

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 :

Takeshi 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 Blank-ing 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 S-ICD 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)

Speakers :

- IS5-1. Characteristics and Circadian Variation of J Wave in IVF
Yoshiyasu Aizawa (Japan)
- IS5-2. Risk Stratification in Brugada Syndrome
Hiroshi Morita (Japan)
- IS5-3. Primary Prevention of ICD in Brugada Syndrome
Kengo Kusano (Japan)
- IS5-4. IVF and ICD Therapy in Asian-Pacific Countries
Toshiaki Sato (Japan)

Room 302**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)
- IS6-3. Cardiopulmonary Resuscitation: 2015 New CPR Guideline
Akira Ueno (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 Takatsuki (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 Piorkowski (Germany)
- IS8-4. Liner Ablation for Persistent AF
Tae-Hoon Kim (Korea)
- IS8-5. Non-Pulmonary Vein Triggers of AF
Narayanau Namboodiri (India)

Room 303**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)

Invited Symposium 13 (Device-2) 16:30-18:00**Nightmares of Lead Extraction****Chairpersons :**

Morio Shoda (Japan) / **Russell Denman** (Australia) / **Charles Erik Helgo Kennergren** (Sweden) / **Maria Grazia Bongiorni** (Italy)

Keynote Lecture :

IS13-KL Nightmare of Lead Extraction: Overview
Morio Shoda (Japan)

Speakers :

- IS13-1. Lead Extraction in Patient with Severely Impaired LV Function
Tachapong Ngarmukos (Thailand)
- IS13-2. Extraction of Leads With Long Implant Duration
Neil Strathmore (Australia)
- IS13-3. Extraction of 'Invincible CS Leads'
Nigel Lever (New Zealand)
- IS13-4. Prevention and Remedy of Complication of Lead Extraction
Maria Grazia Bongiorni (Italy)

Room 413**Oral Presentation 4 14:40-15:40****Basic-1****Chairpersons :**

Naomasu 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)

- O5-3. Assessment of Long-Term Outcomes after Cardiac Resynchronization Therapy
Minako Ohara (Japan)
- O5-4. Device Diagnostics and ECG to Improve CRT Response
Ulhas M Pandurangi (India)
- O5-5. Case Report A CRT Implant Patient Benefits from Adaptive Single Left Ventricular Pacing
Shangyu Liu (China)

Oral Presentation 6

17:00-18:00

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
Juyoun 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 :

- IS15-1. Detection of Malignant Ventricular Arrhythmias Using Wavelet Transform Analysis.
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 Sriratanasathavorn** (Thailand) / **Minglong Chen** (China)

Speakers :

- O7-1. Association of Oral Anticoagulant Use with Causes of Death in Japanese Patients With Atrial Fibrillation: The Fushimi AF Registry
Yoshimori An (Japan)
- O7-2. Risk Factor Profile and Management of Patients with Diabetes Mellitus and Newly Diagnosed Atrial Fibrillation in Asia: Results from Garfield-AF
Kengo Ayabe (Japan)
- O7-3. Baseline Characteristics and Treatment Patterns in Patients with Newly Diagnosed Atrial Fibrillation in Asian Countries: Insights from Garfield-AF
Zhi-Cheng Jing (China)
- O7-4. Analysis of Local Voltage at the Site of Atrial Fibrillation Drivers Detected Using Continuous Wavelet Transform Analysis
Koji Higuchi (Japan)
- O7-5. Atrial Fibrillation Originating from the Right Atrial Appendage
Naoyuki Miwa (Japan)

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)

Nice**Oral Presentation 8**

15:00-16:00

VT-1**Chairpersons :**

Akihiko Nogami (Japan) / **Kejiang Cao** (China) / **Jae Won Lee** (Korea)

Speakers :

- O8-1. Quantification of Repolarization Reserve for the Predictions of Drug-Induced Arrhythmia
Shingo Murakami (Japan)
- O8-2. Change of Brugada Like Electrocardiogram after Gastric Tube Reconstruction via the Retrosternal Route
Kosuke Yoshikawa (Japan)

- O8-3. The Predictive Electrocardiogram Parameters of Right Ventricular Reverse Remodeling in Chronic Thromboembolic Pulmonary Hypertension
Takahiko Nishiyama (Japan)
- O8-4. An Increase of R Wave in V5 in 12-Lead Electrocardiography was a Predictor of Responder in Cardiac Resynchronization Therapy
Tomoyuki Kabutoya (Japan)
- O8-5. Successful Catheter Ablation for Malignant Ventricular Parasystoles Originating from the Moderator Band
Daisuke M Miyahara (Japan)

Oral Presentation 9

16:30-18:00

Brady-1**Chairpersons :**

Toshiyuki Ishikawa (Japan) / **Vanita Arora** (India) / **Azlan Hussin** (Malaysia)

Speakers :

- 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 Paced-Makers: Role of Atrial Cycle Length in Tachycardia Termination
Dian A Munawar (Australia)
- O9-6. Clinical Characteristics of Unsuccessful Defibrillation 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)

Monaco**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)

Silk

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 Jetly (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 :

Yasuya 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)

Pearl

Invited Symposium 21 (Surgery-1) 11:20-12:50

Ventricular Tachycardia

Chairpersons :

Kazuhiro Satomi (Japan) / Ali Oto (Turkey) / Kolandaisamy 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)
- IS21-3. Fascicular Ventricular Tachycardia Originating From Papillary Muscles: Purkinje Network Involvement in the Reentrant Circuit.
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 :

Masataka Mitsuno (Japan) / Takashi Nitta (Japan) / Pow Li Chia (Singapore) / Kathy Lee (Hong Kong)

Keynote Lecture :

IS22-KL Afib Surgery: Overview
Masataka 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 Rates
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
Thoranis Chantrarat (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
Yoshihide 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 :

- IS25-1. Catheter Ablation of Brugada Syndrome, Japanese Experience
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 Afib****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 Bi-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)

- IS28-3. Histone Deacetylase Inhibition on Atrial Arrhythmogenesis
Yi-Jen Chen (Taiwan)
- IS28-4. STAT3/miR-21 Feedback Loop Contributes to Atrial Fibrillation
Yi-Mei Du (China)

● **Room 511+512****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) / **Dujdao 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 Muhammad** (Malaysia)

Keynote Lecture :

- IS31-KL Unique Recordings of Coronary Sinus in Catheter Ablation of Supraventricular Tachyarrhythmias
Yoshiaki Kaneko (Japan)

Speakers :

- IS31-1. Atrial Arrhythmias in Adults with ASD
June Huh (Korea)
- IS31-2. Approach to Ablation of Accessory Pathways Within the Coronary Venous System
Jayaprakash Shenthar (India)
- IS31-3. Roles of AV Nodal Artery Angiography in Ablation of AV Nodal Reentrant Tachycardia
Wen-Chin Ko (Taiwan)
- IS31-4. Mahaim Fiber Tachycardia
Shomu Bohora (India)

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 Catanchin (Australia)
- IS32-3. Single 3-Minute Freeze Strategy for Second-generation Cryoballoon Ablation—Efficacy and Safety for Paroxysmal AF—
Shinsuke Miyazaki (Japan)
- IS32-4. Patient Selection for Cryoballoon Ablation
Raymond Sy (Australia)

General Symposium 2 13:30-15:00**Approach to CRT Non-Responders****Chairpersons :**

Haruhiko Abe (Japan) / **Niraj Varma** (United States)

Keynote Lecture :

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

Speaker :

- GS2-1. Predictors of Response to Cardiac Resynchronization Therapy (CRT)
Soe Thu Zar Win (Myanmar)
- GS2-2. Don't Expect Left Ventricular Reverse Remodeling after Cardiac Resynchronization Therapy in Patients with Systolic Heart Failure and Atrioventricular 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**Molecular Genetics Have Opened a New Era for Arrhythmia Research, but Also Pandora's Box?**

Chairperson : Tsuneaki Sugimoto (Japan)

Speaker : Minoru Horie (Japan)

Core Curriculum Session 2 16:30-18:00**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)

Room 301**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)

Speakers :

- IS33-1. Genetics of DCM and Arrhythmias
Diane Fatkin (Australia)
- IS33-2. Genotype-Phenotype Correlations in Japanese DCM Patients
Takashige Tobita (Japan)
- IS33-3. Molecular Signal Pathways and Arrhythmias in Failing Heart
Shih-Ann Chen (Taiwan)
- IS33-4. Ca Dynamics and Arrhythmias in Failing Heart—New Therapeutic Targets for Arrhythmias—
Masafumi Yano (Japan)

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 I. 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) / **Hirotsugu 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)

APHRS-EHRA Joint Session

16:30-18:00

Ventricular Arrhythmias in Non-Ischemic Cardiomyopathy: Refining the Old and Emergence of New Substrates**Chairpersons :**

Jonathan M. Kalman (Australia) / **Gerhard Hindricks** (Germany)

Speakers :

- AE-1. Ventricular Arrhythmias in Non-Ischemic Cardiomyopathy: Can Non-Inducibility after Ablation be a Predictor for Reduced Mortality?
Christopher Piorkowski (Germany)
- AE-2. Ventricular Arrhythmias in Familial Dilated Cardiomyopathies: Lamin, Left Ventricular Non-Compaction
Saurabh Kumar (Australia)
- AE-3. Ventricular Arrhythmias in Brugada Syndrome: Emergence of Structural and Functional Interactions
Shih-Ann Chen (Taiwan)
- AE-4. Ventricular Arrhythmias in Inflammatory Cardiomyopathies: Isolated Cardiac Sarcoidosis and Systemic Sarcoidosis With Cardiac Involvement
Akihiko Nogami (Japan)
- AE-5. Ventricular Arrhythmias in Non-Ischemic Cardiomyopathy. the Effect of ICD Programming on ICD Therapies and Patients' Mortality.
Josef Kautzner (Czech Republic)

Room 302**APHRS-JHRS Joint Session**

8:30-10:00

AF Screening for Prevention of Stroke in the Asia Pacific Region**Chairpersons :**

Chu-Pak Lau (Hong Kong) / **Yoshinori Kobayashi** (Japan)

Speakers :

- AJ-1. AF Screening in Primary Care Setting
Chu-Pak Lau (Hong Kong)
- AJ-2. Management of Device-Detected AF
Yoshinao Yazaki (Japan)
- AJ-3. Can AF Screening Prevent Stroke?
Eue-Keun Choi (Korea)
- AJ-4. The Role of Catheter Ablation to Prevent Stroke
Yukio Sekiguchi (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)

Invited Symposium 36 (AF-8) 15:00-16:30**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 37 (AF-9) 16:30-18:00**Risk and Complication of AF Ablation****Chairpersons :**

Kikuya Uno (Japan) / **Stuart Thomas** (Australia) / **Kelvin Wong** (Singapore) / **Shoei K. Stephen Huang** (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 Ravele (Italy)

IS37-3. How to Avoid Phrenic Nerve Injury during AF Ablation
Christopher Piorkowski (Germany)

IS37-4. Predictors of Pericardial Effusion In J-CARAF Study
Yuji Murakawa (Japan)

Room 303**General Symposium 3 8:30-10:00****Inherited Arrhythmia Syndromes: From Bench to Bedside****Chairpersons :**

Wataru Shimizu (Japan) / **Charles Antzelevitch** (United States)

Keynote Lecture :

GS3-KL Molecular and Cellular Mechanism of Inherited Arrhythmia Syndromes
Charles Antzelevitch (United States)

Speakers :

GS3-1. Semapholin 3A Polymorphism and Altered Autonomic Function may Contribute to Pathogenesis of Brugada Syndrome
Takehito Tokuyama (Japan)

GS3-2. KCNJ3 N496H A Rare Variant in Japanese as a Cause of Susceptible Gene for Ventricular Fibrillation in Overlap Syndromes between LQT and CPVT
Takeshi Aiba (Japan)

GS3-3. CRISPR-Mediated Insertions or Deletions of the Human *LMNA* Homolog in Zebrafish as a Model of Early-Onset Cardiac Conduction Disease
Kenshi Hayashi (Japan)

GS3-4. A TRPM4 Mutation in Patients with Ventricular Non-Compaction and Cardiac Conduction Disease
Kazufumi Nakamura (Japan)

GS3-5. Modelling Inherited Arrhythmias Using Human iPSC Cells: A Tool for Developing a New Therapeutic Approach
Takeru Makiyama (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
Kazuhiro 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)

Invited Symposium 40 (Basic/Genetic-7) 16:30-18:00

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) 10:00-11:30

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 Ogano (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)

IS42-4. LAA Closure for Stroke Prevention in AF: State of the Art
He Huang (China)

Room 315

General Symposium 4

8:30-10:00

Risk Assessment and Prevention of Sudden Cardiac Death

Chairpersons :

Yuji Nakazato (Japan) / **Sumeet S Chugh** (United States)

Keynote Lecture :

GS4-KL Beyond the Ejection Fraction : Novel Approaches to Sudden Cardiac Death Prediction
Sumeet S Chugh (United States)

Speakers :

GS4-1. PR/RR Interval as a Prognostic Marker of Long-Term Ventricular Arrhythmias and Cardiac Death in ICD/CRT-D Patients
Qiu Y Li (China)

GS4-2. Effect of Baroreflex Sensitivity on the Incidence of Ventricular Fibrillation in Patients with Early Repolarization Syndrome
Tetsuji Shinohara (Japan)

GS4-3. Long Time Courses and Risk Stratification of Asymptomatic Brugada Syndrome Patients
Yukiko Nakano (Japan)

GS4-4. Prognostic Significance of Non-Sustained Ventricular Tachycardia in Patients Receiving Cardiac Resynchronization Therapy for Primary Prevention: Analysis of the Japan Cardiac Device Treatment Registry Database
Hisashi Yokoshiki (Japan)

Invited Symposium 43 (Others)

10:00-11:30

Radiation Exposure during Catheter Ablation

Chairpersons :

Kohei Yamashiro (Japan) / **Josef Kautzner** (Czech Republic) / **Man-Chun Choi** (Hong Kong) / **Sung Ho Hwang** (Korea)

Keynote Lecture :

IS43-KL Reduction of Fluoroscopy Time and Radiation Dosage during Catheter Ablation for Atrial Fibrillation
Josef Kautzner (Czech Republic)

Speakers :

IS43-1. Fluoroscopic Reduction during Catheter Ablation
Kelvin Wong (Singapore)

IS43-2. Comparison of Fluoroscopy Use between Cryoballoon and Radiofrequency Catheter Ablation for Paroxysmal Atrial Fibrillation
Guodong Niu (China)

IS43-3. Radiation Safety and Protection in the EP Lab
Chang-Hee Lee (Korea)

IS43-4. Fluoroscopic Reduction during Catheter Ablation of Atrial Fibrillation
Shingo Maeda (Japan)

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)

Speakers :

- IS46-1. ICD Therapy in CPVT
Andrew Davis (Australia)
- IS46-2. How to Implant ICD Coil for Pediatric Patients
Tak-Cheung Yung (Hong Kong)
- IS46-3. CRT for Patients with CHD
Elizabeth A. Stephenson (Canada)
- IS46-4. LV Pacing for RV Pacing-Induced Ventricular Dysfunction
Hironori Matsuhisa (Japan)

Room 413**Oral Presentation 14**

8:00-9:30

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
Yoshikazu Sato (Japan)
- O14-2. Increased Heart Rate Recovery during Exercise Treadmill Testing Accentuated Type I 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

9:30-10:30

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
Yoshimasa Morimoto (Japan)
- O15-2. Predicting Value of Programmed Ventricular Stimulation in Vietnamese Patients
An KhanhNu Ton (Viet Nam)

- O15-3. Quinine for the Treatment of Electrical Storm and Prevention of Recurrent Shocks in Brugada Syndrome
Jayaprakash Shenthar (India)
- O15-4. ACN5A Expression was Reduced in Brugada Syndrome Patients without the SCN5A 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

10:30-11:30

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

13:30-14:50

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)

Oral Presentation 18 14:50-15:50

Device

Chairpersons :

Yasuo Okumura (Japan) / **Ming-Ho Wong** (Hong Kong) / **Pham Truong Son** (Viet Nam)

Speakers :

- O18-1. "Cardioversion and Atrial Pacing" Works in Patients with Heart Failure Accompanied by Chronic Atrial Fibrillation Undergoing Cardiac Resynchronization Therapy (CRT)
Shujiro Inoue (Japan)
- O18-2. Roc-On Study. Remote-Control of Cardiac Implantable Electronic Devices (CCIED), Interrogation and Reprogramming. Real-Time Clinical Application in the MRI Setting.
Esteban M Kloosterman (United States)
- O18-3. Real World, Large Single Center Experience in the Use of Wireless Insertable Cardiac Monitors (WICM) : What We Have Learned.
Esteban M Kloosterman (United States)
- O18-4. Usefulness of Remote Monitoring for Rapid Detection of Initial Atrial Fibrillation Occurrence in Patient With Implantable Cardioverter Defibrillator
Kohei Ishibashi (Japan)
- O18-5. Heart Failure Diagnostics Sensor Measurements Change Prior to Heart Failure Decompensation Events
Charn Sriratanasathavorn (Thailand)

Oral Presentation 19 15:50-16:50

Basic-3

Chairpersons :

Tetsuo Sasano (Japan) / **David S. Park** (United States) / **Nam-Ho Kim** (Korea) / **Gang Wu** (China)

Speakers :

- O19-1. Transforming Growth Factor-Beta-Mediated CD44/STAT3 Signaling Contributes to Development of Atrial Fibrosis and Fibrillation
Yung-Hsin Yeh (Taiwan)
- O19-2. Abnormal Biventricular Remodelling in an Experimental Ovine Sheep Model of Sustained Obesity: Implication for Sudden Cardiac Death
Thomas A. Agbaedeng (Australia)
- O19-3. Resveratrol Regulates Ventricular Arrhythmia by Suppressing P27^{Kip1} Expression
Yu-Ting Huang (Taiwan)

- O19-4. Graphene Sheet-Induced Global Maturation of Cardiomyocytes Derived from Human Induced Pluripotent Stem Cells
Chang Cui (China)
- O19-5. 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)
- O20-3. Diagnostic Sensitivity of Single Holter Monitoring to Detect Paroxysmal Atrial Fibrillation: Is Once Enough?
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)

Room 416+417

Oral Presentation 21 8:00-9:30

Pharm-2

Chairpersons :

Eiichi Watanabe (Japan) / **Muhammad Yamin** (Indonesia) / **Tae-Joon Cha** (Korea)

Speakers :

- O21-1. Combination of Voltage Map and Continuous Wavelet Transform Analysis Guided Ablation Benefits Patients with Persistent Atrial Fibrillation
Shinsuke Iwai (Japan)
- O21-2. Impact of Hypertrophic Cardiomyopathy on Predicting Thromboembolism or Death in Non-Valvular Atrial Fibrillation Under Anticoagulant Therapy.
Toyonobu Tsuda (Japan)
- O21-3. Clinical Outcome of Single Freeze Cryoballoon-Based Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation with 'Pure' Pulmonary Vein Foci.
Yukihiko Inamura (Japan)

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 Sugjura (Japan)

Oral Presentation 22

9:30-10:30

Pediatric-1

Chairpersons :

Keiko Toyohara (Japan) / J. Philip Saul (United States) / Jae-Kon Ko (Korea)

Speakers :

O22-1. Lidiolol 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 Pornsiriapratharn (Thailand)

O22-5. Malignant Phenotype of Adults with Repaired Tetralogy of Fallot

-Clinical Characteristics in Japanese Patients and Significance of Atrioventricular Conduction Disturbance-

Yohitaka Kimura (Japan)

Oral Presentation 23

10:30-11:30

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-Ischemic 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 Sarcoidosis: Clinical Features, Diagnosis, Management and Medium-Term Outcomes.

Jayaprakash Shenthar (India)

O23-4. Catheter Ablation of Premature Ventricular Contractions without X-Ray Using a 3D Mapping System

Chao-Feng Chen (China)

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 Atrioventricular Block 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)

Room 418

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)
- O27-3. Safety and Short-Term Outcomes of Catheter Ablation of Atrial Fibrillation Using Remote Magnetic Navigation System
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)

O29-2. Hybrid Minimally Invasive Approach for Transvenous Lead Extraction: A Feasible Technique in High-Risk Patients.

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)

Featured Research Session 2

13:30-14:50

Device

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 Bongiorno (Italy)

FRS2-5. Acute and Chronic Retrieval of a Leadless Cardiac Pacemaker from the Right Ventricle

Martin C. Burke (United States)

Oral Presentation 30

14:50-15:50

Tachy-1

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)

Oral Presentation 31

15:50-17:05

Brady-3

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
Keijiro 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 Pacing
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 Tachy-Arrhythmias 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)
- O32-5. The Evaluation of the Incidence of Esophageal Lesions by Cryoballoon Ablation for Extra Pulmonary Veins.
Takatoshi Shigeta (Japan)
- O32-6. Various Conduction Patterns between Right Atrium And Superior Vena Cava —The Ultra High-Resolution Mapping Using Novel 3D Mapping System—
Yasuaki Tanaka (Japan)

Nice

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 V5R 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)

- O33-6. J Waves for Predicting Cardiac Events in Hypertrophic Cardiomyopathy
Toyonobu Tsuda (Japan)
- O33-7. High-Frame-Rate Optical Tomography for Cardiac Action Potentials: Compressive Laminal Optical Tomography (CLOT)
Takumi Harada (Japan)

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 Atrioventricular 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)
- O34-4. Comparing Some Electrophysiological Properties of Conduction between Accessory Pathway and Atrioventricular Node.
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
Yoshiyuki Hama (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 Atrioventricular Nodal Reentrant Tachycardia with the Earliest Site of Atrial Activation At Lateral Tricuspid Annulus
Shuntaro Tamura (Japan)

O35-5. Catheter Ablation for Atrial Tachycardia Post Cardiac Surgery.

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)

Oral Presentation 36

13:30-15:00

SVT-3

Chairpersons :

Junichi Nitta (Japan) / **Rajiv Mahajan** (Australia) / **Bhargava Kartikeya** (India)

Speakers :

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)

Oral Presentation 37

15:00-16:30

SCD-2

Chairpersons :

Koichiro Yoshioka (Japan) / **Lin Yee Chen** (United States) / **Sumeet S. Chugh** (United States)

Speakers :

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)

Oral Presentation 38

16:30-18:00

AF-6

Chairpersons :

Koichi Inoue (Japan) / **Venkat Tholakanahalli** (United States) / **Dong Seop Jeong** (Korea)

Speakers :

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. Biatrial Tachycardias Diagnosed by Ultrahigh 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 :

Mitsuhiro Nishizaki (Japan) / **Pramesh Kovoov** (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 VTS

Yash Lokhandwala (India)

IS51-4. Catheter Ablation of VT Storm

B. Hygriv Rao (India)

Silk**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)

- IS52-2. Clinical ECG Index "Vagal Score" for Determining the Mechanism of Paroxysmal AV Block
Masataka Sumiyoshi (Japan)
- IS52-3. Role of Adenosine Triphosphate (ATP) in Head-Up Tilt-Induced Syncope, the Old and the New
Kuo-Hung Lin (Taiwan)
- IS52-4. Diagnosis and Management of Paroxysmal AV Block due to Vasovagal Syncope
Wanwarang Wongcharoen (Thailand)

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 Fujii (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)
- GS5-5. Management of Drug-Resistant Ventricular Fibrillation in Brugada Syndrome: Characteristics of Patients Respond to Endocardial Ablation.
Ahmed A Talib (Japan)

Invited Symposium 54 (Noninvasive-4) 16:30-18:00

Sudden Cardiac Death: Novel or Alternative Approach in Diagnosis and Therapy

Chairpersons :

Eiichi Watanabe (Japan) / **Dong-Gu Shin** (Korea) / **Surinder Kaur Khelae** (Malaysia) / **Jonathan S. Steinberg** (United States)

Keynote Lecture :

IS54-KL Novel Approach in Diagnosis and Therapy for SCD
Jonathan S. Steinberg (United States)

Speakers :

- IS54-1. Intramyocardial Adiposity in Arrhythmogenic Post-Infarct Cardiomyopathy
Jim Pouliopoulos (Australia)
- IS54-2. Heart Rate Variability and Cardiac Sympathetic Nerve Activity in Risk Stratification for SCD
Yi-Hsin Chan (Taiwan)
- IS54-3. Diagnosis of Underlying Cardiomyopathy in Inherited Syndrome
Yongkeun Cho (Korea)
- IS54-4. Combined Assessment of Noninvasive Markers Using Holter ECG
Takanori Ikeda (Japan)

Pearl

Allied Professional Program 1 8:30-10:00

EP Study and Catheter Ablation-1

Chairpersons : **Chang-Hee Lee** (Korea) / **Yi Lan Kuo** (Taiwan)

Speakers :

- AP1-1. How to Setup EP System, Stimulator and RF Generator
Joyce Ang Wei Ying (Singapore)
- AP1-2. How to Reduce Electrical Noise in EP Lab?
Hyun-Soo Lee (Korea)
- AP1-3. How to Reduce Radiation Exposure in EP Lab?
Kyoko Soejima (Japan)
- AP1-4. Bipolar vs. Unipolar EGM during Mapping
Christine Chiu-Man (Canada)
- AP1-5. Differential Diagnosis and Ablation of SVTS
Ken-Ichiro Ohtomo (Japan)
- AP1-6. Mapping and Ablation Strategy of AT and AFL
Yasuteru Yamauchi (Japan)

Allied Professional Program 2 10:00-11:30

Device-1

Chairpersons :

Yuji Nakazato (Japan) / **Toshiko Nakai** (Japan)

Speakers :

- AP2-1. Optimal ICD Programming: Primary Prevention vs. Secondary Prevention
Dulce Obias-Manno (United States)
- AP2-2. Optimal CRT Programming: Q-LV and AV-VV Delay
Michio Ogano (Japan)
- AP2-3. AF and Frequent PVCs in Patients with CRT-D
Kuan-Hung Yeh (Taiwan)
- AP2-4. Advantages and Disadvantages of Remote Monitoring
Susan L. Song (United States)

AP2-5. Device Clinic : Trouble Shooting Case In Pacemaker and CRT

Marleen E. Irwin (Canada)

AP2-6. Device Clinic : Trouble Shooting Case in ICD

Morio Shoda (Japan)

Invited Symposium 55 (Device-7) 15:00-16:30

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)

Invited Symposium 56 (Device-8) 16:30-18:00

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)

Room 501

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
Itsuro Morishima (Japan)

O39-2. Impact of Atrial Fibrillation Catheter Ablation on the Long-Term Clinical Outcome: The Fushimi AF Registry.

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)

Oral Presentation 40 10:30-11:30

AF-5

Chairpersons :

Shigeru Ikeguchi (Japan) / Jian-Ming Li (United States) / Stuart Thomas (Australia)

Speakers :

- O40-1. Early Recurrence of Atrial Fibrillation after Cryoballoon Ablation; Timing of Early Recurrence and Predictors of Long-Term Ablation Success
Nobuaka Kato (Japan)
- O40-2. The Usefulness of Left Atrial Appendage Fractional Volume Change for Estimation of Spontaneous Echo Contrast.
Shinichi Tachibana (Japan)
- O40-3. The Left Atrial Appendage Flow Velocity Measured by Cardiac Magnetic Resonance Imaging is Feasible and Associated with Early Recurrence of Atrial Fibrillation after Catheter Ablation
Kwang-No Lee (Korea)
- O40-4. Notched P Wave Component is a New Electrocardiographic Marker for Recurrence of Atrial Fibrillation after Electrical Cardioversion
Yuhi Fujimoto (Japan)
- O40-5. Improving Basket Mapping of Atrial Fibrillation Using a Novel Tomographic Imaging Approach
Mark A Swerdlow (United States)

Educational Lecture 3 13:30-14:30

Diagnosis and Treatment of Syncope

Chairperson : Yoichi Kobayashi (Japan)

Speaker : Michele Brignole (Italy)

Oral Presentation 41 14:30-15:30

VT-4

Chairpersons :

Masaomi Chinushi (Japan) / Soot Keng Ma (Malaysia) / Aravinda Thiagalingam (Australia)

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)

Oral Presentation 42

15:30-17:00

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 Syncope.
Keisuke Miyajima (Japan)
- O42-5. Effective Reduction of Inappropriate Shock after Applying Long Detection Interval of Ventricular Arrhythmia
Youmi Hwang (Korea)
- O42-6. Repeat Cardiac MRI to Tailor Therapy in Patients with Initial Presentation with Complete Atrioventricular Block: Usefulness of MRI Conditional Device
Noriko Matsushita (Japan)
- O42-7. Iatrogenic AV Fistula during Pacemaker Implantation Closed by Coiling.
Debabrata Bera (India)

Educational Lecture 4

17:00-18:00

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**

8:30-10:00

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 -**
Yasushi 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**
Kejiro 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)

10:00-11:30

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 Fibrillation
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)

IS57-4. J Wave Syndrome
Tsukasa Kamakura (Japan)

Great Debate 1

15:00-16:30

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

Mélèze Hocini (France)

GD1-4. Voltage Map Guide Ablation

Takeshi Tsuchiya (Japan)

Room 511+512

Oral Presentation 43

14:30-15:30

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

15:30-16:30

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

Yungi 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

16:30-18:00

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. Hotballoon vs. Cryoballoon Ablation for Atrial Fibrillation: Lesion Analyses and Complication

Koichi Nagashima (Japan)

Exhibition Hall C

Educational Seminar

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

Chairpersons :

Osamu Igawa (Japan)

[10:30-11:30]

1. Anatomy of Aortic Root and Its Surroundings

[15:00-16:00]

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 (Lvz)

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)

RF2-5. 1-Year Outcomes of Patients Undergoing Primary AF Ablation - Influence of Gender

Melissa E Middeldorp (Australia)

RF2-6. Largest Fibrosis Patch Predicts Atrial Fibrillation Ablation Recurrences

Mihail Gabriel Chelu (United States)

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.
Yasuhito 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 Tibdewal (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)

RF8-3. Patient-Reported Treatment Satisfaction with Direct Oral Anticoagulants in the Treatment of Nonvalvular Atrial Fibrillation: Comparison of the One-Daily and Twice-Daily Dosing Regimen
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)

RF9-3. Efficacy of Cavotricuspid Isthmus Catheter Ablation Using Cryothermal Energy on Paroxysmal Atrial Fibrillation

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 Flutters after Valve Replacement Surgery

Jaishankar Krishnamoorthy (India)

RF11-2. Radiofrequency Catheter Ablation of Atrial Fibrillation in Patients Who Underwent Structural Heart Disease Intervention.

Kosei Tanaga (Japan)

RF11-3. Two Mechanism of OSVT in One Patient: Both Short RP And Long RP Tachycardia.

Ramdeo Yadave (India)

RF11-4. Catheter Ablation of Focal Atrial Tachycardia Originated from Non-Coronary Cusp in Japanese Elder Patients.

Yujin Maru (Japan)

RF11-5. Single Centre Experience of RF Ablation in Tachycardiomyopathy

Soma Sekhar Ghanta (India)

Rapid Firing Session 12

15:40-16:20

Device-2**Chairpersons :**

Atsushi Iwasa (Japan) / **Russell Denman** (Australia)

Speakers :

RF12-1. Shock Tore 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**Catheter Ablation of Accessory AV Pathways****Chairperson :** Teiichi Yamane (Japan)**Speaker :** Warren M. Jackman (United States)**Invited Symposium 58 (AF-10)** 16:30-18:00**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

Atsuhiko Yagishita (Japan)

Room 301**Invited Symposium 59 (SCD-7)** 8:30-10:00**Fifteen Years from MADIT II and SCDHeFT; Gap between the Historical Evidence and Therapeutic Development (PCI for Acute Coronary Syndrome, CRT, New Anti-Heart Failure Drugs)****Chairpersons :**

Takashi Kurita (Japan) / Chu-Pak Lau (Hong Kong) / David S. Cannom (United States) / Vincent Paul (Australia)

Keynote Lecture :

IS59-KL Prophylactic Implantation of ICD in Patients with Severely Impaired LV Function

David S. Cannom (United States)

Speaker :

IS59-1. Can Programming of CIED Improve the Prognosis of MADIT-II PCI?

Takashi Kurita (Japan)

IS59-2. Can PCI Improve the Prognosis of MADIT-II Patients?

Kenji Ando (Japan)

IS59-3. Can CRT Provide Positive Impact on Patients' QOL and Survival?

Vincent Paul (Australia)

IS59-4. Latest Optimizing Therapy to Improve Mortality of MADIT-II Patients

Chu-Pak Lau (Hong Kong)

Invited Symposium 60 (SCD-8) 10:00-11:30**New Insights of Out-of-Hospital Cardiac Arrest****Chairpersons :**

Mitsuharu Kawamura (Japan) / Nazar Luqman Bilgrami (Brunei) / Kuan-Cheng Chang (Taiwan) / June Namgung (Korea)

Keynote Lecture :

IS60-KL Sudden Cardiac Death: What Do We Learn from the Thunder Registry in Taiwan?

Kuan-Cheng Chang (Taiwan)

Speakers :

IS60-1. Can We Expand the Indication of Implantable Cardioverter-Defibrillator Therapy for Ventricular Fibrillation out of Hospital Cardiac Arrest?

Mitsuharu Kawamura (Japan)

IS60-2. Preventing SCD among Children and Young Adults

Andrew Davis (Australia)

IS60-3. Impact of 1.5 Prevention of SCD in Asia Regions

Shu Zhang (China)

IS60-4. Incidence and Predictors of Sudden Arrhythmic Death or Ventricular Tachyarrhythmias after Acute Coronary

Jo Jo Hai (Hong Kong)

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

Hui-Nam Pak (Korea)

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. Afib Ablation Using Hot Balloon in University of Tsukuba

Hiro Yamasaki (Japan)

IS62-2. Afib Ablation Using Hot Balloon in Tokyo Heart Center

Hiroshi Sohara (Japan)

- IS62-3. Laserballoon Ablation Therapy for AF: Frankfurt Experience
Boris Schmidt (Germany)
- IS62-4. Laserballoon Ablation Therapy for AF: Hamburg Experience
Andreas Metzner (Germany)

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
Tsuyoshi Shiga (Japan)
- IS64-2. Rhythm Control Using Bepridil
Thoranis Chantrarat (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)
- GS7-2. Systematic Approach to the Evaluation of In-Hospital Remote Cardiac Implantable Electronic Devices (CIED): Maximizing Efficiency at the United States Largest Volume Transmission Center.
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)

General Symposium 8

13:30-15:00

Regenerative Medicine and Arrhythmias**Chairpersons :**

Shinsuke Yuasa (Japan) / Katsuhito Fujiu (Japan)

Keynote Lecture :

- GS8-KL Cardiac Arrhythmia Modeling by Induced Pluripotent Stem Cells
Shinsuke Yuasa (Japan)

Speaker :

- GS8-1. Transplantation of Regenerated Cardiomyocyte and Arrhythmia
Shin Kadota (Japan)
- GS8-2. Optogenetics is a Precise and Flexible Approach for the Research of Cardiac Arrhythmia
Chan Jiang (China)
- GS8-3. 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)
- GS8-4. Cardiac Macrophage is a Novel Target of Regenerative Medicine on Arrhythmia.
Katsuhito Fujiu (Japan)

Invited Symposium 66 (Basic/Genetic-10)

15:00-16:30

Sodium Channel Diseases**Chairpersons :**

Takeru Makiyama (Japan) / Jum Suk Ko (Korea) / Amit Kumar Malik (India) / Wataru Shimizu (Japan)

Keynote Lecture :

- IS66-KL Sodium Channel Diseases
Wataru Shimizu (Japan)

Speakers :

- IS66-1. AT/AF/DCM
Takeru Makiyama (Japan)
- IS66-2. Brugada
Kui Hong (China)
- IS66-3. PCCD/SSS
Taisuke Ishikawa (Japan)
- IS66-4. LQT3
Jong-Il Choi (Korea)

Invited Symposium 67 (Basic/Genetic-11)

16:30-18:00

iPS Cells in Arrhythmia Research**Chairpersons :**

Takeru Makiyama (Japan) / Jiunn-Lee Lin (Taiwan) / Shinsuke Yuasa (Japan) / Masayuki Yazawa (United States)

Keynote Lecture :

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

Speakers :

- IS67-1. Disease Modeling by iPS Cells
Shinsuke Yuasa (Japan)
- IS67-2. (TBD)
Takeru Makiyama (Japan)
- IS67-3. Drug-Induced Proarrhythmia Risk Assessment Using Human iPS Cell-Derived Cardiomyocytes
Yasunari Kanda (Japan)

Room 304**Electrocardiology Frontiers 2017**

9:30-11:30

Basic and Clinical in the K_{ATP} Channel**Chairpersons :**

Katsushige Ono (Japan) / Nobuhisa Hagiwara (Japan)

Speakers :

- EF-1. Activation of K_{ATP} Channel Simulated in the Human Ventricular Cell Model under EAD-Mediated Arrhythmia
Akinori Noma (Japan)
- EF-2. Role of ATP-Sensitive K⁺ Channels in Cardiac Arrhythmias: Electrophysiological Analyses Using Genetically Manipulated Mice
Haruaki Nakaya (Japan)
- EF-3. K_{ATP}/TRP-Channel Cooperativity in Insulin Secretion, Dysregulation and Metabolic Disorder
Masafumi Kakei (Japan)
- EF-4. Roles of Intracellular Signaling Pathways Regulating the K_{ATP} Channel and Mitochondria in Myocardial Protection from Ischemia/Reperfusion Injury
Tetsuji Miura (Japan)

12th Tawara-Aschoff Symposium

15:00-16:30

Chairpersons :

Kan Takayanagi (Japan) / Yoichi Kobayashi (Japan)

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 Tobiume (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)

Room 315

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)

General Symposium 9

10:00-11:30

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** (Austra-

lia)

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)

APHRs Young Investigator Award Competition 2

16:30-18:00

Basic

Chairpersons :

Masayasu Hiraoka (Japan) / **Tus-Juey Wu** (Taiwan)

Judges :

Tetsushi Furukawa (Japan) / **Xiaohan Fan** (China) / **Gi-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)

APHRs-YIA2-4. Structural and Electrophysiological Dysfunctions due to Increased ER Stress in a Long-Term Pacing Model Using Human Induced Pluripotent Stem Cell-Derived Ventricular Cardiomyocytes

Chang Cui (China)

APHRs-YIA2-5. Effectiveness of Atrial Fibrillation Rotor Ablation is Dependent on Conduction Velocity: An In-Silico 3-Dimensional Modeling Study

Byoungyun Lim (Korea)

APHRs-YIA2-6. The Use of Unipolar Endocardial Contact Mapping to Detect the Presence of Intramyocardial Adipose Tissue in the Chronic Myocardial Infarction Substrate.

Rahul Samanta (Australia)

Step-up Session 1 15:00-16:30

Recently Joining Countries to APHRs

Chairpersons :

Wee-Siong Teo (Singapore) / **Kyoko Soejima** (Japan)

Speakers :

SS1-1. Current Issues and Step-Up Strategy in the Arrhythmia Management in Vietnam.

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)

SS1-4. The Current Issues and Step-Up Strategy in the Arrhythmia Management in Pakistan.

Zahid Aslam Awan (Pakistan)

Step-up Session 2 16:30-18:00

New Member Countries of APHRs

Chairpersons :

Young-Hoon Kim (Korea) / **Yoshinori Kobayashi** (Japan)

Speakers :

SS2-1. Current Status and Issues of the Arrhythmia Management in Brunei

Sofian Johar (Brunei)

SS2-2. Current Status and Issues of the Arrhythmia Management in Cambodia

Chandara Mam (Cambodia)

SS2-3. Current Status and Issues of the Arrhythmia Management in Mongolia

Saruul Tseveendee (Mongolia)

SS2-4. Current Status and Issues of the Arrhythmia Management in Sri Lanka

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)

Speakers :

O46-1. Real-World Safety and Effectiveness of Contact Force Sensing Catheters for Atrial Fibrillation Ablation in China: Smart China Registry

Congxin Huang (China)

O46-2. Poor Rhythm Outcome of Catheter Ablation for Early Onset Atrial Fibrillation in Women: Mechanistic Insight

Heetae Yu (Korea)

O46-3. Usefulness of Ultra High-Resolution Mapping: A Figure of Eight Reentrant Atrial Tachycardia Using a Gap in RSPV and Slow Conduction in Left Atrial Anterior Wall

Michitsugu Komeda (Japan)

O46-4. Catheter Ablation of Incessant Irregular Ventricular Tachycardia Originating from the Left Posterior Papillary Muscle

Kaijun Cui (China)

O46-5. Characteristics of Atrioventricular Nodal Reentrant Tachycardia with a Prolonged PR Interval during Sinus Rhythm

Masaru Inoue (Japan)

Oral Presentation 47 14:40-15:40

Inherit-2

Chairpersons :

Masaomi Chinushi (Japan) / **Raphael Rosso** (Israel) / **Jim Pouliopoulos** (Australia)

Speakers :

O47-1. Inherited Primary Arrhythmia Syndrome Presenting with Phenotypic Features of Catecholaminergic Polymorphic Ventricular Tachycardia Plus Prominent U-Waves

Tommy Dharmawan (Japan)

O47-2. Unusual Presentation of Brugada Syndrome in Young Pediatric Patient

Sarin Lekchuensakul (Thailand)

O47-3. Score System for Diagnosis of Syncope after Alcohol Intake in Brugada Syndrome

Qi Wu (Japan)

O47-4. Atrial and Ventricular Electrocardiographic Phenotype Mismatch in Patients with Brugada Syndrome and No History of Atrial Fibrillation: A Non-Invasive Assessment of Atrial Electrical Abnormalities

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)

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)

Room 413

Oral Presentation 49

8:00-9:30

Allied-4

Chairpersons :

Koji Higuchi (Japan) / **Jin-Long Huang** (Taiwan)

Speakers :

O49-1. AF Termination during Low Voltage Zone (LVZ) Ablation Does not Predict Outcomes after the Ablation in Patients with Persistent AF (PeAF)

Yuki Kawano (Japan)

O49-2. Clinical Significances of Postoperative Atrial Arrhythmias in Patients Who Underwent Lung Transplantation

Jae-Sun Uhm (Korea)

O49-3. Randomized Control Study of the Effect of Circumferential Pulmonary Vein Isolation Combination with Super Strict Test on Maintaining Sinus Rhythm in Paroxysmal Atrial Fibrillation Patients

Fengxiang Zhang (China)

O49-4. Outcomes of AF Awareness Week: A Population Screening Strategy AF Frequency and Risk

Melissa E Middeldorp (Australia)

O49-5. Selective Left Atrial Ablation of Atrial Fibrillation in Patients without Right Heart Disease

Minho Ju (Korea)

O49-6. Predictors for Postoperative AVB with Permanent Pacemaker Requirement in Post-Cardiac Valve Surgery

Supakit Kunoopakarn (Thailand)

O49-7. Is It Right Time to Prevent Ischemic Stroke in Patients with Atrial Fibrillation Induced by Hyperthyroidism?

Wei-Chieh Lee (Taiwan)

Oral Presentation 50

9:30-10:30

Allied-5

Chairpersons :

Toshihiro Nakamura (Japan) / **Zaw Lin Aung** (Myanmar)

Speakers :

O50-1. Methods for Guiding Exercise Training Intensity in Patients with Atrial Fibrillation

Christian V Verdicchio (Australia)

Oral Presentation 51

10:30-11:30

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)

Allied Professional Program 3

13:30-15:00

Device-2

Chairpersons :

Young M. Park (United States) / **Kyoung-Jeong Ko** (Korea)

Speakers :

AP3-1. CIED Lead Design and Efficiency

Yu Kojima (Japan)

AP3-2. Fluoroscopic Anatomy for CIED Implantation

Michio Ogano (Japan)

AP3-3. Why and How to Reduce RV Pacing?

Choon-Ja You (Korea)

AP3-4. Noise on Lead: What Are the Possible Causes

Shufen Liang (Singapore)

AP3-5. Lead Extraction Tools and Technique

Masahiko Goya (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 Cryo-balloon 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)

Oral Presentation 52 17:00-18:00

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 Cryoablation in Paroxysmal Atrial Fibrillation Patients
Naoharu Yagi (Japan)
- O52-3. The Evolving Clinical Profile, Pattern of Management and Outcomes of Patients with Acute Cardioembolic Stroke (CES) at the University of the Philippines - Philippine General Hospital
Joseduardo DL. Duya (Philippines)
- O52-4. Severe Complications Related with Ventricular Tachycardia Mapping and Ablation in Patients with Structure Heart Diseases
Fengxiang Zhang (China)
- O52-5. Atrial Fibrillation may Be a Potential Risk Factor for Pulmonary Embolism
Khalid Bin Waleed (China)

Room 416+417

Oral Presentation 53 8:00-9:00

Brady-4

Chairpersons :

Hiroshi Nakajima (Japan) / **Chi Keong Ching** (Singapore) / **Ulhas M. Pandurangi** (India)

Speakers :

- O53-1. Ultrasound-Guided versus Conventional Femoral Venipuncture for Catheter Ablation of Atrial Fibrillation: A Multicenter Randomized Efficacy and Safety Trial (Ultra-Fast Trial)
Kenichiro Yamagata (Czech Republic)
- O53-2. Long-Term Outcome of Adjunctive Left Atrial Voltage-Guided Substrate Modification in Patients with Persistent AF and Advanced Structural Remodeling
Atsuhiko Yagishita (Japan)
- O53-3. Long-Term Outcomes after Pacemaker Implantation with Apical Pacing vs. Septal Pacing
Takeya Suzuki (Japan)
- O53-4. Clinical Predictors and Outcomes for Permanent Pacemaker Implantation after Adult Heart Transplantation
Yuna Kim (Korea)
- O53-5. Real-World Experience with the Micra Transcatheter Pacemaker: A Comparison to the Investigational Trial
Paul R Roberts (United Kingdom)

Oral Presentation 54 9:30-10:30

Pharm-4

Chairpersons :

Masaharu Akao (Japan) / **Ajit Thachil** (India) / **Moon-Hyoung Lee** (Korea)

Speakers :

- O54-1. Ambient Fine Particulate Matter (PM 2.5) Exposure Is Associated with Idiopathic Ventricular Premature Complexes Burden: A Cohort Study with Repeated Holter Recordings.
Tsong-Ying Tsai (Taiwan)
- O54-2. Obesity Causes Ventricular Ionic and Structural Remodelings and Increases Arrhythmogenicity 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)
- O55-5. Early and Long-Term Outcomes after Manual and Remote Magnetic Navigation Guided Catheter Ablation for Ventricular Tachycardia
Pierre C Qian (Australia)

Oral Presentation 56

13:50-15:10

Basic-4**Chairpersons :**

Tetsushi Furukawa (Japan) / **Masayuki Yazawa** (United States) / **Gyo-Seung Hwang** (Korea) / **Hung-I Yeh** (Taiwan)

Speakers :

- O56-1. N-Methyl-D-Aspartate Receptors Activation Down-Regulated Transient Outward Potassium and L-Type Calcium Current of Ventricular Myocyte in Rat Depression Models
Xin Liu (China)
- O56-2. Exploring LXR/RXR Pathway as a Mechanism of Pacing-Induced Mechanical Dysfunction by Animal and Cell Pacing Models
Lin Yu-Sheng (Taiwan)
- O56-3. Multi-Stability in Early Afterdepolarizations as a Potential Mechanism that Triggers Life-Threatening Arrhythmias in Human Ventricle
Kunichika Tsumoto (Japan)
- O56-4. Ventricular Arrhythmias Initiated from Conduction Delay Zone around Right Ventricular Outflow Tract Epicardium: A Simulation Study
Shin Inada (Japan)
- O56-5. Appropriate Time Window of T-Wave Alternans to Predict Ventricular Arrhythmias and the Effect of Low-Level Vagus Nerve Stimulation on It
Shuang Zhao (China)
- O56-6. Accumulated Phase Variance Analysis of Cardiac Spiral Wave Dynamics
Hiroshi Seno (Japan)

Oral Presentation 57

15:10-16:10

Basic-5**Chairpersons :**

Haruaki Nakaya (Japan) / **Natalia Trayanova** (United States) / **Yu-Cheng Hsieh** (Taiwan)

Speakers :

- O57-1. Human Endocardial Ventricular Electrogram Characteristics in Ultrastructurally Normal Hearts
Adam Lee (Australia)
- O57-2. Proinflammatory Cytokine Decreases Intracellular Calcium Transient and Enhances Ventricular Arrhythmia
Shih-Lin Chang (Taiwan)

- O57-3. Ventricular Fibrillation Frequency Spectral Response to Systemic Potassium Chloride Infusion During Refractory Cardiac Arrest
Matthew D Olson (United States)
- O57-4. Glucose Fluctuation Accelerates Sinus Node Dysfunction in STZ Induced Diabetes Rats.
Yuki Ikebe (Japan)

Oral Presentation 58

16:10-17:10

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)

Oral Presentation 59

17:10-18:10

Pharm-5**Chairpersons :**

Takao Katoh (Japan) / **Han Ling** (Australia) / **Yong Seog Oh** (Korea)

Speakers :

- O59-1. Ablation of Ventricular Ectopics from LV Summit
Jaishankar Krishnamoorthy (India)
- O59-2. What Is the Role of the Stroke Volume during Post-Ectopic Beat in the Occurrence of Ventricular Premature Complex-Related Symptoms?
Hyebin Gwag (Korea)
- O59-3. Initial Experience of Ultra-High Resolution Mapping System for Catheter Ablation for Right Ventricular Outflow Tract Tachycardia
Kazuyasu Yoshitani (Japan)
- O59-4. Unusual Cause of Sustained Monomorphic Ventricular Tachycardia in a Patient with Repaired Tetralogy of Fallot
Kyoichiro Yazaki (Japan)

O59-5. Percutaneous Epicardial Ablation of Recurrent Idiopathic Left Ventricular Tachycardia in 15-Year-Old Boy
 Yoshiaki Kato (Japan)

Room 418

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) / **Jiangang 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 Kataria (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 Arrhythmias 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)
- O62-4. Novel Strategy for Reducing the Risk of Procedure-Related Cerebral Thromboembolism during Cryoballoon Ablation of Atrial Fibrillation: A Propensity Score-Matched Analysis
 Michifumi Tokuda (Japan)

Featured Research Session 3 13:30-14:50

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 64 15:50-16:50**VT-6****Chairpersons :**

Yasuya Inden (Japan) / **Cyril Yiu-Kwan Ko** (Hong Kong) / **Amit Vora** (India)

Speakers :

- O64-1. Premature Ventricular Contractions Originating from Left Ventricle Close to the His Bundle Region: New Insights into the Electrophysiological Characteristics and Mechanisms.
Tomomichi Suzuki (Japan)
- O64-2. Medium-Term Outcomes in Ectopy-Mediated Cardiomyopathy (EMC): A Single Centre Experience
Adam Lee (Australia)
- O64-3. Electrogram-Derived Quantitative Criteria Improves Predictive Values for Locating the Site of Focal Idiopathic Outflow Tract Ventricular Arrhythmias
Guodong Niu (China)
- O64-4. Long-Term Baseline Premature Ventricular Complexes Burden Serves as a Predictor for Cardiac Death in ICD Recipients
Zeyi Li (China)

Oral Presentation 65 17:00-18:00**Inherit-3****Chairpersons :**

Yuichiro Kawamura (Japan) / **Keping Chen** (China)

Speakers :

- O65-1. Sex Dependent Risk of Sudden Death or Sick Sinus Syndrome in a Family with Brugada Syndrome
Yoshiyasu Aizawa (Japan)
- O65-2. Hypertrabeculation at Left Ventricular Apex Is Highly Prevalent and May Affect the Formation of Both J-Waves and T-Waves in Long QT Syndrome
Tadashi Nakajima (Japan)

O65-3. Unexpected Genetic Findings: A Case of Hypertrophic Cardiomyopathy with an Arrhythmogenic Right Ventricular Cardiomyopathy Founder Mutation
Jodie Ingles (Australia)

O65-4. Severe Phenotype of Catecholaminergic Polymorphic Ventricular Tachycardia Caused by Double RYR2 Mutations
Koichiro Takayama (Japan)

O65-5. Unusual Causes of Adult Onset Torsades De Pointes- A Registry from a Tertiary Care Hospital in North India
Vivek Chaturvedi (India)

Cannes**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
Minh 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
Kohei Ishibashi (Japan)

IS69-4. Targeting Fibrosis for Ventricular Arrhythmias
 Yufeng Hu (Taiwan)

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 :

IS70-KL Can Catheter Ablation of Atrial Fibrillation Reduce The Incidence of Stroke?
 Richard Schilling (United Kingdom)

Speakers :

- IS70-1. Silent Cerebral Infarction in Catheter Ablation for AF
 Venkat Tholakanahalli (United States)
- IS70-2. Who Can Stop Oral Anticoagulation after AF Ablation?
 Aman Chugh (United States)
- IS70-3. Clinical Challenges of AF Detection in Patients with Cryptogenic Stroke
 Jian-Ming Li (United States)
- IS70-4. Thromboembolism Risk and Catheter Ablation for AF
 Seung-Young Roh (Korea)
- IS70-5. Prognostic Significance of AF Burden or Amount of AF In Relation to Stroke
 Lin Yee Chen (United States)

Nice

Oral Presentation 67 8:00-9:30

SVT-4

Chairpersons :

Ken-ichiro Ohtomo (Japan) / **Quoc Khanh Pham** (Viet Nam) / **Dujdao Sahasthas** (Thailand)

Speakers :

- O67-1. Pulmonary Vein Disconnection with Real-Time Monitoring from Pulmonary Vein Using Second-Generation Cryoballoon: Predictors of Early Pulmonary Vein Reconnection
 Hui-Qiang Wei (China)
- O67-2. A Case of Atrioventricular Nodal Reentrant Tachycardia and Atrial Tachycardia That Shared Atrioventricular Ring Along Tricuspid Annulus as the Arrhythmogenic Substrates
 Takashi Iizuka (Japan)
- O67-3. Factor to Obtain Durable Pulmonary Vein Isolation Using Cryoballoon Ablation. Analysis in the Case of PV Potential Was Obscure during Ablation
 Tadashi Hoshiyama (Japan)
- O67-4. The Evaluation of Superior Vena Cava Stenosis after a Superior Vena Cava Isolation in Patients with Paroxysmal Atrial Fibrillation.
 Masayuki Ishimura (Japan)
- O67-5. Chronic Efficacy of a Novel Linear Cryo-Ablation Catheter in Cavo-Tricuspid and Mitral Isthmus Linear Ablation; A Canine Model of Atrial Fibrillation
 Atsushi Suzuki (United States)

O67-6. A Case of WPW Syndrome, Persistent Left Superior Vena Cava, and Coronary Sinus Diverticulum: Ablation of Atrioventricular Accessory Pathway Associated with the Diverticulum
 Kojiro Ogawa (Japan)

O67-7. A Case of Focal Atrial Tachycardia Mimicking Atrial Flutter in Surface Electrocardiogram
 Shuntaro Tamura (Japan)

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)

Speaker :

- O69-1. Distribution of Origin of Ectopic Atrial Tachycardia in Young People and Success Rate of Catheter Ablation by Site
 Tatsuhiko Hirao (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**

(Singapore)

Speakers :

- O70-1. His-Bundle Potential Inversion Predicts Adequate Placement of His-Bundle Pacing Lead
Shinji Mito (Japan)
- O70-2. Safety and Efficiency of Leadless Transcatheter Pacer-maker (Micra): Real World Practice
Gilbert G Florentino (Malaysia)
- O70-3. Improvement in S-ICD Incision Closure Time and High Implanter Satisfaction Using a Novel Skin Closure Device
Daniel S Goldman (United States)
- O70-4. CRT with Epicardial LV Lead Placement via Thoracotomy: Intermediate Term Outcome
Debabrata Bera (India)
- O70-5. RV Septal Pacing Guided by RV Angiogram for Accurate Lead Placement
Jayaprakash Shenthathar (India)
- O70-6. Implantable Cardioverter Defibrillator Therapy in Children
Yoshiki Nagata (Japan)
- O70-7. Outcomes of 195 Consecutive Transvenous Mechanical Lead Extractions without Powered Sheaths in Patients with Cardiac Implantable Electronic Devices at National Heart Centre, Singapore (NHCS)
Iswaree Balakrishnan (Singapore)

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 Togashi (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 Intercurrent 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)

Oral Presentation 72

16:30-18:00

SVT-7**Chairpersons :**

Hiroshige Yamabe (Japan) / **Wen-Chin Ko** (Taiwan) / **Jayaprakash Shenthathar** (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
Ardhestiro Harnindy 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)

Monaco**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
Seiichiro 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
Yoshihide 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)
- IS74-2. Mechanism, Predictors, and Trends of Electrical Failure of ICD Leads
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 Saksena** (United States)

Keynote Lecture :

IS75-KL Thirty Year History of SVT Diagnosis and Ablation
Sanjeev Saksena (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 Sugi** (Japan)

Speakers :

- EL5-1. Cardiovascular Magnetic Resonance Guided Ablation
Gerhard Hindricks (Germany)
- EL5-2. 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. Electrophysiologic 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
Yoshifumi 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)

Room 502

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-Il Choi (Korea)

IS76-4. LQTS in Patients with Dilated Cardiac Hypertrophy
Dao W. Wang (China)

Room 503

Great Debate 2 8:30-9:15

Occlusion of the Left Atrial Appendage Is Preferable to Anticoagulation to Prevent Stroke in Atrial Fibrillation Patients

Chairpersons :

Martin K Stiles (New Zealand) / Ngai-Yin Chan (Hong Kong) / Mitsuharu Kawamura (Japan)

Speakers :

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

Great Debate 3 9:15-10:00

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

Chairpersons :

Antonio Raviele (Italy) / Shin-ichi Niwano (Japan) / Jae-Sun Uhm (Korea)

Speakers :

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

Educational Lecture 6 10:00-11:00

Tips in Programming of ICD and CRT

Chairperson : Iwao Yamaguchi (Japan)

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)

Great Debate 4 16:30-17:15

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

Chairpersons :

Takashi Kurita (Japan) / Giselle Gervacio (Philippines)

Speakers :

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

Great Debate 5 17:15-18:00

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

Chairpersons :

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

Speakers :

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

Exhibition Hall C

Educational Seminar

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

Osamu Igawa (Japan)

[10:20-11:20]

3. Structure of RA and RV: Including Normal Conduction System in RV

[15:00-16:00]

4. Structure of LA and Its Surroundings : Including Pulmonary Veins and Artery, Aorta, Esophagus, Sinus Node Artery, His Bundle and Phrenic Nerves

[Booth 1]

Rapid Firing Session 13 8:30-9:30

Pharm-2

Chairpersons :

Takashi Koyama (Japan) / Kee-Joon Choi (Korea)

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)
- RF13-6. Beneficial Effect of Factor XA Antagonists on Recurrence after Pulmonary Vein Isolation in Paroxysmal Atrial Fibrillation Patients with Less Overloaded Left Atrium
Hitoshi Nakamura (Japan)

Rapid Firing Session 14 9:30-10:30

Allied-3

Chairpersons :

Hiroto Takeda (Japan) / Hitoshi Hachiya (Japan)

Speakers :

- RF14-1. Usefulness of Deceleration Capacity in Connection with Glucose Tolerance in Acute Coronary Syndrome.
Katsuki 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-5**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)
- RF15-2. Assessment of Autonomic Nervous System Modulation after Novel Catheter Ablation Techniques for Atrial Fibrillation Using Multiple Short-Term Electrocardiogram Recordings
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. $T_{Peak} - T_{End}$ 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
Tsong-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 Neurally Mediated 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 Occuring 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?
Sandeep 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
Xiaonan 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 Fat 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)

Rapid Firing Session 23

14:30-15:30

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 24

15:30-16:30

AF-7**Chairpersons :**

Ritsushi Kato (Japan) / Stephen Joseph (Australia)

Speakers :

- RF24-1. Implantable Cardioverter Defibrillator for Primary Prevention may Be Precluded after the Catheter Ablation for Atrial Fibrillation in Patients with Congestive Heart Failure
Atsuhiko Yagishita (Japan)
- RF24-2. Predictors of Anticoagulation Use for the Prevention of Stroke in Indigenous and Non-Indigenous Australians with Atrial Fibrillation
Simon Rocheleau (Australia)
- RF24-3. Coronary Artery Spasm during Cryoballoon Ablation Procedure for Atrial Fibrillation
Tomonori Watanabe (Japan)
- RF24-4. Hybrid Therapy Involving Thoracoscopic Left Atrial Appendectomy and Catheter Ablation for Atrial Fibrillation in Patients with Left Atrial Appendage Thrombus
Yoko Ito (Japan)
- RF24-5. A Case of Mediastinal Hematoma due to Injury of Left Atrial Roof Vein
Tsuyoshi Mishima (Japan)
- RF24-6. Cryoballoon Ablation in Patients with Atrial Fibrillation Over 75 Years
Takashi Ikenouchi (Japan)

Sunday, September 17**Main Hall****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 Afib
Young-Hoon Kim (Korea)
- CC4-3. The Cardiac Pacing: State of the Art
John D. Fisher (United States)

Core Curriculum Session 5

9:50-11:20

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)

CC5-5. Taiwan Heart Rhythm Society
 Shih-Ann Chen (Taiwan)

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 Takahashi** (Japan) / **Tetsushi Furukawa** (Japan) / **Takashi Ashihara** (Japan) / **Naomasa Makita** (Japan)

Speakers :

- JHRS-YIA1-1. Ischemia-Induced Small-Conductance Calcium-Activated Potassium Channel Activation Deteriorates 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)

JHRS Young Investigator Award Competition 2 14:20-15:20

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 Watanabe (Japan) / Taijiro Sueda (Japan) / Yoshio 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) / Katsuhiko Imai (Japan)

Speakers :

JS-1. Pacing Therapy for Preventing Atrial Fibrillation; Which One? To Which Patient? Which Outcome?

Seiichiro 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)

APA-2. Sports Allowance/Restriction in the Patients with Long QT Syndrome.

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-Hyoung 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)

Speakers :

- IS82-1. Lessons from Fushimi AF Registry
Masaharu Akao (Japan)
- IS82-2. Experience with DOACS in South-Asian Population
Ki Hong Lee (Korea)
- IS82-3. DOAC in Caucasian Population
Alan John Camm (United Kingdom)
- IS82-4. DOAC in Asian AF Patients
Yukihiro Koretsune (Japan)

Room 303**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
Yukiomi 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
Yasuo 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)
- GS10-5. Evaluation of Uninterrupted Dabigatran Etxilate in Comparison to Uninterrupted Warfarin in Periprocedural Period for Atrial Fibrillation Catheter Ablation – The Results of Japanese Subgroup of RE-CIRCUIT Trial –
Yukihiko 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) / **Suneet 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)

General Symposium 11

13:20-14:50

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 (Japan)
- GS11-5. RFA Typical AVNRT without Fluoroscopy
Ulhas M Pandurangi (India)

Invited Symposium 87 (Device-12)

14:50-16:20

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 Veltmann (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) / Zulkeflee 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 System facilitates 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 Yuniadi (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)
- O80-2. Report on Nationwide Survey of Catheter Ablation for Atrial Fibrillation in 2016: Japanese Catheter Ablation Registry for Atrial Fibrillation
Yuji Murakawa (Japan)
- O80-3. Tachycardia Substrate and RF Ablation in Children and Adolescents- Does Age Matter?
Debabrata Bera (India)
- O80-4. Bidirectional Ventricular Tachycardia Amendable to Radiofrequency Catheter Ablation in Young Pediatric Patient
Supaluck Kanjanathai (Thailand)

Oral Presentation 81 10:20-11:20

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 13:00-14:10

Chairpersons :

Yoshifusa Aizawa (Japan) / **Pasquale Santangeli** (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)
- FRS4-2. Atrial and Ventricular Activation Sequence after Ventricular Induction/Entrainment Pacing during Fast-Slow Atrioventricular Nodal Reentrant Tachycardia: New Insight into the Use of V-A-A-V
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 Electrograms in Idiopathic Outflow Tract Ventricular Tachycardia/Ectopy: are Local Abnormal Potentials New Crosshairs?
Yen-Nien Lin (Taiwan)

Oral Presentation 82 14:10-15:10

AF-15

Chairpersons :

Masayuki Igawa (Japan) / **Seung-Young Roh** (Korea) / **Boyoung Joung** (Korea)

Speakers :

- O82-1. Catheter Ablation of Persistent Atrial Fibrillation Enhanced by Firm-Guided Ablation- Correlation and Analysis of Rotor and Scar Localisation
Shibu Mathew (Germany)
- O82-2. Pulmonary Antrum Radial-Linear Ablation Effectively Eliminated Trigger Foci around Pulmonary Ostia In Paroxysmal Atrial Fibrillation
Xue Zhao (China)
- O82-3. Comparison of Temperatures of the Cryoballoon and Incidence of Early Pulmonary Vein Reconduction and Dormant Conduction
Ryuta Watanabe (Japan)
- O82-4. Utility and Safety of Internal Cardioversion during Catheter Ablation of Atrial Fibrillation: Pros and Cons of Upper Approach versus Femoral Approach
Masakazu Kaneko (Japan)
- O82-5. Novel Two Sheath Technique Using the 4Th Generation of Remote Magnetic Navigated Ablation for Paroxysmal Atrial Fibrillation
Kohei Yamashiro (Japan)

Oral Presentation 83 15:10-16:10

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)

Room 413

Oral Presentation 84 8:00-9:20

SCD-3

Chairpersons :

Kengo Kusano (Japan) / **Joseph Morton** (Australia) / **Myung Hwan Bae** (Korea)

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
Pralay 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) / **Junbeom 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
Hirofumi Tomita (Japan)
- O86-2. Catheter Ablation for Atrial Fibrillation Reduces Natriuretic Peptide in Patients with Heart Failure with Preserved Ejection Fraction
Taku Nishida (Japan)
- O86-3. Safety of Cryoballoon Ablation Compared with Radiofrequency Catheter Ablation for the Elderly Patients with Paroxysmal Atrial Fibrillation
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)
- IS88-2. Heart Light Endoscopic Ablation System: Future Development and Advancements
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)

GD6-2. Entrance of the Circuit
Hiroshige Yamabe (Japan)

Great Debate 7 15:35-16:20

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)

Room 416+417

Oral Presentation 87 8:00-9:20

Brady-5

Chairpersons :

Yasushi Miyauchi (Japan) / **Margaret Hood** (New Zealand) / **Dae-Hee Shin** (Korea)

Speakers :

- O87-1. Successful 'Salvage' of RV Lead in Cardiac Resynchronization Using Leadless Pacing
Sityee 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 Permanent 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

Tachy-3

Chairpersons :

Norishige Morita (Japan) / **He Huang** (China) / **Hsiang-Chiang Hsiao** (Taiwan)

Speakers :

- O88-1. Tpeak-Tend Interval as a Marker of Ventricular Arrhythmia Risk in Patients with Cardiac Resynchronization Therapy
Cong Xue (China)

O88-2. Initial Experience of Thoracic Magnetic Resonance Imaging (MRI) Scanning in Asian Patients Implanted the Ellipse MR Conditional ICD System - The Asia MRI ICD Study

Tarlochan SINGH Kler (India)

O88-3. Implant Lead Position Characteristics was Associated with High DFTS and Myocardial Injury in S-ICD Patients. Computer Simulation Study

Keijiro Nakamura (Japan)

O88-4. Serial Changes in Implantable Defibrillation Therapy over the Past 10 Years in Japan

Takeshi Ueyama (Japan)

O88-5. Double Trouble

Vivek Chaturvedi (India)

Oral Presentation 89 10:20-11:20

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 Hirano (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 90 14:20-15:20

Pharm-6

Chairpersons :

Mikiko Nakagawa (Japan) / **KK Talwar** (India) / **Jin Kun Jang** (Korea)

Speakers :

- O90-1. Anatomical Characteristics Predicting Procedural Difficulty in Individual Pulmonary Veins during 28-mm Second-Generation Cryoballoon Ablation
Takatsugu 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)

- 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)
- O91-3. Direct Slow Pathway Capture; A New Pacing Method for Identifying the Precise Locations of the Antegrade Slow Atrioventricular Nodal Pathway of Atrioventricular Nodal Reentrant Tachycardia
Tomomi Matsuura (Japan)
- O91-4. Comparison of Catheter Ablation At Para-Hisian Versus Non-Septal Accessory Pathway: Impact of Oblique Severity of Accessory Pathway on Reconnections
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)

Room 418**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)

- O92-4. Plotted Pulmonary Vein Antrum Partition Mapping: A Novel Maneuver to Detect and Eliminate Residual Conduction Gaps in an Ablation Line
Masaomi Kimura (Japan)
- O92-5. Left Atrial Appendage Flow Velocity and Left Atrial Appendage Frictional Volume Change in Patient with Left Atrial Thrombus.
Satoshi Hara (Japan)
- O92-6. Clinical And Electrophysiological Characteristics of Patients with Persistent Atrial Fibrillation Termination during Catheter Ablation.
Naoto Nishina (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 Quadrapolar Left Ventricular (LV) Lead in Improving Responder Rate Even in Grossly Dilated Left Ventricles

Abhinay Tibdewal (India)

O94-5. Acute Results of CRT-D Implant in Chronic Heart Failure Patients: (A Single Center Experience)

Angga Pramudita (Indonesia)

Featured Research Session 5

13:00-14:20

Chairpersons :

Dhanunjaya Lakkireddy (United States) / **Hirotsugu Atarashi** (Japan) / **Jonathan S. Steinberg** (United States)

Keynote Lecture :

FR55-KL How to Pick Up Patients at High Risk for Lethal Ventricular Arrhythmia

Jonathan S. Steinberg (United States)

Speakers :

FR55-1. 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)

FR55-2. Risk Stratification of Cardiogenic Stroke and the Monitoring of Direct Oral Anticoagulants Using Novel Dielectric Coagulometer

Tetsuo Sasano (Japan)

FR55-3. Identification of Clinical Characteristics and Genetic Variants that Predispose Patients with Vasospastic Angina to Ventricular Tachyarrhythmias

Tadashi Nakajima (Japan)

FR55-4. Novel RYR2 Mutations Causative for Long QT Syndromes

Megumi Fukuyama (Japan)

Oral Presentation 95

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 Atrioventricular 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)

O95-5. Analysis of Left Atrial Reentrant Tachycardia with High-Density Mapping System in Patients with Prior AF Ablation

Masateru Takigawa (France)

Oral Presentation 96

15:20-16:20

VT-8

Chairpersons :

Yukio Sekiguchi (Japan) / **Yash Lokhandwala** (India) / **Yoo Ri Kim** (Korea)

Speakers :

O96-1. Use of Contact Force Technology in Ablating Ventricular Premature Complexes Originating from Pulmonary Sinus Cusp

Xiaonan Dong (China)

O96-2. Pulmonary Artery Isolation for Refractory Ventricular Premature Contractions Originating from the Right Ventricular Outflow Tract

Satoshi Miyazawa (Japan)

O96-3. Evaluation of Half and Reduced Dose of NOAC Treatment in Patients with Atrial Fibrillation

Yoo Ri Kim (Korea)

O96-4. Change in the Quality of Life after Catheter Ablation on "Asymptomatic" Patients with Atrial Fibrillation

Yoshinori Katsumata (Japan)

O96-5. A Successful Case of Cryo Ablation for PVC Originated from around His Bundle Lesion

Akinori Matsumoto (Japan)

Monaco

Invited Symposium 89 (VT-10)

8:20-9:50

How to Decide Ablation Strategy Based on Each VT Substrate

Chairpersons :

Takumi Yamada (United States) / **Yui-Chi So** (Hong Kong) / **Sung Il Im** (Korea) / **Akihiko Nogami** (Japan)

Keynote Lecture :

IS89-KL How to Decide Ablation Strategy Based on Each VT Substrate

Akihiko Nogami (Japan)

Speakers :

IS89-1. VT Substrate Evaluation Using MRI in IHD

Takeshi Sasaki (Japan)

IS89-2. Use of MRI for Substrate Evaluation in Non-Ischemic Cardiomyopathy

Saman Nazarian (United States)

IS89-3. CMR Determination of Arrhythmogenic Substrate for Ventricular Tachyarrhythmia in Heart Failure

Jiunn-Lee Lin (Taiwan)

IS89-4. Epicardial Ablation of VT In Patients with Non-Ischemic Cardiomyopathy

Kejiang Cao (China)

Invited Symposium 90 (SVT-6)

9:50-11:20

Management of AT in the Vicinity of AV Node

Chairpersons :

Yoshito Iesaka (Japan) / **Kazuo Usuda** (Japan) / **Ashish Nabar** (India) / **Albert L. Waldo** (United States)

Keynote Lecture :

IS90-KL Management of AT in the Vicinity of AV Node
Yoshito Iesaka (Japan)

Speakers :

- IS90-1. Catheter Ablation of AT in the Vicinity of AV Node
Hiroshige Yamabe (Japan)
- IS90-2. Catheter Ablation of AT in the Vicinity of AV Node
Xunzhang Wang (United States)
- IS90-3. Differentiation from AVNRT
Yoshiaki Kaneko (Japan)
- IS90-4. Adenosine-Sensitive Focal Atrial Tachycardia Originating from the Non-Coronary Aortic Sinus
Kazuo Usuda (Japan)

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
Kunihiko 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 Arch 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)

RF26-3. Weathering a Storm: Adenosine Insensitive Right Ventricular Outflow Tract Ventricular Tachycardia (Ado-Insensitive RVOT VT) Storm in an Adolescent Female: A Case Report

Joseeduardo DL. Duya (Philippines)

RF26-4. Coronary Artery Spasm During Cryoballoon Pulmonary Vein Isolation

Yoshiyuki Matsumoto (Japan)

RF26-5. Right Ventricular Cardiomyopathy

Ramesh R Dargad (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

Yasuharu 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

Keisuke 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

Mikyong Song (Korea)

RF28-3. A Hybrid Biventricular Cardiac Resynchronization Therapy for a 6-Year-Old Patient with Heart Failure after Interventional 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)

Rapid Firing Session 29

15:20-16:10

AF-11

Chairpersons :

Miyako Igarashi (Japan) / **Jin-Kyu Park** (Korea)

Speakers :

RF29-1. (Withdrawal)

RF29-2. Repeated Ablation with Hot Balloon was Better Than Touch-Up with Conventional Catheter to Isolate the Reconnected Gap after Hot Balloon Ablation - A Case Report

Shumpei Kosugi (Japan)

RF29-3. Atrial Tachycardia Originating from Incompletely Isolated Box Lesion in a Patient Undergoing Totally Thoracoscopic Left Atrial Appendectomy and Surgical Ablation for Long-Standing Persistent Atrial Fibrillation

Shohei Kataoka (Japan)

RF29-4. Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation in a Patient with Cardiac Amyloidosis

Go Ishimaru (Japan)

RF29-5. Investigation on the Recurrence Pattern of Chronic Phase after Balloon Ablation

Hideki Kobayashi (Japan)

[Booth 2]

Rapid Firing Session 30

8:20-9:20

VT/VF/VPC5

Chairpersons :

Mahito Noro (Japan) / **Jae Seung Jung** (Korea)

Speakers :

RF30-1. Pilsicainide Induced Monomorphic Ventricular Tachycardia with Upper Axis in Patients with J-Wave in Their Inferior Leads

Hiroataka Sugijura (Japan)

RF30-2. Acute and Chronic Coronary Stenosis after Left Corary Cusp Catheter Ablation

Hiroshi Taniguchi (Japan)

RF30-3. Successful Use of Nifekalant for Amiodarone-Refractory Electrical Storm due to Purkinje-Related Polymorphic Ventricular Tachycardia in Acute Myocardial Infarction: A Case Report.

Shingen Owada (Japan)

RF30-4. A Case of Non-Convulsive Status Epilepticus with Ventricular Tachycardia Negative for Holter-Based Late Potentials, T Wave Alternans, and Heart Rate Turbulence

Kenichi Hashimoto (Japan)

RF30-5. A Comatose Survivor with Persistent Long QT Interval

Go Ishimaru (Japan)

RF30-6. The Efficacy of Cardiac MRI for the Diagnosis of the Base of Anterior Papillary Muscles Origin Ventricular Arrhythmias: A Case Report

Takashi Okajima (Japan)

Rapid Firing Session 31

9:20-10:20

AF-9

Chairpersons :

Hideko Toyama (Japan) / **Kazuo Kato** (Japan)

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

10:20-11:50

Device-4**Chairpersons :****Hisashi Yokoshiki (Japan) / Vanita Arora (India)****Speakers :**

- RF32-1. The Case of Inappropriate Subcutaneous Implantable Cardioverter Defibrillator Shocks in Chest Compressions During Cardiopulmonary Resuscitation.
Hitoshi Minamiguchi (Japan)
- RF32-2. A Case of Sepsis Due to CRT Lead Infection Post Endovascular Therapy for Superior Vena Cava Syndrome
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 Electroanatomic 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)

Rapid Firing Session 33

14:20-15:00

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)