of Pacing Sites and Algorithm—
Charles J. Love (United States)
Speakers:
IS19-1. Pacing Algorithm and Afib
Arisara Suwanagool (Thailand)
IS19-2. Pacing Site and Afib
Ritsuko Kohno (Japan)
IS19-3. Minerva Trial
Satoru Komura (Japan)
IS19-4. How to Prevent Afib in Patients with CIED
Yasushi Oginosawa (Japan)

Invited Symposium 20 (Device-4) 16:30-18:00
Upgrade to CRT: Indication, Efficacy, and Unsolved Problem
Chairpersons:
Yuji Nakazato (Japan) / Arun Chopra (India) / Karthigesan AM (India) / Sanjeev Saksena (United States)
Keynote Lecture:
IS20-KL Upgrade to CRT: Indication, Efficacy, and Unsolved Problem
Sanjeev Saksena (United States)
Speakers:
IS20-1. Predictors of Outcomes after CRT
Kuan-Hung Yeh (Taiwan)
IS20-2. CRT-D vs. CRT-P, Is There a Role for CRT-P?
Anil Saxena (India)
IS20-3. CRT Implantation for Patients with NYHA IV
Koji Fukuzawa (Japan)
IS20-4. Where to Place the Leads for the Best Outcomes Following CRT (RV and LV)
Wei Hua (China)

Invited Symposium 21 (Surgery-1) 11:20-12:50
Ventricular Tachycardia
Chairpersons:
Kazuhiro Satomi (Japan) / Ali Oto (Turkey) / Kolan- daisamy Chandrasekaran (India) / Hyung-Wook Park (Korea)
Keynote Lecture:
IS21-KL Catheter Ablation of Ventricular Tachycardia in Patients with Structural Heart Disease: Current Perspective
Ali Oto (Turkey)
Speakers:
IS21-1. Left vs Right Ventricular Arrhythmogenic Dysplasia: Presentation, Electrocardiography, and Management
Mohan Nair (India)
IS21-2. Localisation of VT Based on 12-LLAD-ECG
Niti Chadha (India)
Yuki Komatsu (Japan)
IS21-4. What’s New in SVT/VT Discrimination in ICD Patients
Wei-Shiang Lin (Taiwan)

Invited Symposium 22 (Surgery-2) 16:30-18:00
Surgery Related Unsolved and Upcoming Issues
Chairpersons:
Masatata Mitsuno (Japan) / Takashi Nitta (Japan) / Pow Li Chia (Singapore) / Kathy Lee (Hong Kong)
Keynote Lecture:
IS22-KL Afib Surgery: Overview
Masatata Mitsuno (Japan)
Speakers:
IS22-1. AF Ablation: Thoracoscopic AF Ablation for Long-standing Persistent AF
Dong Seop Jeong (Korea)
IS22-2. Rhythm Disturbances in Adult Congenital Heart Disease
Mei-Hwan Wu (Taiwan)
IS22-3. Peri Operative Management of Cardiac Implantable Electronic Devices
Pow Li Chia (Singapore)
IS22-4. Long-Term Results of MCG Map-Guide AF Surgery in Paroxysmal/Long-Standing Persistent AF Patients
Doo-Sang Kim (Korea)

Room 501
Invited Symposium 23 (AF-5) 14:40-16:10
Atrial Fibrillation and Stroke
Chairpersons:
Masaharu Akao (Japan) / T. Jared Bunch (United States) / Ju-Youn Kim (Korea) / Stephen Joseph (Australia)
Keynote Lecture:
IS23-KL Afib Ablation and Long-Term Stroke Rats
T. Jared Bunch (United States)
Speakers:
IS23-1. Silent Stroke in Atrial Fibrillation
Myung-Jin Cha (Korea)
IS23-2. Anticoagulation in Low Risk Group Atrial Fibrillation
Thorantis Charanrat (Thailand)
IS23-3. Stroke Prevention in High Bleeding Risk Patients
Boyoung Joung (Korea)
IS23-4. AF As Risk Marker or Risk Factor for Stroke/AF Type and Stroke Risk
Andrew Mcgavigan (Australia)

Invited Symposium 24 (AF-6) 16:30-18:00
Atrial Fibrillation as a 'Systemic Disease'
Chairpersons:
Yoshihisa Abe (Japan) / T. Jared Bunch (United States) / Niti Chadha (India) / Man Young Lee (Korea)
Keynote Lecture:
IS24-KL Atrial Fibrillation as a 'Lifestyle Disease'
T. Jared Bunch (United States)
Speakers:
IS24-1. Risk Factor Modification to Treat AF
Dennis Lau (Australia)
IS24-2. Renal Dysfunction and AF
Yoshinide Takahashi (Japan)
IS24-3. Risk and Prediction of Dementia in Patients with AF
Jo-Nan Liao (Taiwan)
IS24-4. Exercise Training for Patients with Atrial Fibrillation
Adrian Elliott (Australia)

Room 502
Invited Symposium 25 (VT-1) 11:20-12:50
Revisit of Brugada Syndrome (BS): From Genetics to Catheter Ablation – Conduction Abnormality vs. Repolarization Abnormality
Chairpersons:
Wataru Shimizu (Japan) / Yan Yao (China) / Hariharan Raju (Australia) / Koonlawee Nademanee (United States)
Keynote Lecture:
IS25-KL Revisit of Brugada Syndrome (BS): From Genetics to Catheter Ablation – Conduction Abnormality vs. Repolarization Abnormality
Koonlawee Nademanee (United States)
Speakers:
Yasuya Inden (Japan)
IS25-2. Risk Stratification in Patients with Brugada Syndrome
Yukiko Nakano (Japan)
IS25-3. Lessons from the Multicenter Survey on Arrhythmic Events in Brugada Syndrome (Sabrus) in 628 Patients
Bernard Belhassen (Israel)
IS25-4. RF Ablation of J Wave Syndrome
Namsik Yoon (Korea)

Invited Symposium 26 (VT-2) 14:40-16:10
How to Manage Failed Ablation VT Cases
Chairpersons:
Kazuhiro Satomi (Japan) / Geoffrey Lee (Australia) / TS Kler (India) / Gerhard Hindricks (Germany)
Keynote Lecture:
IS26-KL How to Manage Failed Ablation VT Cases
Gerhard Hindricks (Germany)
Speakers:
IS26-1. Management of VT Storm in Lvdysfunction
Balbir Singh (India)
IS26-2. Characteristics of Repeat Ablation Cases of VT in Structural Heart Disease: Experience and Management in Our Institute
Shiro Nakahara (Japan)
IS26-3. How to Manage Failed VT Ablation Cases: Experience of Kyushu Univ. Hospital
Yasushi Mukai (Japan)
IS26-4. Stellate Ganglionectomy in VT Storm
Amit Vora (India)

Invited Symposium 27 (VT-3) 16:30-18:00
VT Ablation in Non-Ischemic Unusual Substrate
Chairpersons:
Kyoko Soejima (Japan) / Gerhard Hindricks (Germany) / Vadagenalli Prakash (India) / Roderick Tung (United States)
Keynote Lecture:
IS27-KL VT Associated with ARVC/D
Yenn-Jiang Lin (Taiwan)
Speakers:
IS27-1. Catheter Ablation of VT in Various Non-Ischemic Cardiomyopathy
Saurabh Kumar (Australia)
IS27-2. Catheter Ablation of VT with DCM
Pasquale Santangeli (United States)
IS27-3. VT Ablation Outcome for Cardiac Sarcoidosis
Yukio Sekiguchi (Japan)
IS27-4. Tuberculosis VT
Calambur Narasimhan (India)

Room 503
General Symposium 1 11:20-12:50
Ablation Strategy of Long-Standing Persistent Atrial Fibrillation
Chairpersons:
Atsushi Takahashi (Japan)/Atul Verma (Canada)
Keynote Lecture:
GS1-KL Approaches to Catheter Ablation for Persistent Atrial Fibrillation
Atul Verma (Canada)
Speakers:
GS1-1. Ablation of Long-Lasting Persistent Atrial Fibrillation in Patients without Pulmonary Vein Re-Connection: Efficacy of Substrate Modification Ablation and Elimination of Non-PV Foci
Seiichiro Matsuo (Japan)
GS1-2. Five-Year Follow-Up Outcome after Catheter Ablation of Persistent Atrial Fibrillation Using a Sequential Bidirectional Atrial Substrate Modification
Shinsuke Miyazaki (Japan)
GS1-3. Left Atrial Voltage-Based Substrate Modification Ablation Strategy in Long-Standing Persistent Atrial Fibrillation (LS-PEAF)
Akira Fukui (Japan)
GS1-4. Interobserver Variations in Reading Maps of Atrial Fibrillation may Contribute to Variance in Ablation Outcome: Mapping Referenced to Sites of AF Termination
Albert J Rogers (United States)
GS1-5. New Strategy for Persistent and Long Persistent Atrial Fibrillation - Early Area Defragmentation (EADF) - Masatsugu Ohe (Japan)

Invited Symposium 28 (Basic/Genetic-3) 14:40-16:10
AF#1-Basic Research
Chairpersons:
Katsushige Ono (Japan)/Yi-Jen Chen (Taiwan)/Gang Liu (China)/Tetsushi Furukawa (Japan)
Keynote Lecture:
IS28-KL (TBD)
Tetsushi Furukawa (Japan)
Speakers:
IS28-1. Inflammatory Network Underlying the Pathogenesis of Atrial Fibrillation
Hiroshi Akazawa (Japan)
IS28-2. Atrial Ion Channel Remodeling Caused by Persistent Atrial Fibrillation: Roles of microRNAs
Katsushige Ono (Japan)

Invited Symposium 29 (SVT-1) 11:20-12:50
AVNRT Revisited
Chairpersons:
Kiyoshi Otomo (Japan)/Sofian Johar (Brunei)/Yui-Chi So (Hong Kong)/Warren M. Jackman (United States)
Keynote Lecture:
IS29-KL AVNRT Revisited
Warren M. Jackman (United States)
Speakers:
IS29-1. Atypical Fast-Slow Atrioventricular Nodal Reentrant Tachycardia Incorporating a “superior” Slow Pathway
Yoshiaki Kaneko (Japan)
IS29-2. Atypical AVNRT Revisited
Kiyoshi Otomo (Japan)
IS29-3. Clinical and Electrophysiologic Characteristics before and after Radiofrequency Ablation of Sustained Slow Atrioventricular Nodal Pathway Conduction
Jen-Yuan Kuo (Taiwan)
IS29-4. Zero Radiation in Catheter Ablation of AVNRT
Man-Chun Choi (Hong Kong)

Invited Symposium 30 (SVT-2) 14:40-16:10
Nightmare Cases: SVT
Chairpersons:
Koichiro Kumagai (Japan)/Jen-Che Hsieh (Taiwan)/Dujdak Sahasthas (Thailand)/Hiroshi Nakagawa (United States)
Keynote Lecture:
IS30-KL Nightmare Cases: SVT
Hiroshi Nakagawa (United States)
Speakers:
IS30-1. Multiple at Appers after Afib Ablation
Kikuya Uno (Japan)
IS30-2. Nightmare Cases: AVNRT
Sunny Po (United States)
IS30-3. Difficult Accessory Pathway Ablation
Yui-Chi So (Hong Kong)
IS30-4. Nightmare Cases: Accessory Pathway with Multicomponent Property
David Heaven (New Zealand)

Invited Symposium 31 (SVT-3) 16:30-18:00
Catheter Ablation of Supraventricular Tachycardia
Chairpersons:
Yoshiaki Kaneko (Japan)/Jayaprakash Shenthar (India)/Chia-Ti Tsai (Taiwan)/Zulkeflee Muhammed (Malaysia)
Keynote Lecture:
IS31-KL Unique Recordings of Coronary Sinus in Catheter Ablation of Supraventricular Tachyarrhythmias
Yoshiaki Kaneko (Japan)
Friday, September 15

Main Hall

Core Curriculum Session 1  8:30-10:00

Chairpersons:
Wee Siong Teo (Singapore)/Akihiko Shimizu (Japan)/Young-Hoon Kim (Korea)

Speakers:
CC1-1. The History of Cardioversion
Albert L. Waldo (United States)
CC1-2. Entrainment Characteristics of Atrial and Ventricular Tachycardia
Ken Okumura (Japan)
CC1-3. Para-Hisian Pacing to Differentiate the Mechanism of the Tachycardia
Kenzo Hirao (Japan)

Invited Symposium 32 (AF-7)  10:00-11:30

Cryoballoon Ablation for Atrial Fibrillation

Chairpersons:
Yukihiko Yoshida (Japan)/Hyung-Wook Park (Korea)/Atsushi Kobori (Japan)/Karl-Heinz Kuck (Germany)

Keynote Lecture:
IS32-KL Cryoballoon Ablation for Atrial Fibrillation
Karl-Heinz Kuck (Germany)

Speakers:
IS32-1. Adenosine Testing during Cryoballoon Ablation and Radiofrequency Ablation of Afib: A Propensity Score—Matched Analysis
Michifumi Tokuda (Japan)
IS32-2. Cryoballoon Ablation for Persistent AF
Andrei Catanich (Australia)
Shinsuke Miyazaki (Japan)
IS32-4. Patient Selection for Cryoballoon Ablation
Raymond Sy (Australia)

Core Curriculum Session 2  16:30-18:00

Invited Symposium 33 (Basic/Genetic-4)  8:30-10:00

Arrhythmias and Cardiomyopathy (DCM, HCM, Others)

Chairpersons:
Nobuhisa Hagiwara (Japan)/Christopher Semsarian (Australia)/Mien-Cheng Chen (Taiwan)/Michael J. Ackerman (United States)

Keynote Lecture:
IS33-KL Risk Stratification for Arrhythmic Events in Patients with HCM
Christopher Semsarian (Australia)

Approach to CRT Non-Responders

Chairpersons:
Haruhiko Abe (Japan)/Niraj Varma (United States)

Can Afib Ablation Reduce Embolic Strokes and Improve Prognosis?

Chairpersons:
Shu Zhang (China)/Tsu-Juey Wu (Taiwan)/Kazutaka Aonuma (Japan)

Speaker:
CC2-1. Long-Term Impact of Atrial Fibrillation and Stroke and Dementia Risk
T. Jared Bunch (United States)
CC2-2. The Current Evidence for AF Ablation Improving Stroke and Death Risk
Richard Schilling (United Kingdom)
CC2-3. Lesson from CABANA Study
Douglas Packer (United States)

Molecular Genetics Have Opened a New Era for Arrhythmia Research, but Also Pandora’s Box?

Chairperson: Tsuneaki Sugimoto (Japan)

Speaker:
Minoru Horie (Japan)

Arrhythmia Research

Keynote Lecture:
GS2-KL Approach to CRT Non-Responders
Niraj Varma (United States)

Speaker:
GS2-1. Predictors of Response to Cardiac Resynchronization Therapy (CRT)
Sce Thu Zar Win (Myanmar)
GS2-2. Don’t Expect Left Ventricular Reverse Remodeling after Cardiac Resynchronization Therapy in Patients with Systolic Heart Failure and Ativoventricular Block: A Multicenter Study
Akinori Sairaku (Japan)
GS2-3. Influence of Left Axis Deviation in Patients with Left Bundle Branch Block on the Response to Cardiac Resynchronization Therapy
Hideya Suehiro (Japan)
GS2-4. Effect of Functional Mitral Regurgitation by Echocardiography to Predict Outcome in Patients Receiving Cardiac Resynchronization Therapy
Han Jin (China)
GS2-5. Long-Term Outcome Following Cardiac Resynchronization Therapy with Triple-Site Ventricular Stimulation
Michio Ogano (Japan)

Kazuo Yamada Invited Lecture  15:15-16:15

Room 301

Core Symposium 2  13:30-15:00

Arrhythmias and Cardiomyopathy (DCM, HCM, Others)

Chairpersons:
Nobuhisa Hagiwara (Japan)/Christopher Semsarian (Australia)/Mien-Cheng Chen (Taiwan)/Michael J. Ackerman (United States)

Keynote Lecture:
IS33-KL Risk Stratification for Arrhythmic Events in Patients with HCM
Christopher Semsarian (Australia)
English Sessions

APHRS-HRS Joint Session 10:00-11:30

Lead Management and Extraction

Chairpersons:
Neil Strathmore (Australia) / Bruce L. Wilkoff (United States)

Speaker:
AH-1. Lead Management Issues: Abandon or Extract?
Neil Strathmore (Australia)

AH-2. Lead Management Issues: Special Considerations in the Young
Charles L. Berul (United States)

AH-3. Identification and Management of CIED Infection
Masahiko Goya (Japan)

AH-4. Lead Extraction: Techniques and Follow-Up
Charles Erik Helgo Kennergren (Sweden)

JHRS-EHRA Joint Session 15:00-16:30

Novel Diagnostic and Therapeutic Strategies of Atrial Fibrillation

Chairpersons:
Alan John Camm (United Kingdom) / Hirotugu Atarashi (Japan)

Speakers:
JE-1. Epicardia Adipotissue and Atrial Fibrillation
Naohiko Takahashi (Japan)

JE-2. Genetics of Atrial Fibrillation
Connie Bezzina (Netherlands)

JE-3. Implantable Loop Recorders to Detect Atrial Fibrillation
Angelo Auricchio (Switzerland)

JE-4. Efficacy of Left Atrial Appendage Closure with the Watchman Device
Boris Schmidt (Germany)

JE-5. Ideal Oral Anticoagulant Therapy
Takanori Ikeda (Japan)

Invited Symposium 34 (Pharmacological Therapy-3) 10:00-11:30

Periprocedural Antiarrhythmic Drug Use in Patients Undergoing Catheter Ablation for Atrial Fibrillation

Chairpersons:
Eiichi Watanabe (Japan) / Young Keun On (Korea) / Yoo Ri Kim (Korea) / Andreas Goette (Germany)

Keynote Lecture:
IS34-KL Upstream Therapy to Improve Outcome of Catheter Ablation
Andreas Goette (Germany)

Speakers:
IS34-1. Hybrid Therapy with AAD and PV Isolation for Atrial Fibrillation
Koichiro Kumagai (Japan)

IS34-2. Catheter Ablation for Persistent AF Which Acts as Paroxysmal AF after Antiarrhythmic Drug Therapy
Young Keun On (Korea)

IS34-3. Role of AADS in AF Ablation
Wanwarang Wongcharoen (Thailand)

IS34-4. Hybrid Therapy with AAD and Ablation in AF Patients Associated with Chronic Heart Failure
Yasuya Inden (Japan)
Invited Symposium 35 (Pharmacological Therapy-4) 13:30-15:00

Specific Pharmacological Therapy for Inherited Arrhythmias

Chairpersons:
Kengo Kusano (Japan) / Alex Mclellan (Australia) / Myung Chul Hyun (Korea) / Michael J. Ackerman (United States)

Keynote Lecture:
IS35-KL Specific Pharmacological Therapy for Inherited Arrhythmias
Michael J. Ackerman (United States)

Speakers:
IS35-1. Pharmacological Therapy in Patients with LQT
Jean-Jacques Schott (France)
IS35-2. Pharmacological Therapy in Patients with J-Wave Syndromes
Hidekazu Kondo (Japan)
IS35-3. Pharmacological Therapy in Patients with AVRC
Seiko Ohno (Japan)
IS35-4. Pharmacological Therapy in Patients with CPVT
Naokata Sumitomo (Japan)

New Mapping Systems for Atrial Fibrillation

Chairpersons:
Ken Okumura (Japan) / Wee Siong Teo (Singapore) / Michael Wong (Australia) / Douglas Packer (United States)

Keynote Lecture:
IS36-KL Incidence and Significance of Early Recurrences of Afib after Cryoballoon Ablation Insights from the STOP AF Trial
Douglas Packer (United States)

Speakers:
IS36-1. Real-Time Phase Mapping in Patients with Persistent AF
Yenn-Jiang Lin (Taiwan)
IS36-2. Remote Navigation and Ablation of Atrial Fibrillation
Wee Siong Teo (Singapore)
IS36-3. Mapping and Ablation of Afib with Rhythmia
Yasuaki Tanaka (Japan)
IS36-4. Electroanatomical Mapping Using "Confidence" Mapping for Afib
Mauricio Arruda (United States)

Invited Symposium 36 (AF-8) 15:00-16:30

Inherited Arrhythmia Syndromes: From Bench to Bedside

Chairpersons:
Wataru Shimizu (Japan) / Charles Antzelevitch (United States)

Keynote Lecture:
IS37-KL Silent Cerebral Events/Lesions Related to Afib Ablation: A Clinical Review
Teiichi Yamane (Japan)

Speakers:
IS37-1. How to Avoid Esophageal Injury?
Tachapong Ngarmukos (Thailand)
IS37-2. Late Occurrence of PV Stenosis after Post Cryoablation
Antonio Raviele (Italy)
IS37-3. How to Avoid Phrenic Nerve Injury during AF Ablation
Christopher Piorowski (Germany)
IS37-4. Predictors of Pericardial Effusion In J-CARAF Study
Yuji Murakawa (Japan)

Invited Symposium 38 (Basic/Genetic-5) 10:00-11:30

Circadian Rhythm/Autonomic Nervous System and Arrhythmias

Chairpersons:
Masahiro Ogawa (Japan) / Hung-Fat Tse (Hong Kong) / Nam-Ho Kim (Korea) / Peng-Sheng Chen (United States)

Keynote Lecture:
IS38-KL Autonomic Nervous Activities and Heart Rate Variability
Peng-Sheng Chen (United States)

Speakers:
IS38-1. Sympathetic Nerve Activities and Ventricular Arrhythmias
Shien-Fong Lin (Taiwan)
IS38-2. Autonomic Nerve Activities and Atrial Arrhythmias
Eue-Keun Choi (Korea)
IS38-3. Brain Angiotensin II Related Sympathetic Activities and Atrial Fibrillation
Takuya Kishi (Japan)
IS38-4. Vagal Nerve Activities and Cardioprotection
Alexander V. Gourine (United Kingdom)

Invited Symposium 39 (Basic/Genetic-6)  15:00-16:30
ARVC: Up-to-Date
Chairpersons:
Yuji Murakawa (Japan) / Diane Fatkin (Australia) / Yen-Bin Liu (Taiwan) / Hugh Calkins (United States)

Keynote Lecture:
IS39-KL Overview of the Treatment of ARVC
Hugh Calkins (United States)

Speakers:
IS39-1. ARVC and Unexplained Cardiac Arrest Syndrome
Jitendra Vohra (Australia)
IS39-2. Catheter Ablation of ARVC
Kazunori Satomi (Japan)
IS39-3. Genetic Background of ARVC
Seiko Ohno (Japan)
IS39-4. Long-Term Follow-Up of Asian Patients with ARVC
Cheng-Hung Li (Taiwan)

Cutting Edge of Genomic Research:
GWAS, NGS, and Others

Chairpersons:
Seiko Ohno (Japan) / Christopher Semsarian (Australia) / Naomasa Makita (Japan) / Connie Bezzina (Netherlands)

Keynote Lecture:
IS40-KL Genomics in Clinical Cardiology Practice
Christopher Semsarian (Australia)

Speakers:
IS40-1. GWAS
Connie Bezzina (Netherlands)
IS40-2. Exome Analyses of Long QT Syndrome
Toshihiro Tanaka (Japan)
IS40-3. Panel Analysis
Jyh-Ming Jimmy Juang (Taiwan)
IS40-4. GWAS-Identified New Loci Provided an Evidence about the Potential Involvement of Axon Guidance in AF Pathogenesis
Kaoru Ito (Japan)

Room 304
Invited Symposium 41 (Device-5)  16:00-17:30
Management of Non-Responder to CRT
Chairpersons:
Takashi Kurita (Japan) / Anil Saxena (India) / Angelo Auricchio (Switzerland) / Vincent Paul (Australia)

Keynote Lecture:
IS41-KL Management of Non-Responder to CRT
Angelo Auricchio (Switzerland)

Speakers:
IS41-1. Multipoint Pacing in the Left Ventricle
Vanita Arora (India)
IS41-2. Determinants of Potential Nonresponders of CRT
Shingo Sasaki (Japan)

IS41-3. Management of CRT Nonresponders (Device Related:
Lead Position, Optimization, Etc.)
Michio Ogo (Japan)
IS41-4. Management of CRT Nonresponders (Arrhythmia Induced, Medication, Etc.)
Vincent Paul (Australia)

Educational Lecture 1  13:30-14:30
Expert Teaching
Chairperson:
Tetsunori Saikawa (Japan)

Speakers:
EL1-1. 12-Lead ECG Localization of Premature Ventricular Complexes
Shoei K. Stephen Huang (United States)
EL1-2. Treatment of Arrhythmias in Advanced Heart Failure
Andrew Epstein (United States)

Clinical Characteristics and Management of Electrical Storm 15:00-16:30
Focusing on the Disease Specificity
Chairpersons:
Karl-Heinz Kuck (Germany) / Takashi Kurita (Japan) / Jiunn-Lee Lin (Taiwan)

Speakers:
ESS-1. ES in Structural Heart Disease (Both Ischemic and Non-Ischemic CM) after ICD Implantation
Kalyanam Shivkumar (United States)
ESS-2. ES in ARVC
Wei Hua (China)
ESS-3. ES in Cardiac Sarcoidosis
Koji Fukuda (Japan)
ESS-4. ES in Acute or Subacute Phase of Myocardial Infarction
Yoshinori Kobayashi (Japan)
ESS-5. ES in Idiopathic Ventricular Fibrillation Including Brugada Syndrome and J Wave Syndrome
Yoshiaki Kaneko (Japan)

Invited Symposium 42 (Device-6)  16:30-18:00
Left Atrial Appendage Interventions for Thromboembolic Complications in Atrial Fibrillation: Endocardial, Epicardial or Surgical Approach
Chairpersons:
Mitsuharu Kawamura (Japan) / Jiangang Zou (China) / Congxin Huang (China) / Vivek Reddy (United States)

Keynote Lecture:
IS42-KL Percutaneous LAA Closure: Current State of the Art
Vivek Reddy (United States)

Speakers:
IS42-1. LAA Ligation
Mitsuharu Kawamura (Japan)
IS42-2. Combined Catheter Ablation for AF and Watchman Implant Procedures: Outcomes from Single Centres and Multicentre Registries
Karen P Phillips (Australia)
IS42-3. LAA Isolation Using Percutaneous Devices
Luigi Di Biase (United States)
Invited Symposium 44 (SCD-5) 13:30-15:00
Best Strategy of Prevention of Sudden Cardiac Arrest due to Coronary Vasospasm
Chairpersons:
Kazuo Usuda (Japan) / Joseph Morton (Australia) / Mitsuhiro Nishizaki (Japan) / Sanjeev Saksena (United States)
Keynote Lecture:
IS44-KL Prognostic Stratification of Patients with Vasospasm
Yusuke Takagi (Japan)
Speakers:
IS44-1. Risk Markers for Life-Threatening Arrhythmias Leading to Sudden Cardiac Arrest in Patients with Vasospastic Angina
Mitsuhiro Nishizaki (Japan)
IS44-2. Masked Electrical Disorder in Patients with Sudden Cardiac Arrest Associated with Vasospasm
Ki Hong Lee (Korea)
IS44-3. Do All Patients Resuscitated from Cardiac Arrest due to Coronary Artery Spasm Require ICD Implantation?
Koji Fukuda (Japan)
IS44-4. ICD Implantation for Patients Resuscitated from Cardiac Arrest due to Vasospasm in China
Keping Chen (China)

Invited Symposium 45 (SCD-6) 15:00-16:30
Role of Wearable Cardioverter Defibrillator in SCD Prevention
Chairpersons:
Yusuke Kondo (Japan) / Paul Gould (Australia) / Daniel Chong (Singapore) / Christian Veltmann (Germany)
Keynote Lecture:
IS45-KL Role of Wearable CD: Overview
Christian Veltmann (Germany)
Speakers:
IS45-1. Potential Roles of WCD in Acute Phase Care of Patients at High Risk of Sudden Cardiac Death
Shingo Sasaki (Japan)
IS45-2. Usefulness of the WCD in Patients in the Early Post-Myocardial Infarction Phase
Yusuke Kondo (Japan)
IS45-3. Utility of WCD on Newly Diagnosed Cardiomyopathy
Joshua M. Cooper (United States)
IS45-4. WCD for Prevention of SCD after Infected ICD Removal
Shinichi Niwano (Japan)

Invited Symposium 46 (Pediatric-2) 16:30-18:00
Pediatric ICD/CRT
Chairpersons:
Tsugutoshi Suzuki (Japan) / Andreas Pflaumer (Australia) / Mohan Nair (India) / Paweena Chungsomprasong (Thailand)
Keynote Lecture:
IS46-KL ICD and CRT in Pediatric Patients
Andreas Pflaumer (Australia)
### Oral Presentation 14

**Room 413**

**Room 413**

**SCD-1**

**Chairpersons:**
- Akihiro Yoshida (Japan) / June Namgung (Korea) / Sirin Apiyasawat (Thailand)

**Speakers:**
- **O14-1.** Notched QRS for the Assessment of Fatal Ventricular Arrhythmia in Patients with Vasospastic Angina
  - Yoshihiko Sato (Japan)
- **O14-2.** Increased Heart Rate Recovery during Exercise Treadmill Testing Accented Type 1 Pattern of Brugada Electrocardiogram; Possible Modality for Detecting Brugada Syndrome
  - Bonpei Takase (Japan)
- **O14-3.** QT Dispersion and QT Peak to End Interval as Predictors of Sudden Cardiac Death in Hemodialyzed Patients with End-Stage Renal Disease
  - Hyunjin Lee (Korea)
- **O14-4.** Relation of Increased Short-Term Variability of QT Interval to Cardiac Dysfunction
  - Masashi Kasao (Japan)
- **O14-5.** Daytime Rather Than Nighttime Pause is Associated with Mortality in Long-Term Follow-Up
  - Chih-Min Liu (Taiwan)
- **O14-6.** Impact of PR Deviation on 12-Leads Electrocardiography for Predicting Acute Prognosis of Takotsubo Cardiomyopathy
  - Masato Shimizu (Japan)
- **O14-7.** The Relationship of Heart Rate Turbulence to Corrected QT Interval in Patient with Diabetes
  - Takashi Kikuchi (Japan)

### Oral Presentation 15

**Oral Presentation 15**

**Inherit-1**

**Chairpersons:**
- Hiroshi Morita (Japan) / June Namgung (Korea) / Chee Wan Lee (Singapore)

**Speakers:**
- **O15-1.** Significant Delayed Activation at Right Ventricular Outflow Tract Causes Upward Electrical Axis of the Right Ventricle and Complete Right Bundle Branch Block in Brugada Syndrome
  - Yoshisa Morimoto (Japan)
- **O15-2.** Predicting Value of Programmed Ventricular Stimulation in Vietnamese Patients
  - An Khanh Nu Ton (Viet Nam)
- **O15-3.** Quinine for the Treatment of Electrical Storm and Prevention of Recurrent Shocks in Brugada Syndrome
  - Jayaprapak Shenthar (India)
- **O15-4.** ACNSA Expression was Reduced in Brugada Syndrome Patients without the SCNSA Exonic Mutation.
  - Naoya Hironobe (Japan)
- **O15-5.** Long-Term Clinical Outcomes of Implantable Cardioverter-Defibrillator for Primary Prevention of Sudden Cardiac Death
  - Sukkyu Oh (Korea)

### Oral Presentation 16

**Oral Presentation 16**

**Basic-2**

**Chairpersons:**
- Haruo Honjo (Japan) / José Jalife (United States) / Yung-Hsin Yeh (Taiwan) / Yen-Yu Lu (Taiwan)

**Speakers:**
- **O16-1.** Cell-Free DNA Released from Atrial Cardiomyocytes Promotes Pro-Inflammatory Cytokine IL-6 Expression in Macrophages
  - Masahiro Yamazoe (Japan)
- **O16-2.** The Delivery of miR-1 or miR-133 Using Blood-Derived Exosome Effects Ca2+ Release in Two Arrhythmia Models
  - Hyelim Park (Korea)
- **O16-3.** MIr-1-3P and MIr-27A can Serve as Hallmarks for Pathogenesis Specificity between HCM and DCM.
  - Meng Meng Li (China)
- **O16-4.** Cardiac-Specific Dopamine D5 Receptor Deficiency Causes Dilated Cardiomyopathy Through ROS Generation and Activation of PKG ERK1/2/AKT in Cardiomyocytes
  - Xiaoliang Jiang (China)
- **O16-5.** Gene-Based Risk Stratification for Cardiac Disorders in LMNA Mutation Carriers
  - Suguru Nishiuchi (Japan)

### Oral Presentation 17

**Oral Presentation 17**

**VT-9**

**Chairpersons:**
- Shiro Nakahara (Japan) / Vadagenalli Prakash (India) / Hariharan Raju (Australia)

**Speakers:**
- **O17-1.** Impact of Infarct Scar Tissue and Myocardial Fiber Orientation on Lesion Created by a Novel Heated Saline Enhanced Radiofrequency Needle-Tip Catheter: MRI Lesion Validation Study.
  - Atsushi Suzuki (United States)
- **O17-2.** Myocardial Calcification Detected by Cineangiography is a Useful Tool to Identify Patients who may Benefit from an Epicardial Approach in Post-Infarct Ventricular Tachycardia Ablation
  - Yoshihisa Naruse (Netherlands)
- **O17-3.** Location of the Ectopic Focus as a Determinant of Coupling Interval Variation in Ventricular Premature Contractions
  - Kan Takayanagi (Japan)
O17-4. Minimally Invasive Direct Radiofrequency Catheter Ablation for Refractory Ventricular Tachycardia after Aortic Valve Replacement
Shingo Maeda (Japan)
O17-5. A Rare Case of Pre-Excited Atrial Fibrillation in an Hypothyroid Elderly Woman
Patrick WJ Tiau (Malaysia)
O17-6. Incessant Fascicular Ventricular Tachycardia Leading to Myocardial Stunning and Reversible Severe Left Ventricular Dysfunction
Patrick WJ Tiau (Malaysia)

O17-4. Graphene Sheet-Induced Global Maturation of Cardiomyocytes Derived from Human Induced Pluripotent Stem Cells
Chang Cui (China)
O17-5. Neuroendocrine Modulation following Left Atrial Appendage Exclusion Increases Ventricular Arrhythmogenesis
Yu-Hui Chou (Taiwan)

Oral Presentation 20
17:00-18:00

Monitoring-1
Chairpersons:
Ritsuko Kohno (Japan) / Tai-Ho Rho (Korea) / Vincent Paul (Australia)

Speakers:
O20-1. Incidence, Causes, and Clinical Outcomes of Biventricular Pacing Loss in Patients with Cardiac Resynchronization Therapy: A Western Australian Experience
David EC Chieng (Australia)
O20-2. Improved Outcome with Remote Monitoring for Advanced Heart Failure Patients Implanted with Cardiac Resynchronization Therapy Devices and Cardioverter Defibrillator
Katherine Fan (Hong Kong)
Naoya Hironobe (Japan)
O20-4. Prevalence of De Novo Atrial Fibrillation after Isolated Surgical Aortic Valve Replacement in Severe Aortic Stenosis
Youmi Hwang (Korea)
O20-5. Are New Transfemoral- And Transapical- Catheter-Valves Indicators for lower Rates of Post-Procedural Pacemaker-Implantation?
Gerhard Goebel (Germany)
O21-4. Risk Factor Profile and Management of Patients with Chronic Kidney Disease and Newly Diagnosed Atrial Fibrillation in Asia: Results from Garfield-AF
Shinichi Goto (Japan)

O21-5. The CHA2DS2-VASc Score for Truly Low Risk of Stroke in Asian Patients with Non-Valvular Atrial Fibrillation: A Korean Nationwide Sample Cohort Study
Tae-Hoon Kim (Korea)

O21-6. Rhythm Control Strategy Better Decreases the Risk of Dementia than Rate Control Strategy in Patients with Atrial Fibrillation
Jiunncherng Lin (Taiwan)

O21-7. Relationship between the Recurrence of Atrial Fibrillation and Atrium Conduction Time
Shinya Sugiura (Japan)

Pediatric-1
Chairpersons: Keiko Toyohara (Japan) / J. Philip Saul (United States) / Jae-Kon Ko (Korea)
Speakers:
O22-1. Landiolol Hydrochloride Infusion for Treatment of Intractable Tachyarrhythmia in Pediatric Patients. Noriyasu Ozaki (Japan)
O22-2. Characteristics and Reference Values of Electrocardiographic Findings in Children and Adolescents. Mari Iwamoto (Japan)
O22-3. <Withdrawal>
O22-4. Accuracy of Electrocardiogram in Detecting Cardiac Chamber Enlargement and Hypertrophy in Children. Wittayathorn Pornsirirapham (Thailand)

Oral Presentation 22 9:30-10:30

VT-3
Chairpersons: Ritsushi Kato (Japan) / Kurt Roberts-Thomson (Australia) / Sung Il Im (Korea)
Speakers:
O23-1. Long-Term Outcome after Ventricular Tachycardia Ablation Based on Late Potential Abolition and VT Noninducibility in Non-Ishemiic Cardiomyopathy. Kenji Okubo (Italy)
O23-2. Periprocedural Complication in Patients Undergoing Catheter Ablation of Atrial Fibrillation without Warfarin and DOAC Discontinuation. Toshiya Kojima (Japan)
O23-3. Early Cardiac Sarcomidosis: Clinical Features, Diagnosis, Management and Medium-Term Outcomes. Jayaprakash Shenthar (India)

O23-5. Granulomatous Cardiomyopathy Presenting Mainly with Arrhythmias-Long-Term Study of a Large Cohort. Vishnu H. Bhute (India)

Featured Research Session 1 13:30-14:50
Basic
Chairpersons: Wataru Shimizu (Japan) / Charles Antzelevitch (United States) / Dobromir Dobrev (Germany) / Dan Hu (United States)
Keynote Lecture:
FRS1-KL J Wave Syndromes As a Cause of Sudden Cardiac Death. Charles Antzelevitch (United States)
Speakers:
FRS1-1. Acetylation Three Lysine Residues in hERG Plays a Pivotal Role for Enhancement of its Channel Expression and Function via Inhibition of HDAC6. Peili Li (Japan)
FRS1-2. Role of ERK1/2 HSF1 HSP70 Pathway for Uric Acid-Induced Stabilization of Kv1.5 Protein in Atrial Myocytes. Fikri Taufiq (Japan)
FRS1-3. The Role of Nicotinamide Phosphoribosyltransferase (NAMPT) in the Pathogenesis of Atrial Fibrillation. Duo Feng (Japan)
FRS1-4. Atrial Fibrillation Case Only GWAS of Stroke. Yusuke Ebana (Japan)
FRS1-5. Angiotensin 1-7 Modulates Electrophysiological Characteristics and Calcium Homeostasis in Pulmonary Vein Cardiomyocytes via Mas/PI3K/eNOS Signaling Pathway. Yen-Yu Lu (Taiwan)

Oral Presentation 24 14:50-15:50
Pharm-3
Chairpersons: Tsuyoshi Shiga (Japan) / Ying-Hsiang Lee (Taiwan) / Samuel Levy (France)
Speakers:
O24-1. Assessment of Bleeding Risk for Oral Anticoagulant Treatment in Non-Severely Frail Octogenarians with Atrial Fibrillation. Masaya Shinohara (Japan)
O24-2. Role of Anticoagulation in Atrial Fibrillation on Dementia: A Systematic Review. Leslie Lew (Australia)
O24-3. Analysis of the Difference in the Maintenance Mechanism between Paroxysmal and Persistent Atrial Fibrillation: Effect of Subsequent Stepwise Catheter Ablation. Shozo Kaneko (Japan)
O24-4. First Steps Initial Evaluation of the Effectiveness of Catheter Based Radio Frequency Ablation of Atrial Fibrillation In Vietnam. Linh Tran Pham (Viet Nam)
O24-5. Effect of Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers Therapy on the Prevention of New-Onset Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy
Chen-Yu Huang (Taiwan)

Oral Presentation 25
15:50-16:50

Syncope-1

Chairpersons:
Masataka Sumiyoshi (Japan) / Richard Sutton (United Kingdom) / Karthigesan AM (India)

Speakers:
O25-1. 24-Hour Heart Rate Variability in Subjects with Postural Orthostatic Tachycardia Syndrome (Pots)
Ainsley CJ Goff (Australia)
O25-2. Identification of Atrial Fibrillation Associated MicroRNAs in Left and Right Atrial of Rheumatic Mitral Valve Disease Patients
Yang Yan (China)
O25-3. Influence of Syncope on Workers
Yumi Katsume (Japan)
O25-4. Pulmonary Vein Isolation has a Beneficial Effect on Reflex Syncope (Mixed Type) in Patients with Paroxysmal Atrial Fibrillation
Makoto Ono (Japan)
O25-5. Elder Patients with Paroxysmal Atrial Fibrillation Need Permanent Pacing after Pacemaker Implantation
Kenki Ashida (Japan)

Oral Presentation 26
17:00-18:00

CHF-1

Chairpersons:
Shinichi Niwano (Japan) / Kwok-Keung Chan (Hong Kong) / Hwan-Cheol Park (Korea)

Speakers:
O26-1. Exercise Training Improves Cardiac Function through Modulation of the Autonomic Nervous System Imbalance in Myocardial Infarction Mice
Rujie Qin (Japan)
O26-2. Effects of Minimally Interrupted Direct Oral Anticoagulants on the Intensity of Anticoagulation during Atrial Fibrillation Ablation
Masahiro Mizobuchi (Japan)
O26-3. (Withdrawal)
O26-4. A Multicentre Experience of Novel Anticoagulation and Warfarin for Use for Stroke Prevention in Atrial Fibrillation
Darwina Bolkim (Malaysia)
O26-5. Catheter Ablation versus Medical Rate Control in Heart Failure: An MRI Guided Multicentre Randomised Controlled Trial (Camera-MRI Trial)
Sandeep Prabhu (Australia)

Oral Presentation 27
8:00-9:30

AF-3

Chairpersons:
Masataka Mitsuno (Japan) / Tomos Walters (Australia) / Andrei Catanchin (Australia)

Speakers:
O27-1. Addition of a Statin to Warfarin Reduced Thromboembolic Events in Japanese Patients with Nonvalvular Atrial Fibrillation and Diabetes Mellitus
Naoko Kumagai (Japan)
O27-2. Carotid Artery Disease and Risk of Ischemic Stroke or Cardiovascular Events in Patients with Atrial Fibrillation
Yun Gi Kim (Korea)
Tomoyuki Nakanishi (Japan)
O27-4. Clinical Outcome of Atrial Flutter with and without Anticoagulation Therapy- A National Cohort Study
Yung-Lung Chen (Taiwan)
O27-5. Impact of Pulmonary Dysfunction for Ablation of Atrial Fibrillation
Shinji Ishikawa (Japan)
O27-6. Pitfalls of Air Bubble Entering during Left Atrial Catheter Ablation Procedures
Mitsuru Takami (Japan)
O27-7. Efficacy and Safety of Figure-Of-Eight Suture for Hemostasis after Radiofrequency Catheter Ablation for Atrial Fibrillation
Masato Okada (Japan)

Oral Presentation 28
9:30-10:30

CRT-2

Chairpersons:
Mitsuharu Kawamura (Japan) / Ming-Ho Wong (Hong Kong) / Karen P Phillips (Australia)

Speakers:
O28-1. Vectorcardiographic QRS Area was Associated with Bundle Branch Block Pattern in Patients who Underwent Cardiac Resynchronization Therapy
Tomoyuki Kabutoya (Japan)
O28-2. Prognosis of Japanese Patients with Cardiac Resynchronization Therapy with Defibrillator for Primary Prevention of Sudden Cardiac Death
Ryo Ito (Japan)
O28-3. HF Hospitalisation Reduction and Cost Savings Achieved by Improved Delivery of Effective Biventricular Pacing: Economic Implications of the OLE Study under the Australian Setting
Antonio Hernandez-Madrid (Spain)
O28-4. The Role of Interventricular Delay to Predict Clinical Outcomes with Cardiac Resynchronization Therapy
Michael R Gold (United States)
O28-5. The Discordance between Delayed Contraction Site and Pacing Site of Left Ventricle in Patients with Cardiac Resynchronization Therapy
Kenki Ashida (Japan)

Oral Presentation 29
10:30-11:30
ImpExt

Chairpersons:
Nobuhiro Nishii (Japan) / Satchana Pumprueg (Thailand) / Amitabh Yaduvanshi (India)

Speakers:
O29-1. Subcutaneous Transfemoral Pacing: A Feasible Method for Pacing Support when Avoiding the Chest and Neck Region is Necessary.
Nigel Lever (New Zealand)
Michio Nagashima (Japan)
O29-3. Perioperative Management of Patients Undergoing Lead Extraction for CRT Device Infection
Mitsuru Wada (Japan)
O29-4. A 15-Year Experience of Cardiac Device and Lead Extraction from Saudi Arabia
Alwaleed Aljohar (Saudi Arabia)
O29-5. Histological Characteristics of the Right-Side Intracardiac Mass with Cardiac Implantable Electric Device: Retrospective Study
Yasuo Miyagi (Japan)

Device
13:30-14:50

Chairpersons:
Akihiko Shimizu (Japan) / Chin Pang Chan (Hong Kong) / Suneet Mittal (United States)

Keynote Lecture:
FRS2-KL Leadless Pacemakers and His Bundle Pacing
Suneet Mittal (United States)

Speakers:
FRS2-1. Electrophysiological Substrate Ablation in the Left Atrium during Sinus Rhythm for the Treatment of Non-Paroxysmal Atrial Fibrillation the Stable-Sr Randomized Clinical Trial
Minglong Chen (China)
FRS2-2. An Observational Prospective Cohort for Comparison Study of Drugs for Symptom Control and Complication Prevention of Atrial Fibrillation in Korea (Code-AF): Design and Rationale
Tae-Hoon Kim (Korea)
FRS2-3. Feasibility and Clinical Outcomes of His Bundle Pacing to Correct Left Bundle Branch Block in Heart Failure Patients
Weijian Huang (China)
FRS2-4. Safety and Efficacy of the Subcutaneous ICD in Patients with Brugada Syndrome
Maria Grazia Bongjorni (Italy)
FRS2-5. Acute and Chronic Retrieval of a Leadless Cardiac Pacemaker from the Right Ventricle
Martin C. Burke (United States)

Tachy-1
14:50-15:50

Chairpersons:
Masahiko Takagi (Japan) / Arisara Suwanagool (Thailand) / Rohan Gunawardena (Sri Lanka)

Speakers:
O30-1. Efficacy and Safety of the Subcutaneous Cardioverter-Defibrillator in Patients at High Risk for Sudden Cardiac Death: Single-Center Initial Japanese Experience
Yuji Ishida (Japan)
O30-2. Impact of Electrocardiogram Screening during Drug Challenge Test for the Prediction of T-Wave Oversensing by a Subcutaneous Implantable Cardioverter Defibrillator in Patients with Brugada Syndrome
Tsukasa Kamakura (Japan)
O30-3. Usefulness of Intensive Electrocardiogram Screening for S-ICD to Avoid Inappropriate Shocks
Makoto Nakano (Japan)
O30-4. Combination Therapy of the Subcutaneous ICD and the Pacemaker with Epicardial Right Ventricular Lead: A First Case Report in Japan
Hiroaki Tabata (Japan)
O30-5. Prognostic Value of Serum Chloride Level in Patients with Implantable Cardioverter Defibrillator
Masato Kawasaki (Japan)

Brady-3
15:50-17:05

Chairpersons:
Toshiko Nakai (Japan) / Katherine Fan (Hong Kong) / Vikas Kataria (India)

Speakers:
O31-1. Atrial High Rate Episodes Associate with Adverse Outcomes in the Elderly, but not in the Younger, Population
Hiroshi Kawakami (Japan)
O31-2. Prognostic Implication of Moderately Reduced Ejection Fraction and Heart Failure with Preserved Ejection Fraction in Patients Requiring Pacemaker Implantation
Kazuto Hayasaka (Japan)
O31-3. The Clinical Usefulness and Feasibility of His Bundle Pacing in Patients with AV Block
Keihiro Nakamura (Japan)
O31-4. Cardiac Resynchronization Therapy Improved the Clinical Outcomes in Pacemaker Patients Upgraded To Biventricular Device
Han Jin (China)
O31-5. Assessment of Left Ventricular Systolic Dysfunction and Cardiac Dyssynchrony in Patients With Permanent Right Ventricular Outflow Tract and Apical Pacings
Dang VIET Duc (Viet Nam)
O31-6. Use of Closed Loop Stimulation (CLS) Algorithm for Reduction Atrial Tachyarrhythmia
Chinkeong, Gary Lee (Malaysia)
Oral Presentation 32 17:05-18:20

AF-7
Chairpersons:
Yuji Okuyama (Japan) / Rajiv Mahajan (Australia) / Nazar Luqman Bilgrami (Brunei)
Speakers:
O32-1. The Impact of Non-Pulmonary Vein Ectopic Beats without Triggering Atrial Fibrillation on the Outcomes after Pulmonary Vein Isolation
Kosuke Aoki (Japan)
O32-2. Clinical Implication of DC Cardioversion before Catheter Ablation in Patients with Persistent Atrial Fibrillation
Kazuki Mori (Japan)
O32-3. Pulmonary Vein Antrum Modification by Cryo-Balloon In Addition to Substrate Ablation Procedures may be Effective for Patients with Recurrent Atrial Tachyarrhythmias after Multiple Sessions
Dai Inagaki (Japan)
O32-4. Accuracy of Detecting Reconduction Site after Cryo-Balloon Ablation by Using Delayed Enhancement Magnetic Resonance Imaging
Jun Kurose (Japan)
Takatoshi Shigeta (Japan)
Yasuaki Tanaka (Japan)

Oral Presentation 33 8:00-9:30

VT-2
Chairpersons:
Tomoo Harada (Japan) / Kolandaisamy Chandrasekaran (India) / Kyoung-Min Park (Korea)
Speakers:
O33-1. The Electrophysiological Characteristic of Bundle Branch Reentry Ventricular Tachycardia in Patients without Structural Heart Disease
Hongwu Chen (China)
O33-2. Multi-Approaches to Terminate ICD Storms
Kai Gu (China)
O33-3. “Notched-R” Pattern in VSR Lead is a Sign of Difficulty during Radiofrequency Catheter Ablation of Idiopathic Outflow Tract Ventricular Arrhythmias
Miyako Igarashi (Japan)
O33-4. Nonspecific St-Segment and T-Wave Abnormalities and Risk of Atrial Fibrillation; A Longitudinal Follow-Up Data from a General Ambulatory Korean Population
Minsoo Cho (Korea)
O33-5. A Low Prevalence of Patients with Reduced Left Ventricular Ejection Fraction and Left Bundle Branch Block in Taiwan
Hui-Chun Huang (Taiwan)

Oral Presentation 34 9:30-10:30

SVT-1
Chairpersons:
Toru Oe (Japan) / Warangkna Boonyapisit (Thailand) / Dennis Lau (Australia)
Speakers:
O34-1. Use of Premature Ventricular Extrastimuli from Both Apex and Base during Supraventricular Tachycardia to Differentiate Atrivoventricular Nodal Reentrant Tachycardia from Orthodromic Reciprocating Tachycardia
Hiroyuki Ito (Japan)
O34-2. Uncontrolled Blood Pressure as a Predictor of Left Atrial Remodeling and Adverse Clinical Outcome in Patients with Paroxysmal Atrial Fibrillation
Masashi Kamioka (Japan)
O34-3. The Impact of National Health Insurance Coverage of Non-Vitamin K Antagonist Oral Anticoagulants in Patients with Non-Valvular Atrial Fibrillation in South Korea: Code-AF Registry
Tae-Hoon Kim (Korea)
Long Hoang Vien (Viet Nam)
O34-5. Predicting the Origin of Ventricular Arrhythmia Using Acoustic Cardiography
Chin-Yu Lin (Taiwan)

Oral Presentation 35 10:30-11:45

SVT-2
Chairpersons:
Junichi Nitta (Japan) / Seil Oh (Korea) / Daniel Chong (Singapore)
Speakers:
O35-1. Clinical Validation of Body Surface Mapping of Atrial Tachycardia by Novel High-Density Mapping
Takeshi Kitamura (France)
O35-2. Shifts in Sites of the Earliest Activation during Sinus Rhythm and Sinus Tachycardia
Yoshie Kuma (Japan)
O35-3. The Assessment of Left Atrial Appendage Flow by Computed Tomography Using Serial Snapshots Method
Hirotaka Muramoto (Japan)
O35-4. A Case of Atypical Atrivoventricular Nodal Reentrant Tachycardia with the Earliest Site of Atrial Activation At Lateral Tricuspid Annulus
Shuntaro Tamura (Japan)
Mitsuru Yoshino (Japan)

O35-6. Catheter Ablation for Atrial Fibrillation reduce the risk of readmission for Heart Failure in Patients with Heart Failure with preserved Ejection Fraction
Takashi Yoshizawa (Japan)

O36-1. Atypical Atrioventricular Nodal Reentrant Tachycardia Using Slow Pathway Involving Atrioventricular Ring
Yoshiaki Kaneko (Japan)

O36-2. Rotational Drivers for Persistent Atrial Fibrillation Identified in the Same Location by Independent Mapping Approaches
Tina Baykaner (United States)

O36-3. Real-Time 2D Intracardiac Echocardiography and MRI in Measuring Needle Ablation Tissue Lesion Size: Gross Pathology Correlations and Validations
Songyun Wang (United States)

O36-4. Clinical Predictors of Recurrence and Outcomes after Catheter Ablation for Atrial Fibrillation with Hypertrophic Cardiomyopathy
Kazuto Kujira (Japan)

O36-5. How Widely Can the Cryoballoon Ablate the Left Atrial Posterior Wall including Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation?
Takayuki Yoshida (Japan)

O36-6. A Case of Atrial Tachycardia Originating from Left Atrial Diverticula.
Junya Suzuki (Japan)

O36-7. A Case of Adenosine Triphosphate-Sensitive Atrial Tachycardia Originating from the Atrioventricular Node Vicinity with Slow Pathway Conduction
Yu Nomura (Japan)

O37-1. The Referential Values for Frequency Domain T Wave Alternans Based on Ambulatory Electrocardiogram in Healthy Subjects
Kenichi Hashimoto (Japan)

O37-2. Reduced Pulmonary Function and Incidence Of Atrial Fibrillation In General Population
Jin-Kyu Park (Korea)

O37-3. Correlation between Low QRS Voltage on 12-Lead ECG and Nutrition Status in General Population
Yoshihiro Tanaka (Japan)

O37-4. The Effect of Age, Sex, Income Disparity, and the Community Urbanization on the Incidence, Treatment, and Outcomes of Sudden Cardiac Arrest
Pil-Sung Yang (Korea)

O37-5. Inherited Cardiac Arrhythmias as a Cause of Sudden Cardiac Death in Korea: A Cohort from National Health Insurance Service Database
Seung-Young Roh (Korea)

O37-6. The Clinical, Electrocardiographic, Echocardiographic Profile and in Patient Outcomes of Adult Filipino Patients with Methamphetamine Induced Cardiomyopathy at a Tertiary Government Hospital
Joseeduardo DL. Duya (Philippines)

O37-7. Risk Stratification and Cardiovascular Outcomes in the General Population in the Circulatory Risk in Communities Study (CIRCS)
Chihiro Ota (Japan)

O38-1. Combined Body-Surface and Endocardial Basket Mapping of Human Atrial Fibrillation: Early Experience
Miguel Rodrigo (United States)

O38-2. Comparative Effects of Cryoballoon, Hotballoon and Radiofrequency Ablation of Pulmonary Veins on the Intrinsic Cardiac Autonomic Nervous System
Ryuta Watanabe (Japan)

O38-3. The Association between Baroreflex Sensitivity and Epicardial Adipose Tissue in Patients with Paroxysmal Atrial Fibrillation
Hidekazu Kondo (Japan)

O38-4. Rhythm Versus Rate Control in Patients with Atrial Fibrillation Combined with Left Ventricular Systolic Dysfunction: A Meta-Analysis
Jinhee Ahn (Korea)

O38-5. Effectiveness of Cryoballoon versus Contact Force Sensing Catheter Ablation for Persistent Atrial Fibrillation: Propensity Score Matched Analysis
Yuzuru Matsumoto (Japan)

O38-6. Predicting the Second ATS under the High-Density 3D Mapping
Masateru Takigawa (France)

O38-7. Bilateral Tachycardias Diagnosed by Ultrasound Resolution Mapping System following Ablation for Persistent Atrial Fibrillation
Takeshi Kitamura (France)

Monaco

Invited Symposium 47 (VT-4)
8:30-10:00

Substrate Mapping for Sustained Monomorphic VT in Structural Heart Disease

Chairpersons:
Mitsuhito Nishizaki (Japan) / Pramesh Kovoor (Australia) / Sunny Po (United States) / Roderick Tung (United States)
Keynote Lecture:
IS47-KL High-Density Mapping for the Structural Heart Disease VT
Roderick Tung (United States)

Speakers:
IS47-1. Evaluation of Substrate by Mapping
Mauricio Arruda (United States)
IS47-2. Image Integration to Guide Catheter Ablation in Scar-Related Ventricular Tachycardia
Seigo Yamashita (Japan)
IS47-3. Data-Driven Modelling of Cardiac Fibrillation
Hiroshi Ashikaga (United States)
IS47-4. Potential of Real Time MR Guided Ablation in Patients with VT Associated with Structural Heart Disease
Gerhard Hindricks (Germany)

Invited Symposium 48 (VT-5) 10:00-11:30
Ablation and Surgery of Outflow Tract VT/VPC
Chairpersons:
Yasushi Miyauchi (Japan) / James Wong (Singapore) / Jae Won Lee (Korea) / Nitish Badhwar (United States)

Keynote Lecture:
IS48-KL Surgical Ablation for Refractory VT/PVC
Takashi Nitta (Japan)

Speakers:
IS48-1. Outflow PVC Ablation
Akiko Ueda (Japan)
IS48-2. Extracorporeal Life Support during Hemodynamic Unstable VT Ablation
Jae Seung Jung (Korea)
IS48-3. Difficult Outflow PVC/VT
Takumi Yamada (United States)
IS48-4. Bipolar Ablation or Ethanol Ablation for Outflow PVC/VT
Pramesh Kovoor (Australia)

Invited Symposium 49 (VT-6) 13:30-15:00
Fibrosis and Ventricular Tachycardia/Fibrillation
Chairpersons:
Akihiko Nogami (Japan) / Toon Wei Lim (Singapore) / Saurabh Kumar (Australia) / Koonlawee Nademanee (United States)

Keynote Lecture:
IS49-KL Fibrosis and Conduction Abnormalities in the Brugada Syndrome
Koonlawee Nademanee (United States)

Speakers:
IS49-1. Fibrosis and VT
Yasushi Miyauchi (Japan)
IS49-2. Characterization of the Epicardial Substrate for Catheter Ablation of Brugada Syndrome
Chenyang Jiang (China)
IS49-3. VF Ablation
Josef Kautzner (Czech Republic)
IS49-4. Ventricular Myocardial Fibrosis and VT/VF
Jose A. Cabrera (Spain)

Invited Symposium 50 (VT-7) 15:00-16:30
Chicken or Egg?: PVC Induced Low LVEF Low EF Causing PVCs?
Chairpersons:
Hiroshi Tada (Japan) / Kolandaisamy Chandrasekaran (India) / Kurt Roberts-Thomson (Australia) / Takumi Yamada (United States)

Keynote Lecture:
IS50-KL What Kind of PVC Causes Low EF?
Hiroshi Tada (Japan)

Speakers:
IS50-1. Which Patients with PVCs Need Ablation?
Tomoo Harada (Japan)
IS50-2. Predictors of Recovery of Left Ventricular Dysfunction after Ablation of Frequent PVCs
Kyoung-Min Park (Korea)
IS50-3. Catheter Ablation for PVC to Improve EF
Haris M. Haqqani (Australia)
IS50-4. Early Detection of Subtle Electromechanical Dysfunction in Patients with Idiopathic PVC
Shih-Lin Chang (Taiwan)

Invited Symposium 51 (VT-8) 16:30-18:00
Multidisciplinary Treatments of Electrical Storm
Chairpersons:
Hisashi Yokoshiki (Japan) / Cyril Yiu-Kwan Ko (Hong Kong) / Yoga Yuniadi (Indonesia) / Kalyanam Shivkumar (United States)

Keynote Lecture:
IS51-KL Multidisciplinary Treatments of Electrical Storm
Kalyanam Shivkumar (United States)

Speakers:
IS51-1. Catheter Ablation for VT Storm
Hiroshi Tada (Japan)
IS51-2. Surgical Ablation for VT Storm
Takashi Nitta (Japan)
IS51-3. Utility of Sympathetic Denervation for Intractable VT
Yash Lokhandwala (India)
IS51-4. Catheter Ablation of VT Storm
B. Hygriv Rao (India)

Invited Symposium 52 (Syncope-3) 8:30-10:00
Diagnosis and Management of Idiopathic Paroxysmal AV Block in Syncope—ATP Sensitive AV Block—
Chairpersons:
Haruhiko Abe (Japan) / Yongkeun Cho (Korea) / Chun-Chieh Wang (Taiwan) / Michele Brignole (Italy)

Keynote Lecture:
IS52-KL Diagnosis and Management of Idiopathic Paroxysmal AV Block in Syncope—ATP Sensitive AV Block—
Michele Brignole (Italy)

Speakers:
IS52-1. Paroxysmal Atrioventricular Block Detected by Implantable Loop Recorder in Syncope Patients
Ritsuko Kohno (Japan)
Invited Symposium 53 (Noninvasive-3)  10:00-11:30
Noninvasive Risk Stratification for Sudden Cardiac Death in J Wave Syndrome
Chairpersons:
  Mitsuhiro Nishizaki (Japan) / Giulio Conte (Switzerland) / Chung-Lieh Hung (Taiwan) / Arthur AM Wilde (Netherlands)
Keynote Lecture:
  IS53-KL Update on J Wave Syndrome
  Arthur AM Wilde (Netherlands)
Speakers:
  IS53-1. Modulating Factors in J Wave Syndrome
  Naohiko Takahashi (Japan)
  IS53-2. Risk Stratification of ER Syndrome
  Raphael Rosso (Israel)
  IS53-3. Clinical Significance of J Wave in Brugada Syndrome
  Masahiko Takagi (Japan)
  IS53-4. Update on the Management of J Wave Syndrome
  Namsik Yoon (Korea)

General Symposium 5  14:40-16:10
Fighting with 'Refractory Ventricular Arrhythmia'
Chairpersons:
  Kazutaka Aonuma (Japan) / William G. Stevenson (United States)
Keynote Lecture:
  GS5-KL Fighting with 'Refractory Ventricular Arrhythmia'
  William G. Stevenson (United States)
Speakers:
  GS5-1. Significance of Inducible Non-Sustained Ventricular Tachycardias after Catheter Ablation for Ventricular Tachycardia in Ischemic Cardiomyopathy
  Akira Fuji (United States)
  GS5-2. Does VT Ablation Reduce VF Incidence?
  Takeshi Kitamura (France)
  GS5-3. Refractory Repetitive Ventricular Tachycardia in Patients with Hypertrophic Cardiomyopathy
  Atsuyuki Watanabe (Japan)
  GS5-4. Morphological Exploration of Arrhythmogenic Substrates for Refractory Ventricular Arrhythmia in the Autopsied Humans Hearts after Catheter Ablation Therapy
  Taka-Aki Matsuyama (Japan)
  Ahmed A Talib (Japan)
Role of S-ICD in Primary Prevention of SCD
Chairpersons:
Mihoko Kawabata (Japan) / Hsiang-Chiang Hsiao (Taiwan) / Tai-Ho Rho (Korea) / Andrew Epstein (United States)
Keynote Lecture:
IS55-KL Role of S-ICD in Primary Prevention of SCD
Reinoud Knops (Netherlands)
Speakers:
IS55-1. Are Inappropriate Shocks Reduced with the S-ICD?
Norishige Morita (Japan)
IS55-2. S-ICD in Patients with Brugada ECG
Mihoko Kawabata (Japan)
IS55-3. S-ICD in Patient with Structural Heart Disease
Hung-Fat Tse (Hong Kong)
IS55-4. S-ICD in Patients with Electrical Heart Disease
Yong-Mei Cha (United States)

Programming of Pacemaker and ICD
Chairpersons:
Toshiko Nakai (Japan) / John D. Fisher (United States) / Mien-Cheng Chen (Taiwan) / Jin Kun Jang (Korea)
Keynote Lecture:
IS56-KL Tricks and Tips for CRMD Programming
John D. Fisher (United States)
Speakers:
IS56-1. Optimal ICD Programming to Reduce Unnecessary Shocks
Ta-Chuan Tuan (Taiwan)
IS56-2. ICD Reprogramming after Electrical Storm
David G. Benditt (United States)
IS56-3. Device Algorithms Overview and Updates
Cathy Lam (Hong Kong)
IS56-4. Pacing Protocol to Reduce Right Ventricular Pacing Percentage in SSS: Simple or Complex
Satchana Pumprueg (Thailand)

Oral Presentation 39 9:30-10:30

AF-4
Chairpersons:
Yoshihisa Abe (Japan) / Sang Weon Park (Korea) / Dominik Linz (Australia)
Speakers:
O39-1. Comparison of Radiofrequency Catheter Ablation for Paroxysmal Atrial Fibrillation between Patients with and without Sick Sinus Syndrome: Insights from Kansai Plus Atrial Fibrillation (KPAF) Registry
Itosuro Morishima (Japan)

Masahiro Esato (Japan)
O39-3. Non-Inducibility of Atrial Fibrillation after Simple PVI may be a Useful Indicator of Sinus Rhythm Maintenance in Patients with Persistent AF
Satoshi Aita (Japan)
O39-4. Validation of the CAAP-AF Score to Predict Long-Term Freedom from Atrial Fibrillation after Catheter Ablation
Koichi Furui (Japan)
O39-5. Non Concomitant Hybrid Ablation (Epicardial Linear Ablation Followed by EPS Study and Targeted Endocardial Ablation) for Long Standing Persistent AF. Encouraging Mid-Term Results.
Malcolm JR Dalrymple-Hay (United Kingdom)

Diagnosis and Treatment of Syncope
Chairperson: Yoichi Kobayashi (Japan)
Speaker: Michele Brignole (Italy)

Educational Lecture 3 13:30-14:30
Speakers:

O41-1. Efficacy of Pace-Mapping and Early Activation Mapping Method in Localizing Target Site in Radiofrequency Ablation of Right Ventricular Outflow Tract Premature Ventricular Contractions.
Viet Tuan Tran (Viet Nam)

O41-2. Study of Arrhythmias after Successfully Ablated by Radio Frequency for Premature Ventricular Complexes and Ventricular Tachycardia
Thuy Thi Le Nguyen (Viet Nam)

O41-3. The Novel Electrophysiological Criteria for Medial Ventricular Outflow Tract Tachycardia: The Role of Absolute Early Activation Time Discrepancy and Earliest Activation Distance
Chin-Yu Lin (Taiwan)

O41-4. Utility of Fractionation Index and Local Abnormal Ventricular Activity Duration in Characterizing the Epicardial Substrates in Brugada Syndrome with Ventricular Arrhythmias
Abigailouise D. Te (Taiwan)

O41-5. Relationship between Wall Thickness and Post-Infarction VT Mechanisms: Insights from Registered CT Imaging and Ultra-High-Density VT Mapping Using the Rhythmia System
Masateru Takigawa (France)

Brady-2

Chairpersons:
Toshiaki Sato (Japan) / Yi-Hsin Chan (Taiwan) / Sungwon Jang (Korea)

Speakers:

O42-1. The Number of Cardiac Implantable Electronic Devices Implantation in the Future in Japan
Eiichi Watanabe (Japan)

O42-2. Incidence and Predictors of Moderate to Severe Tricuspid Regurgitation after Permanent Pacemaker Implantation; Clinical Implications of Atrial Fibrillation on its Progression
Minsoo Cho (Korea)

O42-3. Impact of Ramp and Burst Therapy in Antitachycardia Pacing Efficacy among Atrial Fibrillation Patients with Dual Chamber Pacemaker
Dian A Munawar (Australia)

O42-4. Usefulness of Dual Chamber Pacemaker with the Closed Loop Stimulation (CLS) Algorithm in Malignant Neurally Mediated Syncpe.
Kesuke Miyaizawa (Japan)

O42-5. Effective Reduction of Inappropriate Shock after Applying Long Detection Interval of Ventricular Arrhythmia
Younmi Hwang (Korea)

O42-6. Repeat Cardiac MRI to Tailor Therapy in Patients with Initial Presentation with Complete Atroventricular Block: Usefulness of MRI Conditional Device
Noriko Matsushita (Japan)

O42-7. Iatrogenic AV Fistula during Pacemaker Implantation Closed by Coiling.
Debabrata Bera (India)

Atrial Selective Sodium Channel Blockers for the Management of Atrial Fibrillation
Chairperson: Itsuo Kodama (Japan)
Speaker: Charles Antzelevitch (United States)

Room 503

General Symposium 6

Role of New Defibrillation Devices
Chairpersons:
Takashi Kurita (Japan) / Eric N Prystowsky (United States)

Keynote Lecture:
GS6-KL Role of New Defibrillation Devices
Eric N Prystowsky (United States)

Speakers:

GS6-1. Reliability and Characteristics of Wavelet Algorithm for Discrimination in Patients with ICD versus CRT-D - Subanalysis of Defense Trial -
Yasuhide Oginosawa (Japan)

GS6-2. Smart Pass will be the Gospel to Prevent Inappropriate Operation with S-ICD
Motomi Tachibana (Japan)

GS6-3. Incidence of Defibrillator Shocks do not Differ between the First Generation Subcutaneous ICD and the Transvenous ICD; A Matched Analysis of Large Multicenter Studies
Reinoud Knops (Netherlands)

GS6-4. The Evaluation of Defibrillation Safety in Subcutaneous Implantable Cardioverter-Defibrillator
Keijiro Nakamura (Japan)

GS6-5. 6-Month Performance of Communicating Leadless Anti-Tachycardia Pacemaker and Subcutaneous Implantable Cardioverter Defibrillator
Fleur Tjong (Netherlands)

GS6-6. P-Wave Amplitudes of Far-Field and Near-Field Electrograms from Substernal Electrodes: Results from the Substernal Pacing Acute Clinical Evaluation (Space) Study
Peter Leong-Sit (Canada)

Invited Symposium 57 (Basis/Genetic-8)

Genetics of IVF and SCD
Chairpersons:
Naomasa Makita (Japan) / Jodie Ingles (Australia) / Jyh-Ming Jimmy Juang (Taiwan) / Connie Bezzina (Netherlands)

Keynote Lecture:
IS57-KL Genetic Basis of Ventricular Bibrillation
Connie Bezzina (Netherlands)

Speakers:

IS57-1. Genetic of IVF and SCD
Takeshi Aiba (Japan)

IS57-2. Common Variations and Ethnicity in BrS
Yukiko Nakano (Japan)

IS57-3. Animal Model of BrS
David S. Park (United States)
**Great Debate 1**  
**What Is the Best Strategy of Persistnet Afib Ablation: Signal Guided, Linear Ablation, Rotor Guided or Voltage Guided?**

**Chairpersons:**
- Ritsushi Kato (Japan) / Prashanthan Sanders (Australia) / Hui-Nam Pak (Korea)

**Speakers:**
- GD1-1. Signal Guide Ablation  
  Young-Hoon Kim (Korea)
- GD1-2. Linear Ablation  
  Kikuya Uno (Japan)
- GD1-3. Rotor Guide Ablation  
  Méleze Hocini (France)
- GD1-4. Voltage Map Guide Ablation  
  Takeshi Tsuchiya (Japan)

**Oral Presentation 43**  
**Allied-1**

**Chairpersons:**
- Toru Maruyama (Japan) / Kai-Hang Yiu (Hong Kong)

**Speakers:**
- O43-1. Serum Albumin Levels Predict Major Bleeding Events Associated with Increased PT-INR In Atrial Fibrillation Patients on Warfarin  
  Mayumi Yamamoto (Japan)
- O43-2. The Lesion Gap Assessed by DE-MRI Could Predict the Re-Conduction Site in 2nd AF Ablation Procedure  
  Kunihiko Kiuchi (Japan)
- O43-3. Favorable Effect of Non-Vitamin K Antagonist Oral Anticoagulants in Atrial Fibrillation Patients with Liver Cirrhosis  
  Heetae Yu (Korea)
- O43-4. Influence of Left Ventricular Hypertrophy on Relationship between Local Conduction Velocity and Bipolar Voltage In Atrial Fibrillation  
  Shunsuke Kuroda (Japan)
- O43-5. Characterization of AF Termination Site during Low Voltage Zone (LVZ) Ablation in Patients with Persistent AF (PEAF)  
  Yuki Kawano (Japan)

**Oral Presentation 44**  
**Allied-2**

**Chairpersons:**
- Kohei Yamashiro (Japan) / Buncha Sunsaneewitayakul (Thailand)

**Speakers:**
- O44-1. Reduced Left Atrial Compliance and Endocardial Voltage after Catheter Ablation for Atrial Fibrillation  
  Tae-Hoon Kim (Korea)
- O44-2. Different Implications at Heart Failure, Ischemic Stroke and Mortality between Nonvalvular Atrial Fibrillation and Atrial Flutter–A View from a National Cohort Study  
  Lin Yu-Sheng (Taiwan)
- O44-3. Different Responses of Left Atrium and Left Atrial Appendage to Radiofrequency Catheter Ablation of Atrial Fibrillation: A Follow-Up MRI Study  
  Yung-Ji Kim (Korea)
- O44-4. Influence of Acute Ablation Lesion on Voltage Map Utilizing Tissue Proximity Filtering  
  Takatsugu Kajiyama (Japan)
- O44-5. A Vector Based Algorithm to Differentiate Septal and Free Wall Sites of Origin of Ventricular Arrhythmias in the Right Ventricular Outflow Tract  
  Fengxiang Zhang (China)

**Oral Presentation 45**  
**Allied-3**

**Chairpersons:**
- Shigeyuki Watanabe (Japan) / Marcellus Francis L. Ramirez (Philippines)

**Speakers:**
- O45-1. AF Related Hospitalisation Trends in Australia Over a 20 Year Period: A Relentless Rise  
  Celine Gallagher (Australia)
- O45-2. Effect of Left Atrial Reduction on Rhythm Conversion in Atrial Fibrillation with Rheumatic Mitral Valve Disease  
  Fandi Ahmad (Indonesia)
- O45-3. Epicardial Substrate Characteristics and Clinical Manifestations of Patients with an Overlap of Brugada Syndrome and Arrhythmogenic Right Ventricular Dysplasia  
  Fa-Po Chung (Taiwan)
- O45-4. Cardiodynamicsgram Methodology for Detecting Abnormal Dynamics of Cardiac Repolarization during Ischemia  
  Muqing Deng (China)
- O45-5. The Factors to Predict the Existence of Low Voltage Zone in Patients with Atrial Fibrillation  
  Yuki Kawano (Japan)
- O45-6. Clinical and Echocardiographic Characteristics of Premature Ventricular Complex Originating from Mitral Annulus: An Analysis of 139 Patients with Premature Ventricular Complex from Left Heart  
  Zhengqin Zhai (China)
- O45-7. Hot Balloon vs. Cryoballoon Ablation for Atrial Fibrillation: Lesion Analyses and Complication  
  Koichi Nagashima (Japan)

**Educational Seminar**

**Essential Cardiac Anatomy Related to Cardiac Device and Ablation Therapy for Electrophysiologists**

**Chairpersons:**
- Osamu Igawa (Japan)
1. Anatomy of Aortic Root and Its Surroundings

2. Anatomy of AV Junction (AV Node and His Bundle) and Its Surroundings: Potentialities of His Bundle Pacing from the View Point of Anatomy

**Booth 1**

**Rapid Firing Session 1**  
8:30-9:30

**Allied-1**

**Chairpersons:**  
Hiro Yamasaki (Japan) / Deija Huang (China)

**Speakers:**
- RF1-1. Prognostic Significance of New-Onset Atrial Fibrillation in Patients with Acute Heart Failure  
  Shunsuke Kuroda (Japan)
- RF1-2. Incidence and Predictors of Super-Responders following Cardiac Resynchronisation Therapy  
  Darshan Krishnappa (India)
- RF1-3. Left Ventricular (LV) Dysfunction Improves after Atrial Fibrillation (AF) Ablation Irrespective of Presence or Absence of Low Voltage Zone (Lvpz)  
  Yuki Kawano (Japan)
- RF1-4. Involvement of Epicardial Delayed Potentials (EPI-DPS) at Ventricular Outflow Tracts for Induction of VF in the Patients with Brugada Syndrome  
  Tsuyoshi Urushida (Japan)
- RF1-5. Early Observation of Transient Atrial Fibrillation is Important to Predict Recurrence of Atrial Fibrillation after 2nd Radiofrequency Catheter Ablation  
  Hideki Koike (Japan)
- RF1-6. Normal BMI is a Significant Independent Predictor of Inducible Ventricular Tachycardia and Mortality in Patients with Myocardial Infarction and Left Ventricular Dysfunction  
  Rahul Samanta (Australia)

**Rapid Firing Session 2**  
9:30-10:30

**Allied-2**

**Chairpersons:**  
Junjiro Koyama (Japan) / Deija Huang (China)

**Speakers:**
- RF2-1. Are Novel Oral Anticoagulant Associated with a Significant Number of Reactions  
  Melissa E Middeldorp (Australia)
- RF2-2. Pharmacokinetics of New Type of Beta-Antagonist, Transdermal Absorbable Bisoprolol Fumarate during Cardiopulmonary Bypass.  
  Shigeru Shinozaki (Japan)
- RF2-3. Biomarkers of Myocardial Injury after Pulmonary Vein Isolation with Radiofrequency Catheter Ablation and Cryoballoon Ablation  
  Yu Kumagai (Japan)
- RF2-4. Omega-3 Fatty Acid Attenuated Heterogeneity of Ventricular Repolarization in Patient with Ischemic Heart Failure  
  Ko Jumsuk (Korea)

**Rapid Firing Session 3**  
10:30-11:30

**AF-1**

**Chairpersons:**  
Takeshi Ueyama (Japan) / Jan-Yow Chen (Taiwan)

**Speakers:**
- RF3-1. The Role of Left Ventricular Stiffness in Progression from Paroxysmal to Persistent Atrial Fibrillation  
  Shunsuke Uetake (Japan)
- RF3-2. Evaluation of Additional Ablation Procedures to Pulmonary Vein Antral Isolation in Persistent Atrial Fibrillation Patients  
  Tun Aung Kyaw (Japan)
- RF3-3. Clinical Effectiveness of the Novel Fiber Optic Contact-Force Sensing Catheter in Pulmonary Vein Isolation Procedure  
  Naomi Kanamori (Japan)
- RF3-4. High Incidence of Advanced Cardiac Dysfunction in Women Among Patients with Persistent Atrial Fibrillation.  
  Takakatsu Yoshitake (Japan)
- RF3-5. Clinical Outcome after Atrial Substrate Linear Ablation For Non-Paroxysmal Atrial Fibrillation  
  Takayuki Kitai (Japan)
- RF3-6. Baroreflex Sensitivity is Associated with Serum Cytokine Levels in Patients with Paroxysmal Atrial Fibrillation.  
  Kyoko Kawano (Japan)

**Rapid Firing Session 4**  
13:50-14:50

**AF-2**

**Chairpersons:**  
Atsushi Kobori (Japan) / Muhammad Munawar (Indonesia)

**Speakers:**
- RF4-1. Once-Daily Direct Oral Anti-Coagulants Increase the Bleeding Risk in Elderly Atrial Fibrillation Patients Received Anti-Platelet Therapy  
  Ai Himoto (Japan)
- RF4-2. Distribution of Triggering Foci and Outcome Of Catheter Ablation for Patients with Atrial Fibrillation in Different Age Groups  
  Chung-Hsing Lin (Taiwan)
- RF4-3. Metabolic Acidosis Resulted from Prolonged Sedation with Propofol Infusion Influences the Procedure Time and Clinical Outcome after Catheter Ablation of Atrial Fibrillation.  
  Kyoung-Jeong Ko (Korea)
- RF4-4. Contact Force Sensing Catheter (CF) and Intra Cardiac Echocardiography (ICE) Guided Pulmonary Vein Antrum Isolation (PVAI) Is Effective  
  Yuya Takahashi (Japan)
RF4-5. Electrical Properties of Pulmonary Veins after Isolation in Patients with Atrial Fibrillation at the Initial and Second Sessions
Masayuki Takahashi (Japan)

RF4-6. Intracardiac Echocardiography Nicely Visualizes Catheter Contact in Pulmonary Vein Antrum Isolation (PVAI)
Toyokazu Otsubo (Japan)

Rapid Firing Session 5
14:50-16:00

VT/VF/VPC2

Chairpersons: Koji Fukuzawa (Japan) / Jinjun Liang (China)

Speakers:
RF5-1. Usefulness of a Multi-Spline Duodecapolar Catheter with Small Electrodes and Close Spacings for Mapping and Ablation of Purkinje-Related Premature Ventricular Contraction and Triggered Ventricular Fibrillation
Susumu Takase (Japan)

RF5-2. A Malignant Ventricular Arrhythmia Originating from a Metastatic Cardiac Tumor.
Yasuhiro Kotake (Japan)

RF5-3. Sudden Cardiac Arrest of Rare Reversible Etiology
Hermohander Singh Isser (India)

RF5-4. An Example of the Disappearance of a Case of PVC (Bigeminy, Trigeminy) Related to Traumatic Occlusion by Occlusal Adjustment
Tsuneo Sakai (Japan)

RF5-5. Successful Left-Side Catheter Ablation for Ventricular Tachycardia in a Patient with Arrhythmogenic Right Ventricular Cardiomyopathy
Taro Temma (Japan)

RF5-6. Prognostic Significance of J Wave in Prediction of Ventricular Arrhythmia and Electrical Storm in Patient With Acute Myocardial Infarction with
Cheng-I Wu (Taiwan)

RF5-7. <Withdrawal>

Rapid Firing Session 6
16:00-16:40

Inherited

Chairpersons: Yuki Iwasaki (Japan) / Chung-Lieh Hung (Taiwan)

Speakers:
RF6-1. Different ECG Changes of CRBBB with Time between Health Check-Up Examinees and Patients with Cardiac Diseases.
Shuichiro Kazawa (Japan)

RF6-2. Characteristics of J-Waves and Brugada-Type ECGs Associated with Acute Pericarditis
Shintaro Kira (Japan)

RF6-3. Drug-Induced Long QT Syndrome in a Patient with an ANK2 Mutation.
Atsushi Kyodo (Japan)

RF6-4. Three Pediatric Cases with Long QT Syndrome with Device Implantation
Shuichiro Yoshida (Japan)

[Booth 2]

Rapid Firing Session 7
8:30-9:30

Device-1

Chairpersons: Ken Terata (Japan) / Jo Jo Hai (Hong Kong)

Speakers:
RF7-1. Cardiac Implantable Electronic Device-Related Infection & Its Prevention: A Tertiary Care Center Protocol
Abhinay Tibedewal (India)

RF7-2. Realistic Assessment of the Longevity of Pacemaker Tran Thong (Viet Nam)

RF7-3. Evaluation of QT Time Automatic Measurement Using Tangent Method
Jiro Suto (Japan)

RF7-4. Consideration on QT Measurement Logic Update of Automatic Measurement of Electrocardiogram by Nihon Kohden
Jiro Suto (Japan)

RF7-5. Comparison of Four QT Correction Formulae
Jiro Suto (Japan)

RF7-6. An Effective Case of NMS with ILR for Assessment of Objective Response to Therapy
Rina Ishii (Japan)

Rapid Firing Session 8
9:30-10:30

Pharm-1

Chairpersons: Hiroyuki Osanai (Japan) / Chen-Chuan Cheng (Taiwan)

Speakers:
RF8-1. Trend of Oral Anticoagulants by Analysis Using The “Kokuho Database” in Patients with Non-Valvular Atrial Fibrillation in a Japanese Local Region
Noritomo Narita (Japan)

RF8-2. Risk Factors and Prevention of Dabigatran-Related Gastrointestinal Bleeding in Patients with Atrial Fibrillation
Teerapat Nantsupawat (United States)

Keitaro Senoo (Japan)

RF8-4. The Enlargement of Pulmonary Vein Predicts the Presence of Atrial Fibrillation Earlier than the Left Atrial Dilatation.
Masaaki Kurata (Japan)

RF8-5. The Characteristics of Patients with the History of Atrial Fibrillation-Induced Heart Failure
Akihiro Okamura (Japan)

RF8-6. Sustained Fibrillation within Isolated Pulmonary Vein During Catheter Ablation: Optional Intervention for PV Fibrillation after Circumferential PV Isolation
Mai Tahara (Japan)

Rapid Firing Session 9
10:30-11:20

VT/VF/VPC1

Chairpersons: Takeshi Sasaki (Japan) / Toon Wei Lim (Singapore)
Speakers:
RF9-1. Three Cases of Non-Reentrant Purkinje-Related Ventricular Tachycardias Originating from Old Myocardial Infarct Site of Infero-Posterior Wall.
Hajime Imai (Japan)
RF9-2. Early Transient Recurrence of Ventricular Fibrillation after Catheter Ablation of Premature Ventricular Contraction from Purkinje Fiber in Two Patients with Ischemic Heart Disease.
Masahiro Maruyama (Japan)
Akira Ueoka (Japan)
RF9-4. High Incidence of Contact Force Variation in Treating Premature Ventricular Complexes Arising from the Aortic Root.
Xiaonan Dong (China)
RF9-5. Analysis of Patients Undergoing Radiofrequency Ablation (RFA) for Idiopathic Ventricular Outflow Tract Arrhythmias (IVOTA) at a Tertiary Care Hospital in India.
Anandaroop Lahiri (India)

Rapid Firing Session 10 13:50-14:50
HF
Chairpersons:
Takashi Tokano (Japan) / Yoon-Nyun Kim (Korea)
Speakers:
RF10-1. Bidirectional Ventricular Tachycardia in Rheumatic Fever Reactivation: A Rare Case.
Rosa Syafitri (Indonesia)
RF10-2. A Case of Hypertrophic Obstructive Cardiomyopathy Who Developed Congestive Heart Failure after a Long-Term DDD Pacing Therapy.
Sonoko Matsuyama (Japan)
RF10-3. PET Scan in Detection of Nonresponders to CRT in Patient of Nonischemic Cardiomyopathy.
Ashutosh Kumar (India)
RF10-4. The Impact of Ablation on Clinical Outcomes in Elderly Acute Heart Failure Syndrome with Atrial Fibrillation.
Mamoru Manita (Japan)
RF10-5. Clinical Characteristics of the Patients with Tachycardia-Induced Cardiomyopathy -Focusing of Drinking Alcohol Habits.
Eiichiro Oka (Japan)
RF10-6. <Withdrawal>

Rapid Firing Session 11 14:50-15:40
SVT
Chairpersons:
Kiyoshi Otomo (Japan) / Ashish Nabar (India)
Speakers:
RF11-1. Ablation of Left Atrial Flutter after Valve Replacement Surgery.
Jaishankar Krishnamoorthy (India)

Rapid Firing Session 12 15:40-16:20
Device-2
Chairpersons:
Atsushi Iwasa (Japan) / Russell Denman (Australia)
Speakers:
RF12-1. Shock Toe My Heart.
Kantha Rao Narasamuloo (Malaysia)
RF12-2. Usefulness of 14-Day Novel Leadless, Adhesive Patch Electrocardiographic Monitoring to Detect Atrial Tachyarrhythmia following Catheter Ablation of Atrial Fibrillation.
Sachiko Bando (Japan)
RF12-3. The Duration of Right Ventricular Pacing Increase the Risk of Intraventricular Dyssynchrony in Patients with Permanent Pacemaker.
Bimo Bintoro (Indonesia)
RF12-4. A Different Scenario PF Pacemaker Infection; When the Uncommon Becomes Common.
Jane Aboulenein (Egypt)

Saturday, September 16

Main Hall
Core Curriculum Session 3 13:30-15:30
Ablation of Complex Cases: ‘Ask the Legend’
Chairpersons:
Kenzo Hirao (Japan) / Ken Okumura (Japan) / Shih-Ann Chen (Taiwan)
Speakers:
CC3-1. AVNRT
Warren M. Jackman (United States)
CC3-2. Accessory Pathway
Karl-Heinz Kuck (Germany)
CC3-3. Tachycardia Originating from Peri AV Nodal Region
Yoshito Iesaka (Japan)
CC3-4. Refractory Ventricular Tachycardia
Francis E. Marchlinski (United States)
Koshichiro Hirosawa Memorial Lecture 15:30-16:30

Invited Symposium 58 (AF-10) 16:30-18:00
Catheter Ablation of Accessory AV Pathways
Chairperson: Teiichi Yamane (Japan)
Speaker: Warren M. Jackman (United States)

Catheter Ablation of Atrial Arrhythmogenic Substrate in Atrial Fibrillation
Chairpersons:
Yoshito Iesaka (Japan) / Dong Seop Jeong (Korea) / Swee Chong Seow (Singapore) / Luigi Di Biase (United States)

Keynote Lecture:
IS58-KL Tailored Atrial Substrate Modification Based on Low-Voltage Areas in Catheter Ablation of Atrial Fibrillation
Luigi Di Biase (United States)

Speakers:
IS58-1. Efficacy of Left Atrial Voltage-Based Catheter Ablation of Persistent AF
Takeshi Tsuchiya (Japan)
IS58-2. Atrial Fibrillation Cycle Length as a Predictor for the Extent of Substrate Ablation
Ho-Chuen Yuen (Korea)
IS58-3. The Role of MRI in the Assessment of Patients Undergoing Catheter Ablation of Atrial Fibrillation
Jaemin Shim (Korea)
IS58-4. Long-Term Outcome of Left Atrial Voltage-Guided Substrate Ablation
Atsuhiro Yagishita (Japan)

Room 302

Invited Symposium 61 (AF-11) 8:30-10:00
Target and Endpoint of AF Ablation
Chairpersons:
Kenzo Hirao (Japan) / Hui-Nam Pak (Korea) / Rong Bai (Taiwan) / Andrea Natale (United States)

Keynote Lecture:
IS61-KL Role of the LA Appendage in Ablation of AF
Andrea Natale (United States)

Speakers:
IS61-1. Target for AF Ablation
Takashi Kurita (Japan)
IS61-2. Spatial Relation between Left Atrial Anatomical Contact Areas and Circular Activation in Persistent AF
Yuji Okuyama (Japan)
IS61-3. Target and Endpoint of AF Ablation
Jonathan M. Kalman (Australia)

Invited Symposium 62 (AF-12) 10:00-11:30
Current Perspective of Lazor and Hot Balloon Ablation for Atrial Fibrillation
Chairpersons:
Kazutaka Aonuma (Japan) / Ta-Chuan Tuan (Taiwan) / Raymond Sy (Australia) / Vivek Reddy (United States)

Keynote Lecture:
IS62-KL Visually Guided Laser Balloon Catheter Ablation
Vivek Reddy (United States)

Speakers:
IS62-1. Abl Ablation Using Hot Balloon in University of Tsukuba
Hiro Yamasaki (Japan)
IS62-2. Abl Ablation Using Hot Balloon in Tokyo Heart Center
Hiroshi Sohara (Japan)
Invited Symposium 63 (Pharmacological Therapy-5)  13:30-15:00

Rate Control of Atrial Fibrillation (Associated with Heart Failure)

Chairpersons:  
Kaoru Okishige (Japan) / KK Talwar (India) / Han Ling (Australia) / Alan John Camm (United Kingdom)

Keynote Lecture:  
IS63-KL Rate Control of Atrial Fibrillation (Associated with Heart Failure)  
Alan John Camm (United Kingdom)

Speakers:  
IS63-1. Cardioversion or Rate Control?  
Samuel Levy (France)
IS63-2. Acute Rate Control  
Jen-Yuan Kuo (Taiwan)
IS63-3. Rate Control - Do We Have Outcome Data?  
Tze-Fan Chao (Taiwan)
IS63-4. Role of Beta-Blocker  
Yuki Iwasaki (Japan)

Invited Symposium 64 (Pharmacological Therapy-6)  15:00-16:30

Treatment of Atrial Fibrillation by Class III Antiarrhythmic Drug

Chairpersons:  
Akiko Chishaki (Japan) / Charn Sriratanasathavorn (Thailand) / Hirofumi Tomita (Japan) / Samuel Levy (France)

Keynote Lecture:  
IS64-KL Current Role of Antiarrhythmic Drugs in Patients with AF  
Samuel Levy (France)

Speakers:  
IS64-1. Class III AADS in AF Patients Associated with Heart Failure  
Tsunoshishi Shiga (Japan)
IS64-2. Rhythm Control Using Bepridil  
Thorani Charanrat (Thailand)
IS64-3. Upstream Approach to Improve the Effects of Class III Drugs  
Tae-Joon Cha (Korea)
IS64-4. Is Sotalol Useful in AF Patients?  
Tetsuji Shinohara (Japan)

APHRS-WSA Joint Session  16:30-18:00

Prediction and Prevention of SCD

Chairpersons:  
Shu Zhang (China) / Takashi Nitta (Japan)

Speakers:  
AW-1. Sudden Cardiac Death: Prediction and Prevention: A World View  
Richard Sutton (United Kingdom)
AW-2. Gene Screening for Prediction Of SCD - What We Have Done  
Wataru Shimizu (Japan)
AW-3. Unmet of Prevention of SCD in Less Developed Countries - How to Improve?  
Chu-Pak Lau (Hong Kong)
AW-4. Primary Prevention of SCD in Asian Countries  
Wei Hua (China)
AW-5. Cause of Death in ICD Patients  
Karl-Heinz Kuck (Germany)

Room 303

General Symposium 7  8:30-10:00

How to Use Remote Monitoring

Chairpersons:  
Toshiyuki Ishikawa (Japan) / Suneet Mittal (United States)

Keynote Lecture:  
GS7-KL How to Use Remote Monitoring  
Suneet Mittal (United States)

Speakers:  
GS7-1. The Difference of the Intervention Rate Dependent on the Device Type in Cardiac Implantable Electric Devices Patients Followed by Remote Monitoring  
Yoshimasa Morimoto (Japan)
Esteban M Kloosterman (United States)
GS7-3. The First Experience of New Model of Insertable Cardiac Monitor for Japanese Patients: Data from the Reveal LINQ Registry  
Itsuro Morishima (Japan)
GS7-4. Early Detection and Anticoagulant Therapy for Atrial Fibrillation Guided by Remote Monitoring Systems of Cardiac Implantable Electrical Devices  
Toshiaki Sato (Japan)
GS7-5. An Optimal Cut-Off Point of Atrial High Rate Episodes for Prediction of Ischemic Stroke in Japanese Patients with Cardiac Implantable Electronic Devices  
Yusuke Kondo (Japan)

Invited Symposium 65 (Basic/Genetic-9)  10:00-11:30

Arrhythmia Mechanism Including Ca2+ Handling/Optical Mapping

Chairpersons:  
Masatoshi Yamazaki (Japan) / Yu-Cheng Hsieh (Taiwan) / José Jalife (United States)

Keynote Lecture:  
IS65-KL How to Detect and Ablate the Driver of Cardiac Fibrillation  
José Jalife (United States)
Speakers:
IS65-1. Spiral Wave Control by Point Stimulation Utilizing Spiral Wave Shift
Ichiro Sakuma (Japan)
IS65-2. Pathophysiological Mechanisms of Cardiac Fibrillation
Igor Efimov (United States)
IS65-3. Ischemia-Related Atrial Fibrillation and Rotor Dynamics
Masatoshi Yamazaki (Japan)
IS65-4. Ventricular Fibrillation Mechanisms and CA Mapping
Tsu-Juey Wu (Taiwan)

Keynote Lecture:
IS65-KL Human iPS Cell Modeling for Arrhythmia Research and Drug Development
Masayuki Yazawa (United States)

Speakers:
IS67-KL Human iPS Cell Modeling for Arrhythmia Research and Drug Development
Masayuki Yazawa (United States)

Chairpersons:
Shinsuke Yuasa (Japan) / Katsuhito Fujiu (Japan)

Speakers:
IS68-1. Transplantation of Regenerated Cardiomyocyte and Arrhythmia
Shin Kadota (Japan)
IS68-2. Optogenetics is a Precise and Flexible Approach for the Research of Cardiac Arrhythmia
Chan Jiang (China)
IS68-3. Conduction Properties of Allogenic Stem Cell-Derived Tissues In Vitro and In Vivo —Implication for Biological Repair of Cardiac Conduction Defect—
Jong-Kook Lee (Japan)
IS68-4. Cardiac Macrophage is a Novel Target of Regenerative Medicine on Arrhythmia.
Katsuhito Fujiu (Japan)

Keynote Lecture:
IS68-KL Sodium Channel Diseases
Wataru Shimizu (Japan)

Speakers:
IS69-1. AT/AF/DCM
Takeru Makiyama (Japan)
IS69-2. Brugada
Kui Hong (China)
IS69-3. PCCD/SSS
Taisuke Ishikawa (Japan)
IS69-4. LQT3
Jong-Il Choi (Korea)

Speakers:
IS70-1. Disease Modeling by iPS Cells
Shinsuke Yuasa (Japan)
IS70-2. (TBD)
Takeru Makiyama (Japan)
IS70-3. Drug-Induced Proarrhythmia Risk Assessment Using Human iPS Cell-Derived Cardiomyocytes
Yasunari Kanda (Japan)

Chairpersons:
Takeru Makiyama (Japan) / Jiunn-Lee Lin (Taiwan) / Shin-suke Yuasa (Japan) / Masayuki Yazawa (United States)

Speakers:
TAS-1. The Outline of the Tawara's Node: Recent Aspect from Morphological and Functional Approaches
Shin Inoue (Japan)
TAS-2. "Tawara" Node Revisited: The Differential Diagnosis Between AV Nodal Versus Intra-Atrial Reentry
Fumio Suzuki (Japan)
TAS-3. Direct Slow Pathway Capture: A New Electrophysiological Indicator of Successful Catheter Ablation for Atrioventricular Nodal Reentrant Tachycardia
Takeshi Tobioue (Japan)
TAS-4. What is the Substrate of Superior Slow Pathway?
Yoshiaki Kaneko (Japan)
TAS-5. Successful Catheter Ablation of Peri-AV Nodal Atrial Tachycardias
Hitoshi Hachiya (Japan)
TAS-6. Cardiac Conduction System Related Ventricular Tachycardia
Andreas Metzner (Germany)
Invited Symposium 68 (Pediatric-3) 8:30-10:00

Antiarrhythmic Agents for Refractory Tachyarrhythmia in Pediatric Cardiology Patients (Including Adult Congenital Heart Disease)

Chairpersons:
Aya Miyazaki (Japan) / Paweena Chungsomprasong (Thailand) / Mei-Hwan Wu (Taiwan) / J. Philip Saul (United States)

Keynote Lecture:
IS68-KL Role of Antiarrhythmic Drugs in the Era of Catheter Ablation
J. Philip Saul (United States)

Speakers:
IS68-1. Na Channel Blocker in Pediatric Cardiology (Including Aprindine)
Jun Negishi (Japan)

IS68-2. Intravenous Amiodarone in Pediatric Cardiology Patients (Including Adult Congenital Heart Disease)
Pi-Chang Lee (Taiwan)

IS68-3. Sotalol and Oral Amiodarone for Pediatric Patients
Aya Miyazaki (Japan)

IS68-4. Landiolol in Pediatric Cardiology
Naokata Sumitomo (Japan)

Non-Pharmacotherapy for Cardiac Arrhythmias in Pediatric Patients

Chairpersons:
Naokata Sumitomo (Japan) / Aya Miyazaki (Japan)

Keynote Lecture:
GS9-KL Non-Pharmacotherapy for Cardiac Arrhythmias in Pediatric Patients
Aya Miyazaki (Japan)

Speakers:
GS9-1. Electrophysiological Study and Prophylactic Catheter Ablation of the Arrhythmogenic Substrates for Total Cavo-Pulmonary Connection Candidates
Keiko Toyohara (Japan)

GS9-2. Efficacy and Safety of Cryoablation of Para-His Accessory Pathways in Children
He Jiang (China)

GS9-3. Hybrid Ablation Strategy in Congenital Heart Diseases. Jun Yoshimoto (Japan)

GS9-4. Accessory Pathway Ablation in an Infant Less than Six Months Old
Hisaaki Aoki (Japan)

GS9-5. Current Trends in Implantable Cardioverter Defibrillator and Cardiac Resynchronization Therapy in Children- Results from the JCDTR Database
Hiroko Asakai (Japan)

APHRS Young Investigator Award Competition 1 15:00-16:30

Clinical
Chairpersons:
Hideo Mitamura (Japan) / Jonathan M. Kalman (Australia)

Judges:
Yoshinori Kobayashi (Japan) / Vikas Kataria (India) / Seil Oh (Korea) / Martin Stiles (New Zealand)

Speakers:
APHRS-YIA1-1. Potential Role of WCD in Judgment of ICD Implantation: Clinical Implication of Mid-Term Outcome of WCD in Patients at High Risk of Ventricular Tachyarrhythmias
Yuji Ishida (Japan)

APHRS-YIA1-2. Analysis of Contact Force and Clinical Outcome During Catheter Ablation of Right Ventricular Outflow Tract Premature Ventricular Contractions
Liang Shan (China)

APHRS-YIA1-3. Is Left Atrial Fibrosis an Independent Determinant Of Atrial Fibrillation in Mitral Stenosis?
Prashant S. Pawar (India)

APHRS-YIA1-4. Outcomes of Catheter Ablation for Longstanding Persistent Atrial Fibrillation with Unsuccessful Electrical Cardioversion
Kyongjin Min (Korea)

APHRS-YIA1-5. Obstructive Sleep Apnea in Patients Having Atrial Fibrillation Ablation: Prevalence, Severity, and Association with Arrhythmia Phenotype
Chrishan J Nalliah (Australia)

APHRS-YIA1-6. Heal Score, a Predictive Score for Mortality or Heart Transplant in Patients Receiving Cardiac Resynchronization Therapy
Shengwen Yang (Christmas Island)

Basic
Chairpersons:
Masayasu Hiraoka (Japan) / Tus-Juey Wu (Taiwan)

Judges:
Tetsushi Furukawa (Japan) / Xiaohan Fan (China) / Gily-Byoung Nam (Korea) / Dennis Lau (Australia) / Jyh-Ming Jimmy Juang (Taiwan)

Speakers:
APHRS-YIA2-1. Development of a Phenotype-Based and High-Throughput Diagnostic Test by Using LQT-IPSC-Derived Cardiomyocytes
Daisuke Yoshinaga (Japan)

APHRS-YIA2-2. Comorbid Obesity and Metabolic Syndrome add to the Atrial Arrhythmogenic Phenotype in Hypertensive Rats
Dominik Linz (Australia)

APHRS-YIA2-3. Promotive Effects of Binary Colloidal Crystals on Cardiogenesis in Human Induced Pluripotent Stem Cells
Chang Cui (China)
Step-up Session 1  15:00-16:30

Recently Joining Countries to APHRS

Chairpersons:
  Wee-Siong Teo (Singapore) / Kyoko Soejima (Japan)

Speakers:
   Pham Tran Linh (Viet Nam)
  SS1-2. Prevalence of Cardiovascular Morbidities in Myanmar
   Nwe Nwe (Myanmar)
  SS1-3. How to Raise the Level of the Arrhythmia Management in the Major Cardiology Institutes in Philippines.
   Giselle Gervacio (Philippines)
   Zahid Aslam Awan (Pakistan)

New Member Countries of APHRS

Chairpersons:
  Young-Hoon Kim (Korea) / Yoshinori Kobayashi (Japan)

Speakers:
   Sofian Johar (Brunei)
   Chandara Mam (Cambodia)
   Saruu Tseveendeeg (Mongolia)
   Rohan Gunawardena (Sri Lanka)

Room 317

Oral Presentation 46  13:30-14:30

SVT-6

Chairpersons:
  Fumio Suzuki (Japan) / David Heaven (New Zealand) / June Huh (Korea)

Oral Presentation 47  14:40-15:40

Inherit-2

Chairpersons:
  Masaomi Chinushi (Japan) / Raphael Rosso (Israel) / Jim Poulipopoulos (Australia)

Speakers:
   Tommy Dharmawan (Japan)
  O47-2. Unusual Presentation of Brugada Syndrome in Young Pediatric Patient.
   Sarin Lekchuesakul (Thailand)
  O47-3. Score System for Diagnosis of Syncope after Alcohol Intake in Brugada Syndrome.
   Qi Wu (Japan)
   Giulio Conte (Switzerland)
  O47-5. The Utility of Exercise Testing in Risk Stratification of Asymptomatic Patients with Type 1 Brugada Pattern.
   Kumaraswamy Natarajan (India)

Oral Presentation 48  15:50-16:50

Diagnostic-1

Chairpersons:
  Shingo Maeda (Japan) / Hiroshi Furusho (Japan) / Kai-Hang Yiu (Hong Kong)

Speakers:
  O48-1. Initial Single Centre Experience with Leadless Pacemaker.
   Balbir Singh (India)
O48-2. Detection of Atrial Fibrillation in Asian Patients with Cryptogenic Stroke Using Implantable Loop Recorders and Remote Monitoring
Annkee How (Singapore)

O48-3. Efficacy of New-Generation Atrial Antitachycardia Pacing in Patients with Cardiac Resynchronization Therapy
Tsukasa Kamakura (Japan)

O48-4. Cardiac Resynchronization Therapy Used Together with Subcutaneous Implantable Cardioverter-Defibrillators
Mihoko Kawabata (Japan)

O48-5. What Are the Determinants of the Creation of Bidirectional Conduction Block at the Mitral Isthmus?
Kaori Hisazaki (Japan)

Allied-4
Room 413
Oral Presentation 49
8:00-9:30

Allied-5
Room 413
Oral Presentation 50
9:30-10:30

Allied Professional Program 3
13:30-15:00

Device-2

O50-2. Late Cure of Focal Ventricular Arrhythmias Post-Catheter Ablation: Electrophysiological Characteristics and Long-Term Outcome
Weizhu Ju (China)

O50-3. Elevated Homocysteine Increases the Risk of Left Atrial Thrombus in Non-Valvular Atrial Fibrillation with Low CHA2DS2-VASc Score
Yan Yao (China)

O50-4. Association between Epicardial Adipose Tissue Distribution and Atrial Fibrillation.
Hideyuki Hasebe (Japan)

O50-5. Restoration of Sinus Rhythm Improves Exercise Capacity in Patients with Persistent Atrial Fibrillation: A Meta-Analysis
Christian V Verdicchio (Australia)

Allied-6

Chairpersons:
Makoto Suzuki (Japan) / James Wong (Singapore)

Speakers:
O51-1. Prognostic Implication of Nonspecific Intraventricular Conduction Delay in Patients with Acute Heart Failure Syndrome
Ji Hyun Lee (Korea)

O51-2. Relationships between Basic Characteristics and Imaging Results of MDCT in Detection of Left Atrial Appendage Thrombus in Patients with Atrial Fibrillation
Zhengqin Zhai (China)

O51-3. Anti-Coagulation Therapy to Prevent Embolic Strokes after CABG.
Masanao Nakai (Japan)

O51-4. Real-World Characteristics of the Patients with Left Atrial Appendage Thrombi in Direct Oral Anticoagulant Therapy
Kentaro Minami (Japan)

O51-5. Inappropriate Dose Reduction of Direct Oral Anticoagulants Increases the Risk of Peri-Procedural Left-Atrial Thrombus in Patients Undergoing Atrial Fibrillation Ablation
Masahide Harada (Japan)
6. Leadless Pacemaker
Kyoko Soejima (Japan)

Allied Professional Program 4
15:00-16:30

EP Study and Catheter Ablation-2
Chairpersons:
Christine Chiu-Man (Canada) / Hui Nam Pak (Korea)
Speakers:
AP4-1. Paroxysmal Atrial Fibrillation Ablation: RF and Cryoballoon Ablation
Norishige Morita (Japan)
AP4-2. How to Modify the Substrate of Persistent AF: New Concept
Kazuhiro Satomi (Japan)
AP4-3. Mapping of Ventricular Tachycardia
Jeong-Wook Park (Korea)
AP4-4. Review of Idiopathic Ventricular Tachycardia
Mitsunori Maruyama (Japan)
AP4-5. Ablation Strategy for Secondary VT Associated with IHD
Yukio Sekiguchi (Japan)
AP4-6. Ablation Strategy for Secondary VT Associated with NICM and Inflammatory Disease
Takashi Noda (Japan)

Allied-7
Chairpersons:
Naoya Tsuboi (Japan) / Kai-Hang Yiu (Hong Kong)
Speakers:
O52-1. Results of Catheter Ablation for Atrial Fibrillation in Patients with Dilated Cardiomyopathy
Takanori Aizawa (Japan)
O52-2. Comparison of Peri-Mitral Flutter Inducibility after First Pulmonary Vein Isolation between Radiofrequency and Cryoaablation in Paroxysmal Atrial Fibrillation Patients
Naoharu Yagi (Japan)
O52-3. The Evolving Clinical Profile, Pattern of Management and Outcomes of Patients with Acute Cardiogenic Stroke (CES) at the University of the Philippines - Philippine General Hospital
Jose Eduardo DL. Duya (Philippines)
O52-4. Severe Complications Related with Ventricular Tachycardia Mapping and Ablation in Patients with Structural Heart Diseases
Fengxiang Zhang (China)
O52-5. Atrial Fibrillation May Be a Potential Risk Factor for Pulmonary Embolism
Khalid Bin Waleed (China)

Oral Presentation 54
9:30-10:30
Pharm-4
Chairpersons:
Masaharu Akao (Japan) / Ajit Thachil (India) / Moon-Hyung Lee (Korea)
Speakers:
Tsung-Ying Tsai (Taiwan)
O54-2. Obesity Causes Ventricular Ionic and Structural Remodelings and Increases Arrhythmogenecity in Rabbit Model
Wen-Han Cheng (Taiwan)
O54-3. Assessment of Ventricular Arrhythmia in Heart Failure Patients with Implantable Ventricular Assist Devices (Vad)
Daisuke Yakabe (Japan)
O54-4. Catheter Ablation of Ventricular Tachycardia Using Remote Magnetic Navigation System in Patients with Structural Heart Disease
Mitsuaki Itoh (Japan)
O54-5. Evaluation of a Novel Auto Mapping Technology for Ablating Scar Related Premature Ventricular Complexes in Cardiomyopathy Patients: A Retrospective Automap Module Validation Study
Shiro Nakahara (Japan)

Oral Presentation 55
10:30-11:30
VT-5
Chairpersons:
Junichi Nitta (Japan) / Yi-Gang Li (China) / Shih-Lin Chang (Taiwan)
Speakers:
O55-1. RFA for Left Atrial Tachyarrhythmias in RHD following Mitral and or Aortic Valve Replacement
Ulhas M Pandurangi (India)
O55-2. Cardiac MRI: Clinical Impact in Patients with Ventricular Arrhythmia and Structurally Normal Heart.
Vikas Kataria (India)

O55-3. Pericardiocentesis with a Modified Anterior Approach not Passing through the Abdominal Cavity, Confirmation from Post-Procedural Computed Tomography
Yuichi Nagamatsu (Japan)

O55-4. The Impact of Bipolar Spacing on the Characteristics of Local Signals
Masateru Takigawa (France)

Pierre C Qian (Australia)

Lead-2

Lead-2
Chairpersons:
Taijiro Sueda (Japan) / Cathy Lam (Hong Kong) / Pham Truong Son (Viet Nam)

Speakers:
O58-1. Wire Surfing Technique for Cannulation of Unvisualized Coronary Sinus Tributary for LV Lead Placement in CRT Implant Procedure
Muhammad Yamin (Indonesia)

O58-2. Paced QRS Morphology on Synthesized Right-Sided Electrocardiogram is a Simple Novel Technique for Differentiating the Free Wall Position of Right Ventricular Pacing Leads
Junji Yamaguchi (Japan)

O58-3. Clinical Significance of the Timing of Recurrence during the Blanking Period after Pulmonary Vein Isolation: Clinical Study from Two Institutes
Yosuke Murase (Japan)

O58-4. Comparison Of Outcomes After Rhythm Or Rate Control Strategy For The New-Onset Atrial Fibrillation In Sepsis Patients Managed In The Medical Intensive Care Unit
Minsoo Cho (Korea)

O58-5. Safety and Efficacy of a Novel Active Fixation Temporary Pacing Lead; First Human Experience
Martin K Stiles (New Zealand)

English Sessions
Saturday, September 16
English Sessions
O59-5. Percutaneous Epicardial Ablation of Recurrent Idiopathic Left Ventricular Tachycardia in 15-Year-Old Boy
Yoshiaki Kato (Japan)

Oral Presentation 60
8:00-9:30
AF-8

Chairpersons:
Michifumi Tokuda (Japan) / Huey-Ming Lo (Taiwan) / Ho-Chuen Yuen (Korea)

Speakers:
O60-1. Variability of Pulmonary Vein Firing Rather than Rate Is Predictive of Long-Term Outcome following Catheter Ablation for Persistent AF
Sandeep Prabhu (Australia)

O60-2. Assessment of Left Atrial Function Using Cardiac Magnetic Resonance Imaging in Patients with Atrial Fibrillation
Kwang-No Lee (Korea)

O60-3. Impact of the Hypertensive Left Ventricular Hypertrophy on the Recurrence of Paroxysmal Atrial Fibrillation after a Second-Generation Cryoballoon Ablation
Tomonori Watanabe (Japan)

O60-4. Simultaneous Left and Right Atrial Anti-Tachycardia Pacing for the Termination of Atrial Fibrillation during Catheter Ablation of Atrial Fibrillation
Shingo Maeda (Japan)

O60-5. Clinical Outcomes of Atrial Fibrillation Driver Ablation: A Systematic Review
Tina Baykaner (United States)

O60-6. Left Atrial Voltage Map Created during Sinus Rhythm by NAVX Almost the Same as That by Carto in Patients with Atrial Fibrillation (AF)
Toyokazu Otsubo (Japan)

O60-7. Comparison of Complication of Cryoballoon and Radiofrequency Ablation
Tsukasa Iwasaki (Japan)

Oral Presentation 61
9:30-10:30
CRT-3

Chairpersons:
Hitoshi Minamiguchi (Japan) / Joshua M. Cooper (United States) / Jianguang Zou (China)

Speakers:
O61-1. T-Axis Deviation on 12-Leads Electrocardiography Represents Left Ventricular Dyssynchrony in Patients with Complete Left Bundle Branch Block
Munehiro Iiya (Japan)

O61-2. The Relationship between Indication for Implantable Cardioverter Defibrillator Therapy and the Prognosis of Patients with Acute Decompensated Heart Failure With Reduced Ejection Fraction
Reo Hata (Japan)

O61-3. Automated Selection of LV Pacing Vector for Optimizing Cardiac Resynchronization.
Vikas Katania (India)

O61-4. Usefulness of Gated Myocardial Perfusion SPECT for Optimal Left Ventricular Lead Position
Rena Nakamura (Japan)

O61-5. Chronic Preclinical Performance of a Novel Active Fixation Quadripolar Left Ventricular Lead
Nathan A Grenz (United States)

Oral Presentation 62
10:30-11:30
AF-9

Chairpersons:
Masaomi Kimura (Japan) / Louise Burrell (Australia) / Gang Yang (China)

Speakers:
O62-1. Regression of Ventricular Fibrosis following AF Ablation in Patients with Persistent AF and Systolic Heart Failure
Sandeep Prabhu (Australia)

O62-2. Ablation of Intractable Ventricular Arrythmias In Immediate Post Operative Period
Jaishankar Krishnamoorthy (India)

O62-3. Left Atrial and Pulmonary Vein Reentrant Tachycardia Associated with Two Gaps after Pulmonary Vein Isolation
Yukio Hosaka (Japan)

Michifumi Tokuda (Japan)

Featured Research Session 3
13:30-14:50
FRS3-3

Chairpersons:
Kazuo Matsumoto (Japan) / Andreas Metzner (Germany) / Claudio Tondo (Italy)

Keynote Lecture:
FRS3-KL Current Topics in the Management of Atrial Fibrillation
Claudio Tondo (Italy)

Speakers:
FRS3-1. Percutaneous Left Atrial Appendage Closure with the Watchman Device: 12 Month Outcomes from the WASP Asia-Pacific Registry.
Karen P Phillips (Australia)

FRS3-2. It is Difficult to Maintain Stable Warfarin Control in Japanese Patients with Nonvalvular Atrial Fibrillation: A Subanalysis of J-Rhythm Registry
Hiroshi Inoue (Japan)

FRS3-3. Infiltration and Qualitative Alteration of Epicardial Adipose Tissue Is Associated with Inflammatory Atrial Fibrosis as a Substrate of Atrial Fibrillation
Ichitaro Abe (Japan)

FRS3-4. Comparing Properties of Atrial Fibrillation Drivers near Pulmonary Veins versus Elsewhere in the Atria
Rachita Navara (United States)

FRS3-5. A Comparison of Catheter Ablation and Rate-Control in Patients with Long-Standing Atrial Fibrillation
Keiji Inoue (Japan)
Oral Presentation 63 14:50-15:50
Tachy-2

Chairpersons :
Takeshi Mitsuhashi (Japan) / Wei Hua (China) / Kamal K. Sethi (India)

Speakers :
O63-1. RF Ablation of Paroxysmal Atrial Fibrillation with Open-Irrigated Catheters: Results of the Zero AF Clinical Trial
Andrea Natale (United States)
O63-2. Usefulness of the Novel Tube-Exercise Test to Avoid Myopotential Interference in Patients with Subcutaneous Implantable Cardioverter-Defibrillator
Yuji Ishida (Japan)
O63-3. Wearable Cardioverter Defibrillator: Our Experience with 19 Patients
Jun Kishihara (Japan)
O63-4. Differences in Clinical Characteristics and Risk Factors in 1.5-Prevention Patients in the Improve SCA Study
Jae-Sun Uhm (Korea)

Oral Presentation 66 10:00-11:30

SVT-5

Chairpersons :
Yoshiaki Kaneko (Japan) / Mohammad Shenasa (United States) / Xunzhang Wang (United States)

Speakers :
O66-1. Cryoballoon Guided Linear Ablation for Left Atrial Macro-Reentrant Tachycardia
Yasuteru Yamauchi (Japan)
O66-2. Learning Curve in Cryoballoon Ablation of Paroxysmal Atrial Fibrillation
Nobuaki Tanaka (Japan)
O66-3. Surgery for Atrial Fibrillation with Aortic Valve Disease
Atsushi Hiromoto (Japan)
O66-4. Ridge-Related Reentry of Patient Undergoing Linear Ablation of Left Atrium for Treatment of Atrial Tachyarrhythmia
Hee-Soon Park (Korea)
O66-5. Epicardial Ablation via Coronary Sinus for an Epicardial Conduction Gap in Recurrent Peri-Mitral Flutter
Ninh Quang Hoang (Taiwan)
O66-6. Determination of the Appropriate Ablation Site for Atrioventricular Nodal Reentrant Tachycardia Using a Novel Ablation Catheter with Microelectrodes
Yuichiro Miyazaki (Japan)

Invited Symposium 69 (Basic/Genetic 12) 13:30-15:00
Pharmacological Management of Arrhythmias

Chairpersons :
Hiroshi Morita (Japan) / Sami Viskin (Israel) / Yufeng Hu (Taiwan) / Charles Antzelevitch (United States)

Keynote Lecture :
IS69-KL Atrial-Selective Sodium Channel Block for the Management of Atrial Fibrillation
Charles Antzelevitch (United States)

Speakers :
IS69-1. Antiarrhythmic Effects of Autonomic Drugs and Modulation
Peng-Sheng Chen (United States)
IS69-2. Therapeutic Target of Atrial Fibrillation
Masatoshi Yamazaki (Japan)
IS69-3. β-Blocker Therapy in Pregnant Women with Long-QT Syndrome
Keiichi Ishibashi (Japan)
**Invited Symposium 70 (AF-13)** 16:10-18:00

**Can Catheter Ablation of Atrial Fibrillation Reduce the Incidence of Stroke?**

**Chairpersons:**
Kengo Kusano (Japan) / Tze-Fan Chao (Taiwan) / Nwe Nwe (Myanmar) / Richard Schilling (United Kingdom)

**Keynote Lecture:**
I570-KL Can Catheter Ablation of Atrial Fibrillation Reduce The Incidence of Stroke?  
Richard Schilling (United Kingdom)

**Speakers:**
I570-1. Silent Cerebral Infarction in Catheter Ablation for AF  
Venkat Tholakanahalli (United States)
I570-2. Who Can Stop Oral Anticoagulatiant after AF Ablation?  
Aman Chugh (United States)
I570-3. Clinical Challenges of AF Detection in Patients with Cryptogenic Stroke  
Jian-Ming Li (United States)
I570-4. Thromboembolism Risk and Catheter Ablation for AF  
Seung-Young Roh (Korea)
I570-5. Prognostic Significance of AF Burden or Amount of AF In Relation to Stroke  
Lin Yee Chen (United States)

**Oral Presentation 68** 9:30-10:20

**Compli-1**

**Chairpersons:**
Satoshi Higa (Japan) / Dominik Linz (Australia)

**Speakers:**
O68-1. Pulmonary Vein Laceration during Cryoballoon Ablation for Treatment of Atrial Fibrillation  
Shiro Nakahara (Japan)
O68-2. Impairment of the Atrioventricular Nodal Fast Pathway as a Cause of Atrioventricular Block after Transcatheter Aortic Valve Implantation  
Hideharu Okamatsu (Japan)
O68-3. Contralateral Pneumothorax and Pneumopericardium after Dual Chamber Pacemaker Implantation  
Teerapat Nantsupawat (United States)
O68-4. Late Ratchet Syndrome Involving Isolated Left Ventricular Lead Dislodgement Post CRTD Generator Change  
Vernhsen Tan (Singapore)

**Oral Presentation 69** 10:30-11:30

**Pediatric-2**

**Chairperson:**
Naomi Izumida (Japan) / Elizabeth A. Stephenson (Canada) / Pi-Chang Lee (Taiwan)

**Speakers:**
O69-1. Distribution of Origin of Ectopic Atrial Tachycardia in Young People and Success Rate of Catheter Ablation by Site  
Tatsuhiro Hira (Japan)
O69-2. Fluoroscopy Reduction in Pediatric Ablation Procedures: A Single-Center Experience  
Kohei Sumihara (United States)
O69-3. Treatment of Junctional Ectopic Tachycardia during Total Cavopulmonary Connection Procedure and 10 Years Follow Up in Patients with Asplenic Heart  
Kosei Tanaga (Japan)
O69-4. Using Adult ECG Algorithm Predict the Location of Accessory Pathway in Pediatric Manifest WPW Syndrome - Is It Optimal or Suboptimal?  
Hsing-Yuan Li (Taiwan)
O69-5. Age Dependent Changes of T Wave Polarity in Japanese School Children  
Yoshiaki Kato (Japan)

**Oral Presentation 70** 13:30-15:00

**Lead-1**

**Chairpersons:**
Toshiko Nakai (Japan) / Jun Kim (Korea) / Kheng Siang Ng
Oral Presentation 71 15:00-16:30

**CHF-2**

**Chairpersons:**
Shingo Sasaki (Japan) / Yi-Hsin Chan (Taiwan) / Sang Weon Park (Korea)

**Speakers:**
O71-1. Low-Level Carotid Baroreflex Stimulation Protects against Ventricular Arrhythmias in Heart Failure Canines
Mingwei Bao (China)

O71-2. Efficacy of Tolvaptan in Patients Receiving Cardiac Resynchronization Therapy
Daisuke Wakatsuki (Japan)

O71-3. Sex Difference in the Efficacy of Cardiac Resynchronization Therapy in Cardiac Sarcoidosis -From Japanese Nationwide Cohort Survey-
Kosuke Nakasuka (Japan)

O71-4. Continuous Respiratory Rate Is Superior to Routine Outpatient Dyspnea Assessment for Predicting In-hospital Heart Failure Events
Tachapong Ngarmukos (Thailand)

O71-5. Essential Causes of Re-Hospitalization in Patients with Congestive Heart Failure: Left Ventricular Dyssynchrony and Atrial Fibrillation
Masato Shimizu (Japan)

O71-6. Wound Troubles in Insertable Cardiac Monitoring Implantation
Hideyuki Kishima (Japan)

O71-7. Heart Failure Diagnostic Sensor Measurements in Patients from United States versus Other Countries
Andrea Natale (United States)

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**Oral Presentation 72** 16:30-18:00

**SVT-7**

**Chairpersons:**
Hiroshige Yamabe (Japan) / Wen-Chin Ko (Taiwan) / Jayaprakash Shenthar (India)

**Speakers:**
O72-1. The Relationship of Early Recurrence And Late Recurrence after Catheter Ablation for Atrial Fibrillation Used with Steerable Sheath.
Daisuke Wakatsuki (Japan)

O72-2. Simple Electrocardiography Algorithm for Localizing Accessory Pathway in Patients with Wolff-Parkinson-White Syndrome
Arndestiro Harnindyo Putro (Indonesia)

O72-3. Paradoxical Resetting on Atrial Entrainment Pacing of Atypical Fast-Slow Atrioventricular Reentrant Tachycardia by Enhancing Retrograde Conductivity of Slow Pathway
Yoshiaki Kaneko (Japan)

O72-4. Secondary Onset of a New Preexcitation after Successful Ablation of an Accessory Pathway
Christophe Divernois (France)

O72-5. Ablation of Drug-Refractory Atrial Tachycardia Originated from the Mid-Proximal Portion of the Atrial Appendage
Satoshi Kawada (Japan)

O72-6. Nifekalant Terminate Persistent Paroxysmal Supraventricular Tachycardia with the Patient with Tachycardia Induced Cardiomyopathy
Tadashi Hoshiyama (Japan)

O72-7. A Case of Successful Ablation for Anteroseptal Accessory Pathway: RS in Lead V1 as a Predictor of Successful Ablation at the Non-Coronary Cusp
Masahiro Hada (Japan)

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**Invited Symposium 71 (SVT-4)** 8:30-10:00

**Management of AT following AF-Ablation**

**Chairpersons:**
Teiichi Yamane (Japan) / Guodong Niu (China) / Rajat Sharma (India) / Andreas Metzner (Germany)

**Keynote Lecture:**
IS71-KL Management of AT after AF Ablation
Andreas Metzner (Germany)

**Speakers:**
IS71-1. Localization of Post-AF Atrial Flutter
Seongwook Han (Korea)

IS71-2. Catheter Ablation of Peri-Mitral Atrial Flutter
Seichiro Matsuo (Japan)

IS71-3. Transcatheter Ablation of Atrial Arrhythmia in Repaired Congenital Heart Disease
Shuenn-Nan Chiu (Taiwan)

IS71-4. Ablation of Atrial Arrhythmias following Fontan Repair
Yoshide Nakamura (Japan)
Invited Symposium 72 (VT-9)  
**10:00-11:30**

**Chemical Ablation for VT**

**Chairpersons:**
- Kaoru Okishige (Japan) / Balbir Singh (India) / Jen-Che Hsieh (Taiwan) / William G. Stevenson (United States)

**Keynote Lecture:**
IS72-KL Alternative Approaches for Ablation of Resistant VT
William G. Stevenson (United States)

**Speakers:**
- IS72-1. Chemical Ablation for Refractory VT
  Michifumi Tokuda (Japan)
- IS72-2. Chemical Ablation Experience
  Calambur Narasimhan (India)
- IS72-3. Alternative Intervention When Endo/Epi Fails@ U Penn
  Francis E. Marchlinski (United States)
- IS72-4. Alternative Intervention When Endo/Epi Fails: Experience in Australia
  Aravinda Thiagalingam (Australia)

Invited Symposium 73 (Device-9)  
**13:30-15:00**

**Update for MRI Examination in Patients with CIEDS**

**Chairpersons:**
- Toshiyuki Ishikawa (Japan) / Amitabh Yaduvanshi (India) / Sungwon Jang (Korea) / Michael R Gold (United States)

**Keynote Lecture:**
IS73-KL Update for MRI and Radiation Exposure in Patients with CIEDS
Michael R Gold (United States)

**Speakers:**
- IS73-1. MRI Conditional Pacemaker, Do We Need It?
  Dae-Hee Shin (Korea)
- IS73-2. MRI Conditional Devices, Real World Utility
  Vikas Kataria (India)
- IS73-3. MRI Examination in Patients with Non-MRI Conditional CIED
  Saman Nazarian (United States)
- IS73-4. Coming New Guideline
  Chu-Pak Lau (Hong Kong)

Invited Symposium 74 (Device-10)  
**15:00-16:30**

**Current Status and Management of Recalled Leads**

**Chairpersons:**
- Takashi Yamada (Japan) / Kwok-Keung Chan (Hong Kong) / Dilip Kumar (India) / Bruce L. Wilkoff (United States)

**Keynote Lecture:**
IS74-KL Current Status and Management of Recalled Leads
Bruce L. Wilkoff (United States)

**Speakers:**
- IS74-1. Risk Factors for ICD Lead Fracture
  Koichiro Ejima (Japan)
  Hiroshi Nakajima (Japan)
- IS74-3. Managing Patients with Advisory ICD Leads
  Paul Gould (Australia)
- IS74-4. Transvenous Extraction Profile of Recalled ICD Leads
  Joshua M. Cooper (United States)

Invited Symposium 75 (SVT-5)  
**16:30-18:00**

**Thirty Year History of SVT Diagnosis and Ablation**

**Chairpersons:**
- Kenzo Hirao (Japan) / Chuen-Wang Chiou (Taiwan) / Masahiro Ogawa (Japan) / Sanjeev Saksema (United States)

**Keynote Lecture:**
IS75-KL Thirty Year History of SVT Diagnosis and Ablation
Sanjeev Saksema (United States)

**Speakers:**
- IS75-1. Diagnosis and Ablation of AVNRT
  Warren M. Jackman (United States)
- IS75-2. Diagnosis and Ablation of Atrial Flutter
  Nadir Saoudi (Monaco)
- IS75-3. Atrial Tachycardia Ablated from Aortic Cusp
  Shomu Bohora (India)
- IS75-4. Diagnosis and Ablation of AT following Cardiac Surgery
  Jonathan M. Kalman (Australia)

Room 501

**Educational Lecture 5**  
**8:00-9:00**

**New Technologies of Catheter Ablation of Ventricular Tachycardia**

**Chairperson:** Kaoru Sugii (Japan)

**Speakers:**
- ELS-1. Cardiovascular Magnetic Resonance Guided Ablation
  Gerhard Hindricks (Germany)
- ELS-2. Alternative Interventional Procedures When Endo- And Epicardial Ablation Fail
  William G. Stevenson (United States)

**JHRS-HRS Joint Session**  
**13:00-14:30**

**Catheter Ablation of Complex Ventricular Tachyarrhythmias**

**Chairpersons:**
- Douglas Packer (United States) / Koichiro Kumagai (Japan)

**Speakers:**
- JH-1. Time Course and Factors Correlating With Ventricular Tachyarrhythmias After Introduction of Steroid Therapy in Cardiac Sarcoidosis
  Koji Fukuda (Japan)
- JH-2. Catheter Ablation of VT in Patients with ARVC and Sarcoidosis
  Francis E. Marchlinski (United States)
- JH-3. Catheter ablation of Idiopathic Left Fascicular VTs: Reentrant and Non-reentrant
  Yuki Komatsu (Japan)
- JH-4. Catheter Ablation of VT in Patients with Non-Ischemic Cardiomyopathy (Except ARVC and Sarcoidosis)
  William G. Stevenson (United States)
Oral Presentation 73  
14:30-15:30

**AF-10**

**Chairpersons:**
Seiji Takatsuki (Japan) / Hyoung-Seob Park (Korea) / Swee Chong Seow (Singapore)

**Speakers:**
O73-1. Predictors of Durable Carina Lesion Formation after Pulmonary Vein Isolation Using a Second-Generation Cryoballoon  
Rintaro Hojo (Japan)

O73-2. Mapping of Arrhythmogenic Properties in Left Atrial Low Voltage Areas in Patients with Atrial Fibrillation  
Hironori Satou (Japan)

O73-3. Influence of the Polar Distance of Mapping Catheter on Voltage Substrate Map  
Hitoshi Mori (Japan)

O73-4. Electrophysiological Remodelling of the Atria and Pulmonary Veins in Co-Morbid Persistent Atrial Fibrillation and Systolic Heart Failure  
Sandeep Prabhu (Australia)

O73-5. Improved Outcome by Atrial Tachycardia Ablation after Modified Extensive Encircling of Pulmonary-Vein Isolation Guided by Complex Atrial Fractionated Electrograms (CFAE-Guided EEPVI) for Long-Standing Atrial Fibrillation  
Akihiro Yoshida (Japan)

Oral Presentation 74  
15:30-16:30

**AF-11**

**Chairpersons:**
Takeshi Tsuchiya (Japan) / Jeong-Wook Seo (Korea) / Myung-Jin Cha (Korea)

**Speakers:**
O74-1. Non-Paroxysmal Atrial Fibrillation Wave Dynamics Were Determined by Age Rather than Echocardiographic Measurements or BNP: Extra Mapping Project  
Kensuke Sakata (Japan)

O74-2. Discrepancy between Atrial Delayed Enhancement Magnetic Resonance Imaging and Electroanatomic Voltage Map in Patients Undergoing De Novo Ablation for Atrial Fibrillation  
Hee-Soon Park (Korea)

O74-3. Temporal and Spatial Stability of AF-Sources and Impact on Optimal Recording Duration  
Christopher A. Kowalewski (United States)

O74-4. Innovative Reduction of Radiation Exposure Using Original Fluoroscopic Imaging Methods and Non-Contrast Magnetic Resonance Imaging for the Integration of Electro-Anatomical Mapping  
Sonoko Matsuyama (Japan)

O74-5. Adverse Effect of Left Anterior Line on Left Atrial Function in Patients with Atrial Fibrillation  
Hirosuke Yamaji (Japan)

Oral Presentation 75  
16:30-18:10

**AF-12**

**Chairpersons:**
Takashi Ashihara (Japan) / James Wong (Singapore) / Andrew McGavigan (Australia)

**Speakers:**
O75-1. Evaluation of the Dose Distribution for the Treatment of Atrial Fibrillation with Cyberheart System  
Masaaki Shoji (Japan)

O75-2. A Line of Fragmented Potentials Exhibits Markedly Slowed Conduction in or around Low Voltage Zone  
Akira Fukui (Japan)

O75-3. Dynamic Change of Sites with Fragmented Potentials in the Left Atrium during Sinus Rhythm and Coronary Sinus (CS) Pacing in Patients with Atrial Fibrillation (AF)  
Akira Fukui (Japan)

O75-4. Safety and Effectiveness of the Watchman Device in the United States Commercial Cases in 1-Year Follow-Up: Single Center Experience  
Yoshihumi Nakajima (United States)

O75-5. Experience of Uninterrupted Periprocedural Anticoagulant Administration in Patients Undergoing Cryoballoon Ablation for Atrial Fibrillation: Frequency of Silent Cerebral Infarction  
Yuki Osaka (Japan)

O75-6. Maintenance of Sinus Rhythm after Electrical Cardioversion Is Associated with Clinical Success of Catheter Ablation in Patients with Persistent Atrial Fibrillation  
Kenichi Yokoyama (Japan)

O75-7. Extra Mapping-Guided Ablation Targeting Non-Passively Activated Area Is Very Effective for Long-Standing Persistent Atrial Fibrillation  
Takashi Ashihara (Japan)

O75-8. Impact of Left Atrial Ejection Fraction In Patients Undergoing Catheter Ablation for Paroxysmal Atrial Fibrillation  
Masato Fukunaga (Japan)

**Invited Symposium 76 (Basic/Genetic-13)**  
16:30-18:00

**LQT/CPVT: Up-to-Date**

**Chairpersons:**
Takeshi Aiba (Japan) / Jitendra Vohra (Australia) / Gyo-Seung Hwang (Korea) / Michael J. Ackerman (United States)

**Keynote Lecture:**
IS76-KL LQT/CPVT: Up-to-Date  
Michael J. Ackerman (United States)

**Speakers:**
IS76-1. Cardiac Genetic Counselling for Inherited Arrhythmia Disorders  
Jodie Ingles (Australia)

IS76-2. RYR2 Mutations in LQTS  
Seiko Ohno (Japan)

IS76-3. Drug-Induced LQTS  
Jong-II Choi (Korea)
Occlusion of the Left Atrial Appendage Is Preferable to Anticoagulation to Prevent Stroke in Atrial Fibrillation Patients

Speakers:
- GD2-1. Pro: Nitish Badhwar (United States)
- GD2-2. Con: Congxin Huang (China)

Does Patient with Ischemic Heart Disease and Afib Require ‘Triple Therapy’?

Speakers:
- GD3-1. Pro: Takashi Komatsu (Japan)
- GD3-2. Con: Chern-En Chiang (Taiwan)

Tips in Programming of ICD and CRT

Speakers:
- EL6-1. Tips in Programming CRT-P and CRT-D: Bruce L. Wilkoff (United States)
- EL6-2. Tips in Programming of ICD: Takashi Kurita (Japan)

Primary Prevention with ICD Implantation in Non-Ischemic Cardiomyopathy Should Not Be Routinely Performed

Speakers:
- GD4-1. Pro: Hiroya Mizuno (Japan)
- GD4-2. Con: Yong Mei Cha (United States)

Substrate-Based Ablation Is Better than Electrophysiology Based Ablation for VT

Speakers:
- Akihiko Nogami (Japan) / Ali Oto (Turkey) / Balbir Singh (India)

Speakers:
- GD5-1. Pro: Geoffrey Lee (Australia)
- GD5-2. Con: Shiro Nakahara (Japan)

Essential Cardiac Anatomy Related to Cardiac Device and Ablation Therapy for Electrophysiologists

Speakers:
- RF13-1. Sex Differences of Imaging-Guided Cardioembolic or Non-Cardioembolic Risk Factors in Patients With Ischemic Stroke and Non-Valvular Atrial Fibrillation: Pil-Sung Yang (Korea)
- RF13-2. Long-Term Outcome after Second-Generation Cryoballoon Ablation for Paroxysmal Atrial Fibrillation: Over 2-Year Follow-Up: Ken Takarada (Belgium)
- RF13-3. Differences in Endothelial Dysfunction Induced by Paroxysmal and Persistent Atrial Fibrillation: Insights from Restoration of Sinus Rhythm by Catheter Ablation: Keisuke Okawa (Japan)
- RF13-4. A New Technique for Box Isolation Using 2nd-Generation Cryoballoon for Persistent Atrial Fibrillation: Saori Tsukuda (Japan)
- RF13-5. Catheter Ablation Prevents Perpetuation of Atrial Fibrillation and Heart Failure in Patients with Hypertrophic Cardiomyopathy: Daisuke Yakabe (Japan)

Allied-3

Speakers:
- Allied-3. Hiroto Takeda (Japan) / Hitoshi Hachiya (Japan)
Speakers:
RF14-1. Usefulness of Deceleration Capacity in Connection with Glucose Tolerance in Acute Coronary Syndrome.
Katsuaki Sakai (Japan)
RF14-2. The Influence of Socioeconomic Factors on Risk Factor Management and Outcomes in Patients with Atrial Fibrillation
Melissa E Middeldorp (Australia)
RF14-3. Safety and Practical Use of Idarucizumab for Dabigatran Reversal in the Case of Uncontrollable Bleeding from the Puncture Site at the Setting of Catheter Ablation
Hirohiko Suzuki (Japan)
RF14-4. The Case of a Higher Incidence of Successful Atrial Tachycardia Termination With Higher Amplitude Atrial Anti-Tachycardia Pacing In The Same Patient
Kentaro Ozu (Japan)
RF14-5. <Withdrawal>
RF14-6. Right Ventricular Epicardial Substrate Ablation for a Patient with Severely Symptomatic Brugada Syndrome
Takashi Nakashima (Japan)

Rapid Firing Session 15
10:30-11:30

AF-S
Chairpersons:
Yoshinari Goseki (Japan) / Ton That Minh (Viet Nam)

Speakers:
RF15-1. Impact of Contrast Agent Concentration on the Completion of the Pulmonary Vein Isolation during Hotballoon Ablation
Yoshinori Nakamura (Japan)
Satoshi Yanagisawa (Japan)
RF15-3. The Risk of Thromboembolic Events after Catheter Ablation of Atrial Fibrillation.
Shintaro Yamagami (Japan)
RF15-4. Reverse Remodeling of Pulmonary Veins after Radiofrequency Ablation to Persistent Atrial Fibrillation
Hiroyuki Inoue (Japan)
RF15-5. Characteristics of Late Recurrence of Atrial Fibrillation After Catheter Ablation
Masaru Arai (Japan)
RF15-6. Outcomes of Cryoballoon-Based Pulmonary Vein Isolation in Patients with Paroxysmal and Persistent Atrial Fibrillation Compared with Radiofrequency Ablation: Single-Center Experience
Tatsuhiko Hirao (Japan)

Rapid Firing Session 16
13:30-14:30

SCD
Chairpersons:
Masatake Fukunami (Japan) / Priya Chockalingam (India)

Speakers:
RF16-1. Systematic Review and Meta-Analytic Evidence for a Relation between Obesity and Sudden Cardiac Death
Thomas A. Agbaedeng (Australia)
RF16-2. Tpeak - Ten as an Electrocardiographic Risk Marker of Arrhythmic and Mortality Outcomes: A Systematic Review and Meta-Analysis
Gary Tse (Hong Kong)
RF16-3. Cardiac Autonomic Dysfunction with Arrhythmogenic Sympathetic Hyperactivity after Exposure to Particulate Matter 2.5 Air Pollution
Tsung-Ying Tsai (Taiwan)
RF16-4. Circadian Rhythm Dynamics on Multiscale Entropy Identifies Risk of Sudden Cardiac Death in Chronic Kidney Disease
Shin-Huei Liu (Taiwan)
RF16-5. Characteristics of Heart Rate Variability in Healthy Subjects with a Wide Range of Age Using Holter Electrocardiograms
Yoshinori Inagaki (Japan)
RF16-6. Prognosis of Cardiac Sarcoidosis in Patients with Implantable Cardioverter Defibrillator - Histological Diagnosis Versus Clinical Diagnosis -
Miyo Nakano (Japan)

Rapid Firing Session 17
14:30-15:30

Pediatric-1
Chairpersons:
Jun Yoshimoto (Japan) / Ajay M Naik (India)

Speakers:
RF17-1. Predictive Value of the Heart Rate Variability and Blood Pressure Fluctuation during Head-Up Tilt Test in Children with Neuromediated Syncope
Ji-Eun Ban (Korea)
RF17-2. Aborted Sudden Cardiac Arrest In An Adult Patient With Partial Anomalous Origin Of Left Coronary Artery From Pulmonary Artery
Yuna Kim (Korea)
RF17-3. Does Separation of Atrioventricular (AV) Potentials during an Orthodromic AV Reentrant Tachycardia Suggest the Sign Peculiar to a Right Mid-Septal Accessory Pathway (Ap)?
Kazushi Tanaka (Japan)
RF17-4. Arrhythmias in a Patient with Pheochromocytoma: A Case Report
Alexander D. Reyes (Philippines)
RF17-5. Catheter Ablation of Ventricular Arrhythmia in Acromegaly Patient: A Case Report
Simon Salim (Taiwan)
RF17-6. Which Is the Successful Ablation Site, above or Just beneath the Coronary Cusp?- Report of Three Ventricular Arrhythmia Cases
Shigeki Kusa (Japan)

Rapid Firing Session 18
15:30-16:30

VT/VF/VPC3
Chairpersons:
Keisuke Kuga (Japan) / Kheng Siang Ng (Singapore)
Speakers:
RF18-1. Prediction of Sudden Cardiac Death in Hypertrophic Cardiomyopathy: The Importance of Accurate Maximal Wall Thickness Measurement Using Multi-Modality Imaging.
Michael B Stokes (Australia)
RF18-2. A Case of Ventricular Premature Contraction Originating from Left Ventricular Outflow Associated with Transcatheter Aortic Valve Replacement
Shota Tohoku (Japan)
RF18-3. Activation Mapping of a Haemodynamically Significant Ventricular Tachycardia (VT) with Venoarterial Extracorporeal Membrane Oxygenation (VA-ECMO) for Haemodynamic Support, in a Patient with Heart Failure
Anandaroop Lahiri (India)
RF18-4. Case Report: Abnormality of Pacemaker Function and Arrhythmic Storm with Acquired LQTS Occurring after Generator Replacement: Is Sepsis or Medication Responsible for These?
Nanqing Xiong (China)
RF18-5. First Described Clinical Case of Malignant Mitral Valve Prolapse Syndrome for Electro-Anatomical Mapping-Guided Surgical Cryoablation and Subcutaneous Implantable Cardioverter-Defibrillator Implantation
Yap-Hang Chan (Hong Kong)
RF18-6. COPD Exacerbations as Triggers for Ventricular Tachycardia Storms
Jonathan Nattiv (United States)

[Booth 2]
Rapid Firing Session 19 8:30-9:30

AF-3
Chairpersons:
Kenji Enta (Japan) / Pipin Kojodjojo (Singapore)
Speakers:
RF19-1. Conduction Delay or Block across a Line of Fragmented Potentials during Sinus Rhythm (SR) in Patients with Atrial Fibrillation (AF)
Akira Fukui (Japan)
RF19-2. Not All Non-Paroxysmal Atrial Fibrillation Drivers Are Included in Complex Fractionated Electrogram Area Or Low-Voltage Area: Extra Mapping Project
Kensuke Sakata (Japan)
RF19-3. Comparing the Electrophysiologic and Electroanatomic Characteristics between the Right and Left Atrium in Persistent Atrial Fibrillation: Is the Right Atrium a Window into the Left?
Sanjeev Prabhu (Australia)
RF19-4. New Approach to Avoid Phrenic Nerve Injury before and during Cryoballoon Ablation
Ken Terata (Japan)
RF19-5. Contact Force Measurement of Hotballoon
Atsushi Kobori (Japan)
RF19-6. The Analysis of the Isolated Area by Pulmonary Vein Isolation with Cryoballoon in the Patients with a Left Common Pulmonary Vein.
Takatoshi Shigeta (Japan)

Rapid Firing Session 20 9:30-10:30

AF-4
Chairpersons:
Taishi Kuwahara (Japan) / Adrian Elliott (Australia)
Speakers:
RF20-1. Characterization of Catheter-Tissue Contact Force for Achieving Cavotricuspid Isthmus Block of Atrial Flutter in Patients with Severe Pulmonary Arterial Hypertension
Xiaolan Dong (China)
RF20-2. The Performance of Apple, MB-LATER, and CAAPAF Score in Predicting Recurrence of Atrial Fibrillation Post Ablation in Indonesian Cohort
Benny M Setiadi (Indonesia)
RF20-3. Catheter Ablation of Immediate Recurrence of Atrial Fibrillation Triggers after Pulmonary Vein Isolation in Paroxysmal and Persistent AF Patients
Jun Nakajima (Japan)
RF20-4. Three-Year Clinical Outcome after 2nd-Generation Cryoballoon-Based Pulmonary Vein Isolation For Atrial Fibrillation a 2-Center Experience
Osamu Inaba (Germany)
RF20-5. Electrophysiological Characteristics And Long-Term Outcomes of the Third or More Catheter Ablation Procedures in Patients with Atrial Fibrillation.
Yuko Hirao (Japan)
RF20-6. Impact of Low Voltage Area Ablation on Outcome for Persistent Atrial Fibrillation
Hirosuke Yamaji (Japan)

Rapid Firing Session 21 10:30-11:30

Device-3
Chairpersons:
Akihiko Yotsukura (Japan) / Daigo Yagishita (Japan)
Speakers:
RF21-1. Clinical Advantage of CRT-P for Older Patients With Multiple Comorbidities Compared With Crt-D.
Satoshi Iwamiya (Japan)
RF21-2. The Efficacy of Early CRT-D Implantation for the Patients with LMNA-Associated Cardiomyopathy
Yuki Hasegawa (Japan)
RF21-3. Transvenous Permanent Pacemaker Implantation in Patients with Persistent Left Superior Vena Cava
Teng Li (China)
RF21-4. Inappropriate Tachycardia with CLS Pacemaker Induced by Sublingual Nitrates
Ainsley Goff (Australia)
RF21-5. <Withdrawal>
RF21-6. Right Ventricular Endocardial Lead Implantation through Bioprosthetic Tricuspid Valve for Cardiac Resynchronization Therapy
Taishi Kato (Japan)

Rapid Firing Session 22 13:30-14:30

AF-6
Chairpersons:
Yumie Matsui (Japan) / Man Young Lee (Korea)
Speakers:

RF22-1. Relationship between Early Recurrence and Late Recurrence after Catheter Ablation for Atrial Fibrillation; A Subanalysis from the East-AF Trial
Naoaki Onishi (Japan)

RF22-2. A Case of Cardiopulmonary Arrest due To Wire Perforation during Hot Balloon Procedure for Pulmonary Vein Isolation
Takahiro Okano (Japan)

RF22-3. Influence of Brain Natriuretic Peptide on Characteristics of Ganglionated Plexi on Epicardial Fad Pad and its Ablation Effect in Patients with Non-Paroxysmal Atrial Fibrillation
Takayuki Iida (Japan)

RF22-4. A Case of Dead End Marshall Bundle Mimicking Conduction Block through the Mitral Isthmus
Iwanari Kawamura (Japan)

RF22-5. Termination of Longstanding Persistent Atrial Fibrillation by Ripple Map-Guided Ablation: A Case Report of New Ablation Strategy for Persistent Atrial Fibrillation
Kento Yabe (Japan)

RF22-6. Impact of Rhythm Control on the Cardiac Function in Persistent Atrial Fibrillation with Severe Left Ventricular Systolic Dysfunction
Daisuke Yoshimoto (Japan)

Pharm-3

Chairpersons:
Yoshimasa Murakami (Japan) / Sung Ho Hwang (Korea)

Speakers:

RF23-1. The Impact of Pulmonary Vein Isolation on the Arrhythmogenicity in the Left Atrial Posterior Wall
Shunsuke Kawai (Japan)

RF23-2. Comparisons of Outcomes between Hot Balloon and Cryoballoon Ablation in Patients with Atrial Fibrillation
Takeshi Sasaki (Japan)

RF23-3. A Case of Focal Atrial Tachycardia Originating from Mitral Annulus-Aorta Junction
Kazuya Mizukami (Japan)

RF23-4. Occurrence of Right Atrial Tachycardia after Pulmonary Vein Isolation in 2 Patients with Atrial Fibrillation
Kentaro Nakamura (Japan)

RF23-5. A Chicken or Egg Question in a Patient with Repetitive Atrial Tachycardia and Low Left Ventricular Function; Tachycardia Mediated Cardiomyopathy In A Young Male
Hisao Matsuda (Japan)

RF23-6. Cryoablation is Effective for Some type of Atrial Tachycardia
Haruo Mitani (Japan)

Rapid Firing Session 23 14:30-15:30

Core Curriculum Session 4 8:20-9:50

Chairpersons:

Chu-Pak Lau (Hong Kong) / Wataru Shimizu (Japan) / Tachapong Ngarmukos (Thailand)

Speakers:

CC4-1. Cardiac Ryanodine Receptor Channel and Inherited Arrhythmia Syndrome
Minoru Horie (Japan)

CC4-2. Long-Standing Persistent Atrial Fibrillation
Young-Hoon Kim (Korea)

CC4-3. The Cardiac Pacing: State of the Art
John D. Fisher (United States)

World Guidelines for the Management of Atrial Fibrillation

Chairpersons:
Ken Okumura (Japan) / Jonathan M. Kalman (Australia)

Speakers:

CC5-1. The 2017 Consensus of the Asia Pacific Heart Rhythm Society on Stroke Prevention in Atrial Fibrillation
Chern-En Chiang (Taiwan)

CC5-2. Heart Rhythm Society
Hugh Calkins (United States)

CC5-3. European Society of Cardiology
Alan John Camm (United Kingdom)

CC5-4. Japanese Heart Rhythm Society
Teiichi Yamane (Japan)

Sunday, September 17

Main Hall

Core Curriculum Session 5 9:50-11:20

Rapid Firing Session 24 15:30-16:30

AF-7

Chairpersons:

Ritsushi Kato (Japan) / Stephen Joseph (Australia)
Invited Symposium 77 (SCD-9) 13:20-14:50

The Management of Asymptomatic Patients with Brugada Syndrome

Chairpersons:
Koji Fukuda (Japan) / Gi-Byoung Nam (Korea) / Kazuo Kato (Japan) / Giulio Conte (Switzerland)

Keynote Lecture:
IS77-KL Prediction of High Risk Brugada Patients
Giulio Conte (Switzerland)

Speakers:
IS77-1. Risk Stratification of Asymptomatic Brugada Patients
Yukiko Nakano (Japan)

IS77-2. Prognostic Value of Programmed Electrical Stimulation in Brugada Patients without Previous Cardiac Arrest
Masahiko Takagi (Japan)

IS77-3. Risk Stratification and Management of Asymptomatic Brugada Syndrome
Kamal K. Sethi (India)

IS77-4. Management of Brugada Syndrome
Sami Viskin (Israel)

Invited Symposium 78 (AF-14) 14:50-16:20

Chemical Ablation for Atrial Fibrillation

Chairpersons:
Kaoru Okishige (Japan) / Ngai-Yin Chan (Hong Kong) / Minki Hwang (Korea) / Miguel Valderrabano (United States)

Keynote Lectures:
IS78-KL Chemical Ablation of Vein of Marshall for the Treatment of AF
Miguel Valderrabano (United States)

Speakers:
IS78-1. Interrelationship Between the Vein of Marshall and the Activity of the Ganglionated Plexi in Atrial Fibrillation
Takehiko Keida (Japan)

IS78-2. Simultaneous Re-Isolation of the Left Pulmonary Veins and Termination of Peri-Mitral Flutter with Only an Ethanol Infusion in the Vein of Marshall
Kazuyasu Yoshitani (Japan)

IS78-3. Chemical Ablation for Atrial Fibrillation: Japanese Experience
Atsushi Kobori (Japan)

IS78-4. Chemical Ablation for Atrial Fibrillation: Korean Experience
Young-Hoon Kim (Korea)

Room 301

Invited Symposium 79 (SCD-10) 8:20-9:50

Progress of Detecting Methods (Invasive, Non-Invasive, and Imaging) for High Risk Patients with SCD

Chairpersons:
Takanori Ikeda (Japan) / Priya Chockalingam (India) / Yoon-Nyun Kim (Korea) / Sunny Po (United States)

Keynote Lecture:
IS79-KL Risk Stratification for Sudden Cardiac Death
Takanori Ikeda (Japan)

Speakers:
IS79-1. Genetics of SCD Implications from Next-Generation Sequencing
Chia-Ti Tsai (Taiwan)

IS79-2. Improved Prediction of SCD Using ECG
Sumeet S. Chugh (United States)

IS79-3. Usefulness of ECG and Exercise Tolerance Test in Predicting SCD
Sirin Apiyasawat (Thailand)

IS79-4. The Role of Imaging in Predicting SCD
Takeshi Sasaki (Japan)

Invited Symposium 80 (SCD-11) 9:50-11:20

Sports and Sudden Cardiac Death

Chairpersons:
Yuji Nakazato (Japan) / Christopher Semsarian (Australia) / Myung Hwan Bae (Korea) / David S. Cannom (United States)

Keynote Lecture:
IS80-KL Sudden Cardiac Death in Athletes: Still Much to Learn
Christopher Semsarian (Australia)

Speakers:
IS80-1. Screening to Prevent SCD in Athletes
Kit Chan (Hong Kong)

IS80-2. The Role of CPR and AED in Athletic Activity
Taku Iwami (Japan)

IS80-3. Results of SCD Survivors; How Changed the Lifestyle
Marcellus Francis L. Ramirez (Philippines)

IS80-4. ICD in Sports and Exercise
Yuji Nakazato (Japan)

JHRS Young Investigator Award Competition 1 13:20-14:20

Basic

Chairpersons:
Minoru Horie (Japan) / Nobuhisa Hagiwara (Japan)

Judges:
Katsushige Ono (Japan) / Ichiro Sakuma (Japan) / Naohiko Takehashi (Japan) / Tetsushi Furukawa (Japan) / Takashi Ashihara (Japan) / Naomasa Makita (Japan)

Speakers:
JHRS-YIA1-1. Ischemia-Induced Small-Conductance Calcium-Activated Potassium Channel Activation Deters Ventricular Arrhythmias in Cardiac Hypertrophy through the Camkii-Dependent Pathway
Taro Temma (Japan)

JHRS-YIA1-2. CALM2-D134H Mutation Associated with Long-QT Syndrome Prevents Inactivation of L-Type Ca2+ Currents in Human iPS Cell Derived Cardiomyocytes.
Yuta Yamamoto (Japan)
JHRS-YIA1-3. Next-Generation Sequencing Is One of the Promising Ways for Identifying Copy Number Variations in Patients with Inherited Primary Arrhythmia Syndromes.
Mari Ichikawa (Japan)

JHRS-YIA1-4. Computer Simulation Study of Low Energy Defibrillation by Multiple Points Stimuli
Naoki Tomii (Japan)

Clinical
Chairpersons:
Kenzo Hirao (Japan) / Hiroshi Kasanuki (Japan)

Judges:
Yoshifusa Aizawa (Japan) / Yuji Nakazato (Japan) / Akihiko Nogami (Japan) / Yasuya Inden (Japan) / Yuji Murakawa (Japan) / Haruhiko Abe (Japan) / Eiichi Watanebe (Japan) / Taijiro Sueda (Japan) / Yoshiio Kosakai (Japan)

Speakers:
JHRS-YIA2-1. The Possible Indication of S-ICD for HCM Patients
Yuriko Yoshida (Japan)

JHRS-YIA2-2. Aortic and Mitral Regurgitation after Radiofrequency Ablation to Aortic Valvular Regions and Papillary Muscles
Yasutoshi Shinoda (Japan)

JHRS-YIA2-3. Novel Clinical, Electrocardiographic and Electrophysiological Characteristics of Drug- and Endocardial Ablation-Resistant Ventricular Fibrillation in Brugada Syndrome: Results of Long-Term Follow Up in Multi-Center Study
Ahmed A Talib (Japan)

JHRS-YIA2-4. Long-Term Follow-Up of Adverse Events in Patients with Atrial Fibrillation Undergoing Catheter Ablation: Comparison of Direct Oral Anticoagulants and Warfarin
Yuichiro Sagawa (Japan)

Room 302
Joint Session 8:20-9:50

New Frontiers in Cardiac Pacing
Chairpersons:
Massimo Santini (Italy) / Yuji Nakazato (Japan) / Katsumi Imai (Japan)

Speakers:
JS-1. Pacing Therapy for Preventing Atrial Fibrillation: Which One? To Which Patient? Which Outcome?
Seichiro Matsuo (Japan)

JS-2. The Subcutaneous Defibrillator: Advantages and Disadvantages
Luca Santini (Italy)

JS-3. Multipoint Pacing for CRT: A Real Clinical Benefit or Just an Electronic Gadget?
Francesco Zanon (Italy)

JS-4. Guideline-Based Indication and the Real-World Clinical Practice in CRT-D Implantation
Masahiko Takagi (Japan)

JS-5. CIED Remote Control: Clinical Advantages and Management Organization
Fabrizio Ammirati (Italy)

APHRS-PACES Joint Session 9:50-11:20
Sports Allowance in Accordance with or against the Guidelines - Crossing against Red Light
Chairpersons:
George F. Van Hare (United States) / Jun Yoshimoto (Japan) / Naokata Sumitomo (Japan)

Speakers:
APA-1. General Consideration of Sports Restriction.
Speaker
Andrew Davis (Australia)

Yoshiaki Kato (Japan)

APA-3. Sports Allowance/Restriction in the Patients with CPVT.
Hiroko Asakai (Japan)

APA-4. Sports Allowance/Restriction in the Patients with PM/ICD
Charles I. Berul (United States)

Invited Symposium 81 (Pharmacological Therapy 7) 13:20-14:50
Summary in the 2016 ESC Guidelines for the Management of Atrial Fibrillation: Antithrombotic Therapy, Rhythm Control, Rate Control
Chairpersons:
Takashi Komatsu (Japan) / Moon-Hyoun Lee (Korea) / Ying-Hsiang Lee (Taiwan) / Dobromir Dobrev (Germany)

Keynote Lecture:
IS81-KL Principle of 2016 ESC AF Guideline
Dobromir Dobrev (Germany)

Speakers:
IS81-1. Difference from Japanese Guideline
Hirofumi Tomita (Japan)

IS81-2. Difference from Japanese Guideline: Antithrombotic Therapy
Eitaro Kodani (Japan)

IS81-3. AF Management in Australia
Stuart Thomas (Australia)

IS81-4. AF Management in China
Minglong Chen (China)

Invited Symposium 82 (Pharmacological Therapy 8) 14:50-16:20
Ethnic Difference in Efficacy and Safety of DOAC
Chairpersons:
Tetsuji Shinohara (Japan) / Muhammad Yamin (Indonesia) / Junbeom Park (Korea) / Ali Oto (Turkey)

Keynote Lecture:
IS82-KL Ethnic Difference of DOAC – Overview-Ali Oto (Turkey)
Invited Symposium 83 (Pediatric-4)  8:20-9:50
Diagnosis and Treatment for Genetic Arrhythmia in Children

Chairpersons:
Naokata Sumitomo (Japan) / Shuenn-Nan Chiu (Taiwan) / Jae-Kon Ko (Korea) / Charles I. Berul (United States)

Keynote Lecture:
IS83-KL Diagnosis and Treatment for Genetic Arrhythmia in Children
Charles I. Berul (United States)

Speakers:
IS83-1. The Importance of Cardiogenetic Clinics in Developing Countries
Priya Chockalingam (India)

IS83-2. Diagnosis and Treatment for Genetic Arrhythmia in Children
Myung Chul Hyun (Korea)

IS83-3. Brugada Syndrome in the Young
George F. Van Hare (United States)

IS83-4. CPVT Update
Naokata Sumitomo (Japan)

Invited Symposium 84 (Basic/Genetic-14)  9:50-11:20
AF#2-Translational Research

Chairpersons:
Takashi Ashihara (Japan) / Eun Bo Shim (Korea) / Tsu-Juey Wu (Taiwan) / Natalia Trayanova (United States)

Keynote Lecture:
IS84-KL Computational Cardiology: From Nano to Macro
Natalia Trayanova (United States)

Speakers:
IS84-1. Understanding Pathogenesis of Arrhythmias from Non-electrical Aspects
Hideo Tanaka (Japan)

IS84-2. Role of In Silico Modeling in Translational Research of Atrial Fibrillation
Minki Hwang (Korea)

IS84-3. Noninvasive Assessment of the Substrate of Atrial Fibrillation Using Magnetocardiography
Tetsuo Sasano (Japan)

IS84-4. Clinical Observations Suggesting the Fibroblast Hypothesis of Atrial Fibrillation Chronicity: From In Silico to Clinical Real-Time Phase Mapping Studies
Takashi Ashihara (Japan)

Invited Symposium 85 (Basic/Genetic-15)  13:20-14:50
Mechanism of Cardiac Pacemaker and Bradycardia

Chairpersons:
Haruo Honjo (Japan) / Kui Hong (China) / Igor Efimov (United States) / Shin Inada (Japan)

Keynote Lecture:
IS85-KL Pacemaker Activity and Conduction in the AV Node
Igor Efimov (United States)

Speakers:
IS85-1. Cardiac Conduction Defect
Jean-Jacques Schott (France)

IS85-2. AV Nodal Conduction during AF
Shin Inada (Japan)

IS85-3. Electrical Storm Associated with Bradycardia
Yukimi Tsuji (Japan)

IS85-4. Arrhythmogenic Activity in PV Myocardium
Tae-Joon Cha (Korea)

Room 304
General Symposium 10  8:20-9:50
Anticoagulation Therapy to Prevent Embolic Strokes

Chairpersons:
Yuji Murakawa (Japan) / Naohiko Takahashi (Japan)

Keynote Lecture:
GS10-KL Anticoagulation Therapy to Prevent Embolic Strokes
Yuji Murakawa (Japan)

Speakers:
GS10-1. Optimal Warfarin Therapy in Contemporary Japanese Patients with Atrial Fibrillation. From the Japanese Real World Data
Eitaro Kodani (Japan)

GS10-2. The CHA2DS2-VASc Score for Stroke in Asian Patients with Atrial Fibrillation: A Korean Nationwide Sample Cohort Study
Tae-Hoon Kim (Korea)

GS10-3. Efficacy and Safety of Low Dosing of Direct Oral Anticoagulants for Atrial Fibrillation in Japan: Data from the Sakura AF Registry
Yasuhiro Okumura (Japan)

GS10-4. Risk of Ischemic Stroke and Intracranial Hemorrhage among Patients with Atrial Fibrillation Receiving Different-Dosed Rivaroxaban: The Comparisons between Rocket-AF, J-Rocket Criteria, and Off-Label Low Dose
Tze-Fan Chao (Taiwan)

Yukihiro Yoshida (Japan)

Invited Symposium 86 (Device-11)  9:50-11:20
Next Stage of Remote Monitoring- Transition from Device Management to Disease Management

Chairpersons:
Shingo Sasaki (Japan) / Katherine Fan (Hong Kong) / Zaw Lin Aung (Myanmar) / Sunee Mittal (United States)
Keynote Lecture:
IS86-KL Remote Monitoring: Current Perspective
Suneet Mittal (United States)

Speakers:
IS86-1. Utility of Home Monitoring in Patients with CIED
Chi Keong Ching (Singapore)
IS86-2. The Role of Remote Monitoring to Treat Atrial Fibrillation
Massimo Santini (Italy)
IS86-3. Remote Monitoring of CIED in India
Ulhas M. Pandurangi (India)
IS86-4. Disease Management Using Remote Monitoring of CIED
Toshiyuki Ishikawa (Japan)

Reduction in the Radiation Exposure in Non-Pharmacotherapy of Cardiac Arrhythmias
Chairperson: Hiroshi Tada (Japan) / Andrea Natale (United States)

Keynote Lecture:
GS11-KL Reduction in the Radiation Exposure in Non-Pharmacotherapy of Cardiac Arrhythmias
Andrea Natale (United States)

Speakers:
GS11-1. Effectiveness of Radioprotection Cabin and Low Fluoroscopic Store Mode to Reduce the Radiation Exposure Doses during Catheter Ablation
Keita Watanabe (Japan)
GS11-2. Reducing Radiology Exposure; Utilizing the Conventional Technique for Maximal Benefits
Kenichiro Yamagata (Czech Republic)
GS11-3. Reduction of Radiation Exposure during Catheter Ablation of Atrial Fibrillation Using a Novel Image Integration Module: Imiracle Study
Shingo Maeda (Japan)
GS11-4. Reduction of Radiation Exposure during Atrial Fibrillation Ablation Using Fast Anatomical Mapping
Miwa Kikuchi (India)
GS11-5. RFA Typical AVNRT without Fluoroscopy
Ulhas M. Pandurangi (India)

Latest and Future Technologies in Cardiac Rhythm Device
Chairpersons:
Takashi Kurita (Japan) / Azlan Hussin (Malaysia) / Jin-Long Huang (Taiwan) / Morio Shoda (Japan)

Keynote Lecture:
IS87-KL Latest and Future Technologies in Cardiac Rhythm Device
Morio Shoda (Japan)

Speakers:
IS87-1. Wearable CD
Christian Veitmann (Germany)
IS87-2. Subcutaneous ICD
Margaret Hood (New Zealand)

IS87-3. Leadless Pacemaker
Chin Pang Chan (Hong Kong)
IS87-4. His Bundle Pacing
Gopi Dandamudi (United States)

Room 315
Oral Presentation 79
8:00-9:20

SVT-8
Chairpersons:
Tetsuo Yagi (Japan) / Zulkiflee Muhammad (Malaysia) / Chuen-Wang Chiou (Taiwan)

Speakers:
O79-1. Comparison of the Outcome of Ablation for Accessory Pathways at the Initial Site of Atrial Activation Versus Ventricular Activation.
Yuko Kato (Japan)
O79-2. Sequential or Simultaneous Biventricular Pacing in Cardiac Resynchronization Therapy- Which Is Better: Single Centre Three Years Experience
Rahul Singhal (India)
O79-3. Image Integration into 3-Dimensional-Electroanatomical Mapping Systemfacilitates Safe and Effective Ablation of Ventricular Arrhythmias Originating from the Left Outflow Tract
Yuhua Chen (China)
O79-4. Local VA Separation in Left Lateral Pathway Ablation-Pitfalls to Assess for Success
Suchit Majumdar (India)
O79-5. Case Report: Atrial Tachycardia Originated from Lower Left Atrium Ablated from Proximal Coronary Sinus: Is It Enough without Transseptal Puncture?
Nanqing Xiong (China)
O79-6. Catheter Ablation for Atrioventricular Nodal Reentrant Tachycardia Targeted Antegrade Slow Pathway of Jump up Based on Direct Slow Pathway Capture
Takeshi Tobiume (Japan)

Oral Presentation 80
9:20-10:20

VT-7
Chairpersons:
Harumizu Sakurada (Japan) / Yong Seog Oh (Korea) / Yoga Yunia (Indonesia)

Speakers:
O80-1. Ten-Year Clinical Outcome after 3D-Electroanatomical Mapping Guided Circumferential Pulmonary Vein Isolation in Patients with Paroxysmal Atrial Fibrillation
Osamu Inaba (Germany)
Yoji Murakawa (Japan)
O80-3. Tachycardia Substrate and RF Ablation in Children and Adolescents: Does Age Matter?
Debabrata Bera (India)
O80-4. Bidirectional Ventricular Tachycardia Amenable to Radiofrequency Catheter Ablation in Young Pediatric Patient
Supaluck Kanjanauthai (Thailand)
Inherit-4

Chairpersons:
Mitsuhiro Nishizaki (Japan) / Chi-Tai Kuo (Taiwan) / Surinder Kaur Khelae (Malaysia)

Speakers:
O81-1. Neuro-Modulatory Provocation Test to Unmask Ventricular Fibrillation Triggering Ectopic and J-Wave in Early Repolarization Syndrome: Implications for Diagnosis and Ablation
Ahmed A Talib (Japan)
O81-2. S-Wave in Lead I is Associated with the Late Recurrence of Ventricular Fibrillation in Brugada Syndrome
Naoya Kataoka (Japan)
O81-3. Manifestation of J Wave Induced by Intracoronary Injection of Acetylcholine in Patients with Brugada Syndrome and Early Repolarization Syndrome
Takashi Iizuka (Japan)
O81-4. Efficacy and Safety of a Novel Myocardial Contrast Agent during Myocardial Septal Ablation for Patient with Hypertrophic Obstructive Cardiomyopathy
Mia A Callista (Indonesia)
O81-5. Unusual Tachycardia of Rare Etiology
Praloy Chakraborty (India)

Featured Research Session 4

Chairpersons:
Yoshifusa Aizawa (Japan) / Pasquale Santangelo (United States) / Nadir Saoudi (Monaco)

Keynote Lecture:
FRS4-KL (TBD)
Nadir Saoudi (Monaco)

Speakers:
FRS4-1. The Recurrence of Atrial Fibrillation after Catheter Ablation was Associated with High Hyaluronan in Coronary Sinus Vein and Left Atrium Mean Pressure.
Ayako Okada (Japan)
Yoshiaki Kaneko (Japan)
FRS4-3. Gender Differences in the Arrhythmia Recurrence Rates during and after the blanking period following Atrial Fibrillation Ablation: Insights from the Kansai Plus Atrial Fibrillation Registry
Nobuaki Tanaka (Japan)
FRS4-4. Insights from the Successful Ablation Site Electrogams in Idiopathic Outflow Tract Ventricular Tachycardia/Ectopy: are Local Abnormal Potentials New Crosshairs?
Yen-Nien Lin (Taiwan)

AF-16

Chairpersons:
Ichiro Watanabe (Japan) / Xing-Peng Liu (China) / Tae-Hoon Kim (Korea)

Speakers:
O83-1. Left Ventricular Diastolic Dysfunction Predicts Recurrence Following Catheter Ablation for Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy
Hiroshi Hayashi (Japan)
O83-2. Acute and Long-Term Outcomes of Patients with Sick Sinus Syndrome Undergoing Catheter Ablation of Paroxysmal Atrial Fibrillation
Hiroshi Tasaka (Japan)
O83-3. General Anesthesia Reduces Acute Gap Formation for Ipsilateral Pulmonary Vein Isolation by Improving Contact Force Parameters Compared with Conscious Sedation
Akio Chikata (Japan)
O83-4. The Adequate Dosage of Initial Heparin during Atrial Fibrillation Ablation in Patients with Direct Oral Anticoagulants
Hirosuke Yamaji (Japan)
O83-5. Box Lesion Set Combined of Hot Balloon and Irrigation Ablation on Anti-Arrhythmic Drugs for Treatment of Long-Standing Persistent Atrial Fibrillation
Hiroshi Sohara (Japan)
Speakers:
O84-1. Inverse Association between Complete Right Bundle Branch Block and Atrial Fibrillation in General Population
Yoshihiro Tanaka (Japan)
O84-2. A Rare Disorder Masquerading as Channelopathy
Praloy Chakraborty (India)
O84-3. Distinct Clinical Features in the Recipients of the Implantable Cardioverter Defibrillation in Taiwan: A Longitudinal Follow-Up Study for 10 Years
Pang-Shuo Huang (Taiwan)
O84-4. Detection of Real Epicardial Substrate for Catheter Ablation of Brugada Syndrome
Shingo Maeda (Japan)
O84-5. Differences of Dose Reduction Criteria in Each DOACS May Cause Bleeding Complication
Hidehira Fukaya (Japan)
O84-6. The Impact Of Exercise Volume On All-Cause Mortality, Cardiovascular Mortality And Sudden Cardiac Arrest: A Nationwide Cohort Study
Young-Ah Park (Korea)

Oral Presentation 85 9:20-10:20

Basic-6
Chairpersons:
Kaichiro Kamiya (Japan) / Jodie Ingles (Australia) / Byung Chun Jung (Korea)

Speakers:
O85-1. Enhancing Mitochondrial Bioenergetics with SS31 Recovers Ventricular Conduction Abnormalities Caused by Energy-Deprivation in a CTNT Hypertrophic Cardiomyopathy Mouse
Vasco Sequeira (Netherlands)
O85-2. Ultra-Rapid High Density Mapping System with the Phase Singularity Technique is Feasible in Identifying Rotors and Focal Sources and Predicting AF Termination
Li-Wei Lo (Taiwan)
O85-3. Median Nerve Stimulation Prevents Atrial Electrical Remodeling and Inflammation in a Canine Model with Rapid Atrial Pacing
Qingyan Zhao (China)
O85-4. Antifibrillatory Effects of Renal Denervation on Ventricular Fibrillation in a Canine Model of Pacing-Induced Heart Failure
Qi Jin (China)
O85-5. Neural Mechanism of Ace Inhibitor in Improving Heart Rate Variability and Sleep Disturbance after Myocardial Infarction
Wei-Lun Lin (Taiwan)

Oral Presentation 86 10:20-11:20

Pharm-8
Chairpersons:
Yuji Murakawa (Japan) / Wen-Jone Chen (Taiwan) / Jun-Beom Park (Korea)

Speakers:
O86-1. Warfarin Treatment is Associated with Reduced Mortality in High CHADS2 Score in Japanese Patients with Non-Valvular Atrial Fibrillation: A Subanalysis of the J-Rhythm Registry
Hiroyumi Tomita (Japan)
O86-2. Catheter Ablation for Atrial Fibrillation Reduces Natriuretic Peptide in Patients with Heart Failure with Preserved Ejection Fraction
Taku Nishida (Japan)
Takuma Takada (Japan)
O86-4. An Impact on the Pulmonary Vein Myocardium Sleeve Injury after Pulmonary Vein Isolation Using a 28-Mm Second Generation Cryoballoon
Yasuhiro Yoshiga (Japan)
O86-5. Clinical Outcomes of Different Doses NOAC versus Highly Well-Controlled Warfarin in Patients with Non-Valvular Atrial Fibrillation
Kwang-No Lee (Korea)

Invited Symposium 88 (AF-15) 13:20-14:50

Innovation in AF Ablation
Chairpersons:
Shigeto Naito (Japan) / Yasuo Okumura (Japan) / Muhammad Munawar (Indonesia) / Nassir Marrouche (United States)

Keynote Lecture:
IS88-KL Role of Non-Invasive Mapping to Guide Ablation
Nassir Marrouche (United States)

Speakers:
IS88-1. Clinical Utility of Automated Ablation Lesion Tagging Based on Catheter Stability Information (Visitag Module of the CARTO 3 System) with Contact Force-Time Integral during Pulmonary Vein Isolation for Atrial Fibrillation
Yasuo Okumura (Japan)
Omari Bouknight (United States)
IS88-3. AF Ablation with Sterotaxis System
Kohei Yamashiro (Japan)
IS88-4. Hybrid Ablation for Long-Lasting Persistent AF with an Endpoint of AF Termination
Xing-Peng Liu (China)

Great Debate 6 14:50-15:35

Which is the Optimal Ablation Target of at Originating from Peri-AVN Region
Chairpersons:
Yoshinori Kobayashi (Japan) / Nwe Nwe (Myanmar) / Li-Wei Lo (Taiwan)

Speakers:
GD6-1. Earliest Activation Site
Hitoshi Hachiya (Japan)
Sudden Death in Competitive Athletes can be Predicted and Prevented by a Non-Invasive Risk Assessment

Chairpersons:
- Atsuhiko Yagishita (Japan)
- David G. Benditt (United States)
- Yuji Nakazato (Japan)

Speakers:
- GD7-1. Pro: Tsuyoshi Shiga (Japan)
- GD7-2. Con: Kit Chan (Hong Kong)

Oral Presentation 87

8:00-9:20

Brady-5

Chairpersons:
- Yasushi Miyazaki (Japan)
- Margaret Hood (New Zealand)
- Dae-Hee Shin (Korea)

Speakers:
- O87-1. Successful ‘Salvage’ of RV Lead in Cardiac Resynchronization Using Leadless Pacing
  - Sityeew Kwok (Hong Kong)
- O87-2. Automatic Contractility Sensor-Guided Optimization is Associated with Improved Outcomes in CRT Subgroups at High Risk for Non-Response
  - Peter-Paul HM Delnoy (Netherlands)
- O87-3. Characteristics and Prognosis of Complete Atrioventricular Block in Fulminant Myocarditis
  - Shozo Konishi (Japan)
- O87-4. Heart Block and Arrhythmias after Aortic Valve Replacement Surgery - A Contemporary Review
  - Anna LW Tam (Singapore)
- O87-5. MVP Mode: Simulating Malfunctioning Dual Chamber Pacemaker
  - Niti Chadha (India)
- O87-6. Correlation between Diastolic Function Parameters and Optimal AV Delay Duration in Patient with Dual Chamber Pacemaker
  - Hermanto Yugo Dony (Indonesia)

Oral Presentation 88

9:20-10:20

Pediatric-3

Chairpersons:
- Aya Miyazaki (Japan)
- Andreas Pflaumer (Australia)
- Tak-Cheung Yung (Hong Kong)

Speakers:
- O89-1. Refractory Atrial Arrhythmias after Congenital Heart Disease Surgery
  - Emi Misugi (Japan)
- O89-2. Two-Month-Old Infant with WPW Syndrome and a Left Ventricular Noncompaction that Underwent Catheter Ablation
  - Yasuhiro Hiran (Japan)
- O89-3. Use of the Oesophageal Route in Infants for Diagnosis and Therapy in Electrophysiology
  - Anandaroop Lahiri (India)
- O89-4. Complication of Implantable Cardioverter Defibrillator (ICD) in Children
  - Suleman Kamberi (Australia)
- O89-5. Long-Term Follow-Up of Pacemaker Dependent Children with Epicardial Systems
  - Kamberi Suleman (Australia)

Oral Presentation 89

10:20-11:20

Pharm-6

Chairpersons:
- Mikiko Nakagawa (Japan)
- KK Taiwar (India)
- Jin Kun Jang (Korea)

Speakers:
- O90-1. Anatomical Characteristics Predicting Procedural Difficulty in Individual Pulmonary Veins during 28-mm Second-Generation Cryoballoon Ablation
  - Takatsugui Kajiyama (Japan)
- O90-2. Predictor of Pulmonary Vein Reconnection after Cryoballoon Ablation for Atrial Fibrillation
  - Ryohsuke Narui (Japan)
- O90-3. A Combined Therapy of Percutaneous Transluminal Septal Myocardial Ablation (PTSMA) and Pulmonary Vein Isolation (PVI) in Atrial Fibrillation (AF) Patients with Hypertrophic Obstructive Cardiomyopathy (HOCM)
  - Shunsuke Kawai (Japan)

Oral Presentation 90

14:20-15:20
O90-4. Left Atrial Volume Assessment in Atrial Fibrillation Using Pentaray
Takahiro Furuya (Japan)
O90-5. Perioperative Thromboembolic Events in Patients with Atrial Fibrillation Undergoing Non-Cardiac Surgery
Kazuhiro Nagaoka (Japan)

Oral Presentation 91  15:20-16:20

Pharm-7
Chairpersons:
Eitaro Kodani (Japan) / Alex Mclellan (Australia) / Jen-Yuan Kuo (Taiwan)
Speakers:
O91-1. Preexcitation-Related Dyssynchronous Left Ventricular Wall Motion in Patients with Wolff-Parkinson-White Syndrome
Jae-Sun Uhm (Korea)
O91-2. Cryoablation Compared with Radiofrequency Ablation in the Japanese Patients with Atrioventricular Nodal Reentrant Tachycardia
Takuo Tsurugi (Japan)
Tomomi Matsuura (Japan)
Kwang-No Lee (Korea)
O91-5. Focal Tachycardias Arising from the Left His-Bundle or Left Bundle Branch: Clinical and Electrophysiologic Features and Ablation Outcomes
Jihyun Lee (Korea)

Oral Presentation 92  8:00-9:20

AF-13
Chairpersons:
Hitoshi Hachiya (Japan) / Miguel Valderrabano (United States) / Doo-Sang Kim (Korea)
Speakers:
O92-1. Comparison of Activation-Phase Mapping and 3D Dominant Frequency Analysis of Human Atrial Fibrillation: Early Experience
Miguel Rodrigo (United States)
O92-2. Newly Proposed Scanned Proton Beam Catheter-Free Ablation for Creation of Atrio-Ventricular Node Block in a Porcine Model in Comparison with X-Ray/Photon Beams
Atsushi Suzuki (United States)
O92-3. Left Atrial Low Voltage Zone is Associated with the Serum Inflammatory Cytokine Levels and the Epicardial Adipose Tissue in Patients with Paroxysmal Atrial Fibrillation.
Miho Miyoshi (Japan)

Oral Presentation 93  9:20-10:20

AF-14
Chairpersons:
Kikuya Uno (Japan) / Jin-Kyu Park (Korea) / Hsuan-Ming Tsao (Taiwan)
Speakers:
O93-1. Usefulness of High Resolution Mapping System for Atrial Tachycardia Following Catheter Ablation of Atrial Fibrillation
Yuichiro Sakamoto (Japan)
O93-2. Determinant of Left Atrial Reverse Remodeling after Initial Catheter Ablation of Non-Paroxysmal Atrial Fibrillation in Terms of Smaller Postoperative Left Atrial Volume
Takafumi Oka (Japan)
O93-3. Isolation of Pulmonary Veins Plus Posterior Wall and Non Pulmonary Vein Trigger Ablation for Long Standing Persistent Atrial Fibrillation
Tomomasa Takamiya (Japan)
O93-4. Pulmonary Vein Antrum Isolation by Radiofrequency Catheter Ablation Depresses Baroreflex Sensitivity in Association with Heart Rate Variability
Yumi Ishii (Japan)
O93-5. The Effectiveness and Long-Term Outcome of Catheter Ablation of Atrial Fibrillation in Patients with Tachycardia-Bradycardia Syndrome
Toshiharu Koike (Japan)

Oral Presentation 94  10:20-11:20

CRT-4
Chairpersons:
Hiroshi Tada (Japan) / M. Khalilullah (Japan) / Young Soo Lee (Korea)
Speakers:
O94-1. Baseline Serum High-Density Lipoprotein Cholesterol Level Predicts Long-Term Clinical Outcomes in Patients with Non-Ischemic Heart Failure Receiving Cardiac Resynchronization Therapy
Shangyu Liu (China)
O94-2. Right Ventricular Fractional Area Change Predicts Improvement in Left Ventricular Ejection Fraction Achieved with Cardiac Resynchronization Therapy
Sayaka Kurokawa (Japan)
O94-3. The Feasibility and Safety of a Novel Device in Displacing the Esophagus away from Left Atrial Ablation Targets
Songyun Wang (United States)
O94-4. Benefit of Quadrupolar Left Ventricular (LV) Lead in Improving Responder Rate Even in Grossly Dilated Left Ventricles
Abhinay Tibedewal (India)
O94-5. Acute Results of CRT-D Implant in Chronic Heart Failure Patients: (A Single Center Experience)
Angga Pramudita (Indonesia)

Chairpersons:
Dhanunjaya Lakireddy (United States) / Hirotsugu Atarashi (Japan) / Jonathan S. Steinberg (United States)

Keynote Lecture:
FRS5-KL How to Pick Up Patients at High Risk for Lethal Ventricular Arrhythmia
Jonathan S. Steinberg (United States)

Speakers:
FRS5-1. Fragmented QRS, Which Represent Left Ventricular Fibrosis with Late Gadolinium Enhancement in Cardiac MRI, is Associated with Ventricular Arrhythmia In Patients With Non-Ischemic Cardiomyopathy
Haeju Lee (Korea)
Tetsuo Sasano (Japan)
FRS5-3. Identification of Clinical Characteristics and Genetic Variants that Predispose Patients with Vasoaspsotic Angina to Ventricular Tachyarrhythmias
Tadashi Nakajima (Japan)
FRS5-4. Novel RYR2 Mutations Causative for Long QT Syndromes
Megumi Fukuyama (Japan)

Oral Presentation 95
15:20-16:20

O95-1. Use of Contact Force Technology in Ablating Ventricular Premature Complexes Originating from Pulmonary Sinus Cusp
Xiaonian Dong (China)
O95-2. Pulmonary Artery Isolation for Refractory Ventricular Premature Contractions Originating from the Right Ventricular Outflow Tract
Satoshi Miyazawa (Japan)
O95-3. Evaluation of Half and Reduced Dose of NOAC Treatment in Patients with Atrial Fibrillation
Yoo Ri Kim (Korea)
O95-4. Change in the Quality of Life after Catheter Ablation on “Asymptomatic” Patients with Atrial Fibrillation
Yoshinori Katsumata (Japan)
O95-5. A Successful Case of Cryo Ablation for PVC Originated from around His Bundle Lesion
Akinori Matsumoto (Japan)

Oral Presentation 96
13:00-14:20

Featured Research Session 5

Chairpersons:
Dhanunjaya Lakireddy (United States) / Hirotsugu Atarashi (Japan) / Jonathan S. Steinberg (United States)

Keynote Lecture:
FRS5-KL How to Pick Up Patients at High Risk for Lethal Ventricular Arrhythmia
Jonathan S. Steinberg (United States)

Speakers:
FRS5-1. Fragmented QRS, Which Represent Left Ventricular Fibrosis with Late Gadolinium Enhancement in Cardiac MRI, is Associated with Ventricular Arrhythmia In Patients With Non-Ischemic Cardiomyopathy
Haeju Lee (Korea)
Tetsuo Sasano (Japan)
FRS5-3. Identification of Clinical Characteristics and Genetic Variants that Predispose Patients with Vasoaspsotic Angina to Ventricular Tachyarrhythmias
Tadashi Nakajima (Japan)
FRS5-4. Novel RYR2 Mutations Causative for Long QT Syndromes
Megumi Fukuyama (Japan)

Oral Presentation 96
14:20-15:20

Syncope-2

Chairpersons:
Koichi Mizumaki (Japan) / Shigeki Kusa (Japan) / Dong-Gu Shin (Korea)

Speakers:
O95-1. Diagnosed Isolated Cardiac Sarcoidosis in Two Patients with Atioventricular Block during Very Long Term Follow Up.
Yui Nakayama (Japan)
O95-2. A New Feasible Syncope Risk Score; Appropriate for Emergency Department
Ali Bozorgi (Iran)
O95-3. Safety of the Dabigatran Bridge Therapy in Peri-Ablation Periods for Atrial Fibrillation
Atsuyuki Watanabe (Japan)
O95-4. Difference of Clinical Profile and Management in Patients with Atrial Fibrillation in between Specialist and Generalist in Japanese AF Registry; The Raffine Study
Hidemori Hayashi (Japan)
English Sessions

Invited Symposium 91 (SVT-7) 13:20-14:50

New Technologies for Mapping and Ablation of AT
Chairpersons:
Ken Okumura (Japan) / Yasushi Oginosawa (Japan) / Hiroshi Nakagawa (United States) / Amit Kumar Malik (India)

Keynote Lecture:
IS91-KL New Technologies for Mapping and Ablation of AT
Hiroshi Nakagawa (United States)

Speakers:
IS91-1. Catheter Ablation of AT Using Ripple Map
Yoshihide Takahashi (Japan)
IS91-2. High Density Mapping of Atrial Tachycardia: Japanese Experience
Seigo Yamashita (Japan)
IS91-3. Afib Ablation Using High-Density 3D Mapping System
Li-Wei Lo (Taiwan)

Invited Symposium 92 (VT-11) 14:50-16:20

Catheter Ablation of Ventricular Tachycardia
Chairperson:
Akihiro Yoshida (Japan) / Andrea Natale (United States) / Jinjun Liang (China) / Ajit Thachil (India)

Keynote Lecture:
IS92-KL Scar Homogenization versus Limited-Substrate Ablation in Patients with Ventricular Tachycardia
Andrea Natale (United States)

Speaker:
IS92-1. Channel Identification and Ablation in Patients with Ischemic Heart Disease
Yi-Gang Li (China)
IS92-2. Management of Ventricular Tachycardia due to Cardiac Sarcoidosis
Ajit Thachil (India)
IS92-3. Visualization of the Critical Isthmus by Tracking Delayed Potential in Edited Windows for Scar-Related Ventricular Tachycardia
Yong Seog Oh (Korea)
IS92-4. Outflow Tracts PVC/VT Ablation - Of Bermuda Triangle, Black Holes and the Rest
Soot Keng Ma (Malaysia)

Room 501

Educational Lecture 7 8:20-9:20

Percutaneous Left Atrial Appendage Closure
Chairperson: Kazutaka Aonuma (Japan)
Speaker: Dhanunjaya Lakkireddy (United States)

Exhibition Hall C

Educational Seminar

Essential Cardiac Anatomy Related to Cardiac Device and Ablation Therapy for Electrophysiologists
Osamu Igawa (Japan)
[10:20-11:20]
Anatomy of LV and Pericardial/Pleural Cavity: LV Papillary Muscles and Normal Conduction System in LV, Possible Mechanism of Conduction System between LV Anterolateral and Posteromedial Papillary Muscles

[Booth 1]

Rapid Firing Session 25 8:20-9:10

AF-8
Chairpersons: Yasushi Mukai (Japan) / Ju-Youn Kim (Korea)

Speakers:
RF25-1. Clinical Significance of the Number of Dissociated Pulmonary Vein Activity following Pulmonary Vein Isolation in Patients Undergoing Atrial Fibrillation Ablation
Yasutsugu Nagamoto (Japan)
RF25-2. Usefulness of Cardiac Computed Tomography Using Serial Snapshots for Detecting Left Atrial Appendage Thrombus: A Case Report
Chisashi Toya (Japan)
RF25-3. Large Body Size is Associated with Recurrence of Atrial Fibrillation after the Catheter Ablation
Yosuke Nakatani (Japan)
RF25-4. The Relationship between the Recurrence of Atrial Fibrillation and Serum Creatinine Kinase Level after Cryoballoon Ablation for Paroxysmal Atrial Fibrillation
Kunihiro Shimizu (Japan)
RF25-5. A Case Report of Cryoballoon Ablation Guided by Intra Arterial Ultrasound for Atrial Fibrillation Patient Avoiding Contrast Media
Hajime Saeki (Japan)

Rapid Firing Session 26 9:10-10:00

Allied-4
Chairpersons: Masatsugu Ohe (Japan) / Kathy Lee (Hong Kong)

Speakers:
RF26-1. Radiofrequency Catheter Ablation of Left Anterolateral Accessory Pathway via Retrograde Aortic Approach in a Patient with Right-Sided Aortic Arch
Dong Lin (Singapore)
RF26-2. Control of Refractory Ventricular Tachycardia Storm Using Pacing
Pradeep K. Hasija (India)
Rapid Firing Session 27
10:00-10:50
AF-10
Chairpersons:
Katsuaki Yokoyama (Japan) / Huey-Ming Lo (Taiwan)
Speakers:
RF27-1. Efficacy and Safety of Cryoballoon Ablation for Patients with Paroxysmal Atrial Fibrillation.
Takahiro Iseda (Japan)
RF27-2. Late Pulmonary Vein Reconnection during Repeat Ablation of Atrial Fibrillation Following Contact Force-Guided Catheter versus Cryoballoon Ablation
Hiroshi Tasaka (Japan)
RF27-3. Predictors of Arrhythmia Recurrence after Catheter Ablation of Atrial Fibrillation in Contact Force Catheter Era
Yasuhiro Matsunaga (Japan)
RF27-4. Comparison of Activated Clotting Time Values between Different Measurement Systems
Kenichi Tokutake (Japan)
RF27-5. “W-Waves” in V1 is a Novel Parameter to Diagnose Clockwise Atrial Flutter
Kenishi Usuda (Japan)

Rapid Firing Session 28
14:20-15:10
Pediatric-2
Chairpersons:
Tsugutoshi Suzuki (Japan) / Yoshiaki Kato (Japan)
Speakers:
RF28-1. Mirror Image is My True Face
Kantha Rao Narasamuloo (Malaysia)
RF28-2. Patients with Repaired Congenital Heart Disease and Long QT Syndrome
Mikyoung Song (Korea)
RF28-3. A Hybrid Biventricular Cardiac Resynchronization Therapy for a 6-Year-Old Patient with Heart Failure after Intervventional Closure of Ventricular Septal Defect
Yiwei Chen (China)
RF28-4. Impending Strangulation of Left Coronary Artery after Pericardial ICD Implantation in a 1-Year-Old Boy with Cardiac Fibroma: A Case Report of 5-Year Clinical Consequence
Taisuke Nabeshima (Japan)
RF28-5. Catheter Ablation for Supraventricular Tachycardia in Patients with Persistent Left Superior Vena Cava
Jae-Sun Uhm (Korea)
Speakers:
RF31-1. Influence of Spatial Location of Pulmonary Vein on its Isolation by Cryo-Balloon Ablation for Atrial Fibrillation
Tomihisa Nanao (Japan)
RF31-2. Independent Mapping Methods Reveal Rotational Activation near Pulmonary Veins Where Ablation Terminates Atrial Fibrillation before PV Isolation
George Leef (United States)
RF31-3. The Association between the Factor of CHADS2 Score and Left Atrial Appendage Flow Speed in Persistent Atrial Fibrillation
Hitoshi Ichiki (Japan)
RF31-4. The Usefulness of SpO2 and Oxygen Desaturation Index Measured by Type-4 Portable Monitor as a Predictor of the Recurrence after Ablation for Paroxysmal Atrial Fibrillation
Naoki Yoshioka (Japan)
RF31-5. Early Repeat Ablation for the Treatment of Early Recurrence after Catheter Ablation of Atrial Fibrillation can Improve Recurrence-Free Survival: A Propensity Score-Matched Study
Satoshi Yanagisawa (Japan)
RF31-6. Prognostic Impact of Isolated Complex Fractionated Atrial Electrograms (CFAE) Area on CFAE-Guided Pulmonary Vein Isolation (PVI) in Patients with Non-Paroxysmal Atrial Fibrillation
Akihiro Yoshida (Japan)

Rapid Firing Session 32

Device-4

Chairpersons:
Hisashi Yokoshiki (Japan) / Vanita Arora (India)

Speakers:
RF32-1. The Case of Inappropriate Subcutaneous Implantable Cardioverter Defibrillator Shocks in Chest Compres- sions During Cardiopulmonary Resuscitation
Hitoshi Minamiguchi (Japan)
RF32-2. A Case of Sepsis Due to CRT Lead Infection Post Endovascular Therapy for Superior Vena Cava Syn- drome
Satoshi Takahashi (Japan)
RF32-3. Usefulness and Potential Role of the Wearable Cardioverter-Defibrillator Use as Secondary Prevention for Sudden Cardiac Death
Yoshihiro Shoji (Japan)
RF32-4. Treatment and Follow-Up of Elderly Patients with Device Infection
Asami Kashiwa (Japan)
RF32-5. Cardiac Resynchronisation Therapy Device Implant Without the Use of Iodine Contrast or Electroana- tomic Mapping System
Ramanathan Parameswaran (Australia)
RF32-6. A Case of Partial Atrial Standstill with the Atrial Lead of the Implanted Pacemaker Placed in the Coronary Sinus.
Hiroyuki Takahara (Japan)

RF32-7. Failure of Delivering an Electric Shock due to Unstable Wireless Communication During Defibrillator Threshold Testing
Dai Inagaki (Japan)
RF32-8. Clinical Experience of Subcutaneous Array Insertion During Implantable Cardioverter Defibrillator Implantation for the Patient with Advanced Arrhythmogenic Right Ventricular Cardiomyopathy and Very High Defibrillation Thresholds
Kimitake Imamura (Japan)
RF32-9. The Case with Infection and Extraction of Subcutaneous ICD and Using Wearable ICD as Bridging Device
Yutaka Ogino (Japan)

Pharm-4

Chairpersons:
Akiko Chishaki (Japan) / Atsushi Iwasa (Japan)

Speakers:
RF33-1. Prevalence and ECG Features of Outflow Tract Arrhythmias with a Precordial Transitional Zone in Lead V4 Successfully Eliminated from the Coronary Cusp Region
Tatsuya Hayashi (United States)
RF33-2. Prediction of Ventricular Tachycardia Substrate with Tc-99M Scintigram Scar
Kentaro Ozu (Japan)
RF33-3. Outcome of Catheter Ablation of Ventricular Tachycardia in Patients with Structural vs. Non Structural Heart Disease: Three Years Experience
Rahul Singhal (India)
RF33-4. Diagnostic Dilemma of a Wide Complex Tachycardia: A Case Study
Mokaddas Dr.Sarder Hossain (Bangladesh)