

APHRS **11th**

11th Asia Pacific Heart Rhythm Society Scientific Session

in Conjunction with the

**14th Asia Pacific Atrial Fibrillation Symposium and the
4th International Forum of Ventricular Arrhythmia**

**17-20 October
TAIPEI, TAIWAN**

Advanced Daily Program

Updated on October 18, 2018



APHRS 2018 Daily Program

Wednesday, October 17, 2018

Education Course 01: Expertise and Innovation Workshop I (Sponsor: Biosense Webster)

Date: Oct-17 | Time: 08:10-09:40

Room: 101C, 1F, TICC

Moderator: **Tsu-Juey Wu** (Taiwan)

WED-101C-1-1 **Opening Remarks**

Tsu-Juey Wu (Taiwan)

WED-101C-1-2 **Intracardiac Echocardiography Clinical Application 1 - AF**

Koichi Inoue (Japan)

WED-101C-1-3 **Intracardiac Echocardiography Clinical Application 2 - VT**

Qiang Liu (China)

PSVT 01: Revisiting the Maneuver for Differential Diagnosis of PSVT

Date: Oct-17 | Time: 08:30-10:10

Room: 101D, 1F, TICC

Moderators: **Peter Kistler** (Australia), **Rong Bai** (China), **Tung-Chen Yeh** (Taiwan)

WED-101D-1-1 **Differential Diagnosis of PSVT with Ventricle to Atrium Block**

David Heaven (New Zealand)

WED-101D-1-2 **Diagnostic Maneuver for Differentiating Wide QRS Tachycardia**

Steve WK Lai (Hong Kong)

WED-101D-1-3 **Para-Hisian Pacing Maneuvers for PSVT Differentiation**

Kartikeya Bhargava (India)

WED-101D-1-4 **Total Pacing Prematurity (TPP): A New Index for the Differential Diagnosis of PSVT**

Mitsunori Maruyama (Japan)

WED-101D-1-5 **Differential Diagnosis of PSVT Between AV Nodal Reentry Versus Intra-Atrial Reentry Near the AV Node**

Fumio Suzuki (Japan)

Education Course 02: AF Symposium: Session I – Seek & Find/ AF Diagnostics & Stroke (Sponsor: Medtronic)

Date: Oct-17 | Time: 08:30-10:00

Room: VIP, 4F, TICC

Moderator: **Shih-Ann Chen** (Taiwan)

WED-VIP-1-1 **Opening Remarks**

Eric Prystowsky (United States)

WED-VIP-1-2 **Lifestyle Changes in AF Management: Alternate Path to AF Treatment**

Prash Sanders (Australia)

WED-VIP-1-3 **AF Guidelines Update**

Hugh Calkins (United States)

WED-VIP-1-4 **AF Diagnosis in Stroke and High-Risk AF Patients**

Eric Prystowsky (United States)

WED-VIP-1-5 **Stroke Reduction in Asian Population**

Shih-Ann Chen (Taiwan)

Education Course 03: Expertise and Innovation Workshop I (Sponsor: Biosense Webster)

Date: Oct-17 | Time: 10:00-11:40

Room: 101C, 1F, TICC

Moderator: **Tsu-Juey Wu** (Taiwan)

WED-101C-2-1 **Introduction of KJ Hands-On / and Introduction of Physician**

Xi Zhu (China)

WED-101C-2-2 **How to See Intracardiac Echocardiography view and How to Manuever the Catheter in KJ**

Fa-Po Chung (Taiwan), **Qiang Liu** (China)

Hands-on: How to Apply ULS Technology in 3D Carto3 System

Education Course 04: EP Session: Advisor HD Grid Hands-on Workshop (Sponsor: Abbott)

Date: Oct-17 | Time: 10:00-12:30

Room: South Lounge, 3F, TICC

WED-SL-1-1 **High Density Mapping with Advisor HD Grid Technology**

Chi-Keong Ching (Singapore)

WED-SL-1-2 **Rotation #1 & Rotation #2**

Station 1: Experience Advisor HD Grid with Virtual Reality Simulation (Mentice x 2)

Station 2: Advisor HD Grid Catheters for High Density Three Dimensional Mapping (DWS x 4)

Chin Pang Chan (Hong Kong), **Kelvin Wong** (Singapore), **Eric Tien Siang Lim** (Singapore)

Panel Discussion

Education Course 05: AF Symposium: Session II – Care & Treat/ AF Management (Sponsor: Medtronic)

Date: Oct-17 | Time: 10:20-12:10

Room: VIP, 4F, TICC

Moderator: **Eric Prystowsky** (United States)

WED-VIP-2-1 **Patients with AF and HF: Ablation Is the First Line Treatment**

Douglas L. Packer (United States)

WED-VIP-2-2 **AF Management with Implantable Devices**

Niraj Varma (United States)

WED-VIP-2-3 **Power of Cryoablation: Steps to Success**

Wilber Su (United States)

WED-VIP-2-4 **AF Device Management: A Role for Catheter-Based Pacing?**

Kyoko Soejima (Japan)

WED-VIP-2-5 **AF Case Studies**

Eric Prystowsky (United States)

WED-VIP-2-6 **Closing Remarks**

Eric Prystowsky (United States)

PSVT 02: How I Overcame a Challenging Case of AVNRT

Date: Oct-17 | Time: 10:30-12:10

Room: 101D, 1F, TICC

Moderators: **Taku Nishida** (Japan), **Wanwarang Wongcharoen** (Thailand), **Sheng-Hsiung Chang** (Taiwan)

WED-101D-2-1 **Ablation of AVNRT-Set Up, Pitfalls, how to Minimize the Risk of AV Block?**

Neil Ross (Australia)

WED-101D-2-2 **How to Ablate Atypical AVNRT Utilizing Variant of Slow Pathways**

Yoshiaki Kaneko (Japan)

WED-101D-2-3 **Zero Fluoroscopy in Ablation of AVNRT – Indication, Technique, and Real World Data**

Saravanan Krishinan (Malaysia)

WED-101D-2-4 **Unusual Location of Slow Pathway: How to Find and Ablate It**

Zahid Aslam Awan (Pakistan)

WED-101D-2-5 **Electrophysiological Characteristics of Unusual Forms of AVNRT**
Kiyoshi Otomo (Japan)

Oral Presentation 01: Clinical Science, Part I

Date: Oct-17 | Time: 10:30-12:10

Room: 202, 2F, TICC

- Moderators: Yasuhiro Yokoyama (Japan), Mungun-Ulzii Khurelbaatar (Mongolia), Muzakkir Amir (Indonesia)
- WED-OP1-01 **Amiodarone Pre-Loading Increases Cardioversion Success with Intravenous Ibutilide in Persistent Atrial Fibrillation**
Vikas Kataria, Amitabh Yaduvanshi, Gautam Singal, Mohan Nair, Holy Family Hospital (India)
- WED-OP1-02 **Comparison of the Lateral Left Ventricular Electrograms during Selective and Non-Selective His-Bundle Pacing**
Daisuke Yoshimoto, Yuichiro Sakamoto, Ryo Yamaguchi, Sachiko Bando, Takahiko Suzuki, Toyohashi Heart Center (Japan)
- WED-OP1-03 **Survival Analysis on Implantable Cardioverter Defibrillator for Primary Prevention Indications in Chronic Kidney Disease Patients**
Ying Hui Kong, Lisa Teo, Kelvin Wong, Colin Yeo, Vern Hsen Tan, Changi General Hospital (Singapore)
- WED-OP1-04 **The Prognostic Value of Beta₂ Microglobulin in Patients Underwent Pulmonary Vein Isolation**
Yu Kumagai, Yoichiro Otaki, Takanori Arimoto, Daisuke Kutsuzawa, Daisuke Ishigaki, Naoaki Hashimoto, Tetsu Watanabe, Masafumi Watanabe, Yamagata University (Japan)
- WED-OP1-05 **Electrocardiogram Characteristics of the P-Wave Associate with Successful Pulmonary Vein Isolation in Patients with Paroxysmal Atrial Fibrillation: Significance of Changes in P-Wave Duration and Notched P-Wave**
Satoshi Yanagisawa, Yasuya Inden, Aya Fujii, Yusuke Sakamoto, Keita Mamiya, Hiroya Okamoto, Toshiro Tomomatsu, Rei Shibata, Toyoaki Murohara, Nagoya University Graduate School of Medicine (Japan)
- WED-OP1-06 **Optimal Configuration for Bipolar Catheter Ablation in Ventricular Myocardium**
Fengxiang Zhang, Xiaolin Liu, Baohan Fan, Qiushi Chen, Wenwu Zhu, Hongyan Zhao, The First Affiliated Hospital of Nanjing Medical University (China) Pipin Kojodjojo, National University Heart Centre (Singapore)
- WED-OP1-07 **Trajectories of Cardiovascular Risk Factors and Incidence of Sudden Cardiac Death over 10-Year Follow-up**
Ting-Tse Lin, Lian-Yu Lin, National Taiwan University Hospital (Taiwan)
- WED-OP1-08 **Long-term Follow-up after Bilateral Cardiac Sympathectomy Denervation (CSD) for Refractory VT in Structural Heart Disease - A Single Center Retrospective Observational Study**
Binay Kumar, Kunal Sinkar, Sanjeev Vichare, Meera Venkat, Suresh Joshi, Reshma Motwani, Yash Lokhandwala, Holy Family Hospital (India)

Oral Presentation 02: Basic and Translational Medicine

Date: Oct-17 | Time: 10:30-12:10

Room: 203, 2F, TICC

- Moderators: Baigalmaa Lkhagva (Mongolia), Yusuke Ebana (Japan), Yu-Hsun Kao (Taiwan)
- WED-OP2-01 **Cardioprotective Effects of Testosterone Suggested by Ultra High-Resolution Electrophysiological Measurements of iPSC-Derived Cardiomyocyte Activity**
Firat Duru, University Heart Center (Switzerland), Michele Fiscella, Urs Frey, Kasper Renggli, Andreas Hierlemann, Alicia J. Kaestli, Swiss Federal Institute of Technology (Switzerland)
- WED-OP2-02 **A Brain—Stellate Ganglion—Atrium Network regulates Atrial Fibrillation Vulnerability through Macrophages Activation in a Canine with Acute Middle Cerebral Artery Occlusion Model**
Qingyan Zhao, Renmin Hospital of Wuhan University (China)
- WED-OP2-03 **Complexity Dynamics of Skin Sympathetic Nerve Activity is a Prognostic Parameter for Patients in**

Critical Care Units

Jien-Jiun Chen, Lian-yu Lin, National Taiwan University Hospital (Taiwan), Tai-Min Chiu, Men-Tzung Lo, Graduate Institute of Biomedical Sciences and Engineering (Taiwan), Hui-wen Yang, Graduate Institute of Communication Engineering (Taiwan)

WED-OP2-04 **Effects of Autonomic Nerve Activity on Atrioventricular Node Conduction -A Simulation Study-**

Shin Inada, Kazuo Nakazawa, Morinomiya University of Medical Sciences (Japan), Nitaro Shibata, Shinjuku Mitsui Building Clinic (Japan), Takashi Ashihara, Shiga University of Medical Science (Japan), Takanori Ikeda, Toho University Faculty of Medicine (Japan)

WED-OP2-05 **Histamine 1 Receptor Signaling Exacerbates Pressure Overload-Mediated Acute Atrial Inflammation Leading to Atrial Fibrosis and Fibrillation**

Akira Fukui, Takayuki Masaki, Shotaro Saito, Hidekazu Kondo, Yasushi Teshima, Naohiko Takahashi, Oita University (Japan)

WED-OP2-06 **Do Drivers of Persistent Atrial Fibrillation that Terminated on Ablation have Regular Rotational Cycles and Size as Shown by Artificial Intelligence?**

Mahmood Alhusseini, Firas Abuzaid, Mark Swerdlow, Paul Clopton, Gabriela Meckler, Miguel Rodrigo, Junaid Zaman, Natasha Maniar, Albert Rogers, Paul Wang, Peter Bailis, Matei Zaharia, Sanjiv Narayan, Stanford University (United States), Wouter Rappel, University of California San Diego (United States)

WED-OP2-07 **Chronic Stimulation of the Sigma-1 Receptor Ameliorates Autonomic Nerve Dysfunction and Atrial Fibrillation Susceptibility in Rat Models of Depression**

Xin Liu, Bo Yang, Wuhan University (China)

WED-OP2-08 **Metformin Regulates Lipid Metabolism in a Canine Model of Atrial Fibrillation through AMPK/PPAR- α /VLCAD Pathway**

Fan Bai, Cardiology (China), Qiming Liu, Cardiology, Changsha (China)

Special Session for Asians 01: Fundamental and Advanced Technique Part I: Mapping and Ablation of Complex AT

Date: Oct-17 | Time: 10:30-12:10

Room: North Lounge, 3F, TICC

Moderators: **Rubiana Sukardi** (Indonesia), **Kazuyoshi Suenari** (Japan), **Chang Hee Kwon** (South Korea), **Tung-Chen Yeh** (Taiwan)

WED-NL-1-1 **Ablation of AT using 3D Mapping System - Tips and Tricks**

Koji Fukuzawa (Japan)

WED-NL-1-2 **Entrainment Mapping of AT**

Seongwook Han (South Korea)

WED-NL-1-3 **Ablation of AT Post AF Ablation using with or without High Density Mapping**

Atsushi Iwasa (Japan)

WED-NL-1-4 **AT from Aortic Sinus of Valsalva**

Shomu Bohora (India)

WED-NL-1-5 **How to Avoid Complication in Ablation of AT**

Dujdao Sahasthas (Thailand)

Fellowship Program 01: APHRS Fellowship Program Revisit I (Sponsor: Abbott)

Date: Oct-17 | Time: 12:20-13:20

Room: Banquet Hall, 3F, TICC

Moderators: **Kok Wei Koh** (Malaysia), **Muhammad Yamin** (Indonesia), **Yi-Jen Chen** (Taiwan)

WED-BH-1-1 **Intracoronary Ethanol Ablation of Ventricular Premature Contractions in Patients with Preserved Left Ventricular Function**

Alex McLellan (Australia)

WED-BH-1-2 **P-Wave Morphology and Electrical Activity of the Isolated LAA on 12-Lead ECG in Patients with**

Recurrent Atrial Tachyarrhythmias after PV Isolation

Tina Lin (Australia)

WED-BH-1-3

AF in Adult Congenital Heart Disease

Ji Eun Ban (South Korea)

Fellowship Program 02: APHRS Fellowship Program Revisit II (Sponsor: Medtronic)

Date: Oct-17 | Time: 12:20-13:20

Room: VIP, 4F, TICC

Moderators: Yung-Kuo Lin (Taiwan), Chi-Keong Ching (Singapore), Bobby John (Australia)

WED-VIP-3-1 **EKG Localization of Idiopathic VT**

Yoo Ri Kim (South Korea)

WED-VIP-3-2 **Catecholamine Induced Prolongation of Ca²⁺ Release Duration in a Mouse Model of Human Cardiac Calmodulopathy**

Wen-Chin Tsai (Taiwan)

WED-VIP-3-3 **APHRS Medtronic Fellowship a Wish Come True**

Atul Prabhu (India)

Education Course 06: Expertise and Innovation Workshop II (Sponsor: Biosense Webster)

Date: Oct-17 | Time: 13:00-14:20

Room: 101C, 1F, TICC

Moderator: Mien-Cheng Chen (Taiwan)

WED-101C-3-1 **AF Procedure Workflow 1 - SmartAF**

Guodong Niu (China)

WED-101C-3-2 **AF Procedure Workflow 2 - 10/90**

Masaomi Kimura (Japan)

VT/VF 01: Epicardial Approaches: Tips and Tricks

Date: Oct-17 | Time: 13:30-15:10

Room: 101B, 1F, TICC

Moderators: Koji Kumagai (Japan), David Heaven (New Zealand), Huey-Ming Lo (Taiwan)

WED-101B-1-1 **Epicardial Catheter Ablation of VT**

Andre d'Avila (Brazil)

WED-101B-1-2 **Mapping the Coronary Venous System for Difficult Intramural PVC/VT Cases**

Edward Gerstenfeld (United States)

WED-101B-1-3 **Epicardial Puncture and Mapping: Tips and Tricks**

Shiro Nakahara (Japan)

WED-101B-1-4 **Percutaneous Epicardial Mapping and Ablation of Ventricular Tachycardia: Lessons Learned over 20 Years**

Cory M. Tschabrunn (United States)

WED-101B-1-5 **Epicardial VT in Ischemic Cardiomyopathy**

Tatsuya Hayashi (Japan)

PSVT 03: Ablation of Difficult AVNRT

Date: Oct-17 | Time: 13:30-15:10

Room: 101D, 1F, TICC

Moderators: Beny Hartono (Indonesia), Satoshi Higa (Japan), Shuo-Ju Chiang (Taiwan)

WED-101D-3-1 **When and How to Ablate the Slow Pathway from the Left Side**

Sung-Won Jang (South Korea)

WED-101D-3-2 **How to Ablate Junctional Tachycardia after Elimination of Slow Pathway?**

WED-101D-3-3	Byung Chun Jung (South Korea) AVNRT Ablation in Patients with the Persistent Left Superior Vena Cava
WED-101D-3-4	Jun Kim (South Korea) AVNRT Ablation in Patients with Congenital Heart Disease
WED-101D-3-5	Zahoor Ahmed Khan (Pakistan) Successful Radiofrequency Catheter Ablation of PSVTs Difficulty to Diagnosis
WED-101D-3-6	Seiichiro Sakurai (Japan) SVT with Ventricular Arrhythmia Block
	Nitish Badhwar (United States)

VT/VF 02: Idiopathic Ventricular Arrhythmias and Cardiomyopathy: Pathogenesis and Management Strategies

Date: Oct-17 | Time: 13:30-15:10

Room: 102, 1F, TICC

Moderators:	Frank Bogun (United States), Stephen Joseph (Australia), Balbir Singh (India)
WED-102-1-1	Anatomy of Ventricles: Fundamental Concepts of Idiopathic Ventricular Arrhythmias
	Siew Yen Ho (United Kingdom)
WED-102-1-2	Multiple PVC in Normal Heart: Drugs or Ablation/ What to Do
	I. Eli Ovsyshcher (Israel)
WED-102-1-3	Ablation of Idiopathic VT from Crux
	Mitsuharu Kawamura (Japan)
WED-102-1-4	Idiopathic VT from the Outflow Tract
	Chin-Yu Lin (Taiwan)
WED-102-1-5	PVC-Induced Cardiomyopathy: Clinical Features and Predictors
	Frank Bogun (United States)

HF 01: Biomarkers: Is It Reliable?

Date: Oct-17 | Time: 13:30-15:10

Room: 103, 1F, TICC

Moderators:	M. Khalilullah (India), Taku Nishida (Japan), Masaki Ohsawa (Japan)
WED-103-1-1	Biologic Markers of SCD Risk in HF
	Choong Hwan Kwak (South Korea)
WED-103-1-2	Prediction of HF Outcome by MIBG Imaging
	Robert Lemery (Canada)
WED-103-1-3	Biomarkers in Chronic HF
	Kamal K. Sethi (India)
WED-103-1-4	How to use Biomarkers in Acute HF?
	Hao-Min Cheng (Taiwan)

Special Session for Asians 02: Fundamental and Advanced Technique Part II: VT Catheter Ablation

Date: Oct-17 | Time: 13:30-15:10

Room: 201A, 2F, TICC

Moderators:	Natalia Trayanova (United States), Minh Hoang Quang (Vietnam), Akiko Ueda (Japan), Pramesh Kovoov (Australia)
WED-201A-1-1	LV Summit Outflow Tract Ventricular Arrhythmia
	Tatsuya Hayashi (Japan)
WED-201A-1-2	Ventricular Arrhythmias Originating from the Coronary Venous System
	Majid Haghjoo (Iran)
WED-201A-1-3	Use of Contact Force Technology in Ablating Ventricular Premature Complexes Originating from the

Pulmonary Sinus Cusp**Min Tang** (China)WED-201A-1-4 **Idiopathic Ventricular Arrhythmias Originating from the Parietal Band****Takumi Yamada** (United States)WED-201A-1-5 **VF Ablation: Patient Selection and Mapping Technique****Yuki Komatsu** (Japan)**AF 01: Anti-Arrhythmic Drugs – Past, Present and Future**

Date: Oct-17 | Time: 13:30-15:10

Room: 201BC, 2F, TICC

Moderators: **Hiroshi Inoue** (Japan), **Satoshi Yanagisawa** (Japan), **Li-Jen Lin** (Taiwan)WED-201BC-1-1 **Rise and Fall of Antiarrhythmic Drugs****John Camm** (United Kingdom)WED-201BC-1-2 **Ivabradine in Rate Control of AF****Wanwarang Wongcharoen** (Thailand)WED-201BC-1-3 **Dronedaron and NOACs - Is it a Reasonable and Safe Combination?****Yu-Cheng Hsieh** (Taiwan)WED-201BC-1-4 **What are the Potential Anti-Arrhythmic Drugs for AF in the Future?****Samuel Levy** (France)**AF 02: Complex Atrial Arrhythmia Management: A Practical Perspective**

Date: Oct-17 | Time: 13:30-15:10

Room: 201DE, 2F, TICC

Moderators: **Mauricio Arruda** (United States), **Gregory K. Feld** (United States), **Yung-Kuo Lin** (Taiwan)WED-201DE-1-1 **Location of AT from ECG****Andrew Kotlar** (Australia)WED-201DE-1-2 **Ultra High Density Mapping for AT****Jonathan Kalman** (Australia)WED-201DE-1-3 **Revisit AFL in RA and LA, Naïve AT or Post AF Ablation****Gregory K. Feld** (United States)WED-201DE-1-4 **Optimize Entrainment of AT****Ken Okumura** (Japan)WED-201DE-1-5 **How to Achieve Mitral Block of LA****Seiichiro Matsuo** (Japan)WED-201DE-1-6 **Empirical Linear Ablation or Only After Inducible AFL?****Tae-Hoon Kim** (South Korea)**Education Course 07: Rhythmia 3D Mapping (Sponsor: Boston)**

Date: Oct-17 | Time: 13:30-15:10

Room: 201F, 2F, TICC

Moderator: **Tsu-Juey Wu** (Taiwan)WED-201F-1-1 **Tips and Tricks in Mapping of Challenging VT Case****Pasquale Santangeli** (United States)WED-201F-1-2 **High Density Mapping in AF Ablation****Li-Wei Lo** (Taiwan)WED-201F-1-3 **Mapping and Ablation Strategies in Complex AFL****Hiroshi Nakagawa** (United States)WED-201F-1-4 **High Density Mapping for the Structural Heart Disease VT****Roderick Tung** (United States)

Device 01: How to Avoid and Treat Complication after Device Implantation

Date: Oct-17 | Time: 13:30-15:10

Room: 202, 2F, TICC

- Moderators: **Timothy G.T. Yeh** (United States), **Michael Wong** (Australia), **Akihiko Shimizu** (Japan)
- WED-202-2-1 **Prevention and Management of CIED Infections – State of the Art**
Charles Love (United States)
- WED-202-2-2 **Bring Close Loop Snare Lead Extraction Less Risk of RV Inversion**
Narawudt Prasertwitayakij (Thailand)
- WED-202-2-3 **Tricuspid Valve Dysfunction after Permanent Pacemaker Implantation: Philippine Heart Center Experience**
Erdie Fadreguilan (Philippines)
- WED-202-2-4 **CIED Infection**
Arisara Suwanagool (Thailand)
- WED-202-2-5 **MR Conditional Devices: How to Avoid Serious Complications**
Vikas Kataria (India)

Oral Presentation 03: Clinical Science, Part II

Date: Oct-17 | Time: 13:30-15:10

Room: 203, 2F, TICC

- Moderators: **Seiji Takatsuki** (Japan), **Martin Stiles** (New Zealand), **Bing Yang** (China)
- WED-OP3-01 **Characteristics of Typical Left Bundle Branch Block Correction by His Bundle Pacing and Long Term Clinical Outcomes in Heart Failure Patients**
Weijian Huang, Lan Su, Shengjie Wu, Lei Xu, Fangyi Xiao, The First Affiliated Hospital of Wenzhou Medical University (China), Xiaohong Zhou, Medtronic (China), Guangyun Mao, Wenzhou Medical University (China), Kenneth A Ellenbogen, Virginia Commonwealth University Health System (China)
- WED-OP3-02 **A Multicentre International Study Examining the Safety & Efficacy of Thewise CRTwireless LV Endocardial Pacing System**
Benjamin Sieniewicz, Christopher Aldo Rinaldi, King's College London (United Kingdom), Timothy R Betts, Oxford University Hospitals (United Kingdom), Simon James, Andrew Turley, James Cook University Hospital (United Kingdom), Christian Butter, Martin Seifert, Immanuel Klinikum Bernau Herzzentrum Brandenburg (Germany), Lucas V. A. Boersma, St Antonius Ziekenhuis (Netherlands), Sam Riahi, Aalborg University Hospital (Denmark), Petr Neuzil, Na Homolce Hospital (Czech Republic), Mauro Biffi, Igor Diemberger, Policlinico S'Orsola (Italy), Martin Arnold, University Hospital Erlangen (Germany), David T Keane, St. Vincent's University Hospital (Ireland), Pascal Defaye, CHU Grenoble Alpes (France), Jean-Claude Deharo, Hopital La Timone (France)
- WED-OP3-03 **Accelerometer-Based Atrioventricular Synchronous Pacing with a Ventricular Leadless Pacemaker: A Single Center Experience**
Surinder Kaur Khelae, Azlan Hussin, Institut Jantung Negara (Malaysia), Clemens Steiwender, Kepler University Hospital (Austria), Philippe Ritter, Hopital Du Haut Leveque (France), Razali Omar, Cardiac Vascular Sentral Kuala Lumpur (Malaysia), Kurt Stromberg, Todd Sheldon, Vincent Splett, Medtronic (United States), Sheikh Abdul Aziz, Medtronic (Malaysia), Larry Chinitz, NYU Langone Medical Center (United States)
- WED-OP3-04 **Development of Innovative Remote Monitoring Data Self-Extract System for Cardiovascular Implantable Electronic Device -Basic Concepts and Practical Use-**
Keisuke Irokawa, Daisuke Yoshimoto, Kei Noguchi, Seiichirou Hisada, Ryo Yamaguchi, Sachiko Bando, Yuichiro Sakamoto, Takahiko Suzuki, Toyohashi Heart Center (Japan)
- WED-OP3-05 **The Burden and Risk Factors for Infection of Cardiac Implantable Electronic Device: A Nationwide Cohort Study**
Pil-Sung Yang, Jung-Hoon Sung, CHA University (South Korea), Jaehan Jeong, Hyung-Deuk Park,

Sang-Soo Lee, Medtronics Korea (South Korea), Hee Tae Yu, Tae-Hoon Kim, Boyoung Joung, Yonsei University College of Medicine (South Korea)

WED-OP3-06 **Pacing Feasibility using a Novel ICD Lead: Results from the Acute Extravascular Defibrillation, Pacing, and Electrogram (ASD2) Study**

Ian Crozier, Christchurch Hospital (New Zealand), Lucas Boersma, St. Antonius Hospital (Netherlands), Béla Merkely, Semmelweis University (Hungary), Petr Neuzil, Na Homolce Hospital (Czech Republic), Devender Akula, Lourdes Cardiology Center (United States), Liesbeth Timmers, Ghent University Hospital (Belgium), Zbigniew Kalarus, Silesian Center for Heart Disease (Poland), Lou Sherfese, Paul DeGroot, Amy Thompson, Daniel Lexcen, Medtronic (United States), Bradley Knight, Northwestern University (United States)

WED-OP3-07 **Perceptibility of Far-Field Pacing from a Substernal Extravascular ICD Lead**

Linnea Lentz, Amy Thompson, Jeff Wilkinson, Medtronic (United States)

WED-OP3-08 **CRT Outcome Depending on LV Pacing in Areas with Low or High Myocardial Sensing Amplitude**

Hitoshi Minamiguchi, Yasushi Sakata, Hiroya Mizuno, Osaka University Graduate School of Medicine (Japan), Kenji Ando, Kokura Memorial Hospital (Japan), Koichi Inoue, Sakarabashi Watanabe Hospital (Japan), Torsten Kayser, Boston Scientific (Belgium), Haran Burri, Cardiology Service University Hospital of Geneva (Japan)

Special Session for Asians 03: Fundamental and Advanced Technique Part III: AF Catheter Ablation

Date: Oct-17 | Time: 13:30-15:10

Room: North Lounge, 3F, TICC

Moderators: **Rajeev Kumar Pathak** (Australia), **Koichi Inoue** (Japan), **Doosang Kim** (South Korea), **Thao Khiem Nguyen** (Vietnam)

WED-NL-2-1 **The Ablation Strategy for Long-standing Persistent AF**

Junichi Nitta (Japan)

WED-NL-2-2 **Cryoballoon Ablation: Strength and Weakness**

Andrei Catanchin (Australia)

WED-NL-2-3 **Box Isolation using Cryoballoon for Persistent AF**

Masato Murakami (Japan)

WED-NL-2-4 **How to Effectively Reduce the Fluoroscopy Dose of Cryoballoon Ablation of PAF**

Guodong Niu (China)

WED-NL-2-5 **Complication after PV Isolation using Cryoballoon**

Yasuhiro Yoshiga (Japan)

Education Course 08: CRM Session: CRT Optimization Hands-on Workshop (Sponsor: Abbott)

Date: Oct-17 | Time: 13:30-16:00

Room: South Lounge, 3F, TICC

WED-SL-2-1 **Enhancing CRT from Implantation to Electrical Optimization**

Katherine Fan (Hong Kong)

WED-SL-2-2 **Rotation #1 & Rotation #2**

Station 1: Lead Placement to Optimize Response (Mentice x 2)

Station 2: New Technologies to Ensure CRT Optimization (Merlin x 4)

Aparna Jaswal (India), **Kah Leng Ho** (Singapore), **Toshiko Nakai** (Japan), **Kartikeya Bhargava** (India)

Case Studies: Techniques in Obtaining Narrow QRS Using Device Programming

Education Course 09: Learn from the Experts: ECG (Sponsor: Medtronic)

Date: Oct-17 | Time: 13:30-15:10

Room: VIP, 4F, TICC

Moderator: **George Klein** (Canada)

WED-VIP-4-1	Welcome & Introductions George Klein (Canada)
WED-VIP-4-2	Case 1&2 Chi-Keong Ching (Singapore)
WED-VIP-4-3	Case 3&4 Raymond Sy (Australia)
WED-VIP-4-4	Course Evaluation & Closing George Klein (Canada)

Education Course 10: Expertise and Innovation Workshop II (Sponsor: Biosense Webster)

Date: Oct-17 | Time: 14:40-16:00

Room: 101C, 1F, TICC

Moderator:	Eric Tien Siang Lim (Singapore)
WED-101C-4-1	VT Procedure Workflow 1 - ARVC VT Ablation Yenn-Jiang Lin (Taiwan)
WED-101C-4-2	VT Procedure Workflow 2 - Ischemic VT/Epicardia Approach Kyoko Soejima (Japan)

VT/VF 03: Arrhythmogenic Cardiomyopathy: What Is New?

Date: Oct-17 | Time: 15:30-17:10

Room: 101B, 1F, TICC

Moderators:	Natalia Trayanova (United States), Gi-Byoung Nam (South Korea), Tachapong Ngarmukos (Thailand)
WED-101B-2-1	Catheter Ablation for VT Related to Cardiac Sarcoidosis Yukio Sekiguchi (Japan)
WED-101B-2-2	Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT) Ablation Takashi Kaneshiro (Japan)
WED-101B-2-3	Electrophysiological Characteristics and Long-term Outcomes of Left Ventricular Papillary Muscle Arrhythmias Rajeev Kumar Pathak (Australia)
WED-101B-2-4	Cardiomyopathy and VT in Sarcoidosis Eun-Sun Jin (South Korea)
WED-101B-2-5	PVC-Incuded Cardiomyopathy: The Role of Post-Extrasystolic Potentiation Venkat N. Tholakanahalli (United States)

PSVT 04: Complex Case and Complication in Ablation of WPW

Date: Oct-17 | Time: 15:30-17:10

Room: 101D, 1F, TICC

Moderators:	Kentaro Hayashi (Japan), Ahmed Talib (Japan), Chin-Feng Tsai (Taiwan)
WED-101D-4-1	Accessory Pathway Ablation in Rheumatic Valvular Heart Disease Ashish Nabar (India)
WED-101D-4-2	How to Ablate Accessory Pathway in Para-Hisian Area Zulkeflee Muhammad (Malaysia)
WED-101D-4-3	Ablation of Multiple Accessory Pathways Pham Tran Linh (Vietnam)
WED-101D-4-4	Ablation of Challenging WPW Using 3D Mapping - When, How and Result Sunny Po (United States)
WED-101D-4-5	How to Avoid Complication in Ablation of WPW Vien Hoang Long (Vietnam)
WED-101D-4-6	Electrocardiographic and Electrophysiologic Characteristics of Anteroseptal, Midseptal, and

VT/VF 04: Role of Purkinje-Fascicular and Papillary Muscle

Date: Oct-17 | Time: 15:30-17:10

Room: 102, 1F, TICC

- Moderators: Xunzhang Wang (United States), Dicky Armein Hanafy (Indonesia), Jeong-Wook Seo (South Korea)
- WED-102-2-1 **Mechanism and Ablation for Fascicular Tachycardia**
Xunzhang Wang (United States)
- WED-102-2-2 **Ablation of Papillary Muscle Ventricular Arrhythmias: Role of Mitral Valve Prolapse**
Haris Haqqani (Australia)
- WED-102-2-3 **Left Fascicular VT: New Perspectives**
Minglong Chen (China)
- WED-102-2-4 **Electrocardiographic and Electrophysiologic Differences Between Papillary Muscle and Fascicular VT**
Kolandaismy Chandrasekaran (India)
- WED-102-2-5 **Bundle Branch Reentrant Ventricular Tachycardia and Interfascicular VT**
Dicky Armein Hanafy (Indonesia)

HF 02: Telemetry Monitoring: What is Around the Corner?

Date: Oct-17 | Time: 15:30-17:10

Room: 103, 1F, TICC

- Moderators: Susan L Song (United States), Charn Sriratanasathavorn (Thailand), Hiroya Mizuno (Japan), Kazuyoshi Suenari (Japan)
- WED-103-2-1 **Remote Monitoring - The Gold Standard for Device Follow-Up in USA**
David Hayes (United States)
- WED-103-2-2 **Remote Monitoring of CIED in EU/Italy**
Maurizio Giuseppe Angelo Lunati (Italy)
- WED-103-2-3 **HF Management using Remote Monitoring of CIED in Japan**
Toshiyuki Ishikawa (Japan)
- WED-103-2-4 **Remote Monitor for HF Care in China**
Shu Zhang (China)
- WED-103-2-5 **Experience of Remote Monitor for HF Care in Taiwan**
Yen-Wen Wu (Taiwan)

Special Session for Asians 04: Fundamental and Advanced Technique Part IV: VT Catheter Ablation

Date: Oct-17 | Time: 15:30-17:10

Room: 201A, 2F, TICC

- Moderators: Nicholas Jackson (Australia), Bing Yang (China), Yosuke Ishii (Japan)
- WED-201A-2-1 **Unconventional Strategy for Difficult Substrate Ventricular Arrhythmias Ablation**
Bing Yang (China)
- WED-201A-2-2 **Image Information for VT Pathogenesis and Ablation**
Jo-Nan Liao (Taiwan)
- WED-201A-2-3 **Management of Electrical Storm for Patients with the VT of Structural Heart Disease**
Guoqiang Zhong (China)
- WED-201A-2-4 **Ablation of Brugada Syndrome**
Yasuya Inden (Japan)
- WED-201A-2-5 **Idiopathic VT Ablation: From A to Z**
Aamir Hameed Khan (Pakistan)

AF 03: AF Ablation: Long-term Outcome, Quality of Life, and Adherence to Guideline

Date: Oct-17 | Time: 15:30-17:10

Room: 201BC, 2F, TICC

Moderators: **Andrea Natale** (United States), **Sakis Themistoclakis** (Italy), **Giselle Gervacio** (Philippines), **Yoga Yuniadi** (Indonesia)

WED-201BC-2-1 **CABANA AF Supplementary Data**

Douglas L. Packer (United States)

WED-201BC-2-2 **Indications and Best Practices for AF Ablation: What Does the Updated HRS/EHRA/ECAS/APHRS/SOLAECE Consensus Document tell us?**

Hugh Calkins (United States)

WED-201BC-2-3 **Long-Term Outcome after Bi-Atrial Linear Defragmentation Approach**

Shinsuke Miyazaki (Japan)

WED-201BC-2-4 **Long-term Outcome of Cryoablation for PV Ablation**

Bradley P. Knight (United States)

WED-201BC-2-5 **Health Related Quality of Life in Patients with AF Epicardial Ablation**

Carina Blomström Lundqvist (Sweden)

WED-201BC-2-6 **Adherence to Guideline of AF Ablation**

Teiichi Yamane (Japan)

AF 04: Technical Consideration for PVI: State of the Art, Part I

Date: Oct-17 | Time: 15:30-17:10

Room: 201DE, 2F, TICC

Moderators: **Roberto De Ponti** (Italy), **Yan Yao** (China), **Lian-Yu Lin** (Taiwan)

WED-201DE-2-1 **PV Recordings: A Practical Guide to the AF Ablation**

Young-Hoon Kim (South Korea)

WED-201DE-2-2 **Transseptal Procedure 2018**

Roberto De Ponti (Italy)

WED-201DE-2-3 **Optimize Energy Sources of AF Ablation**

Moussa Mansour (United States)

WED-201DE-2-4 **CMR for AF Ablation or CMR Assessment for AF Ablation**

Eugene Kholmovski (United States)

WED-201DE-2-5 **Extensive Encircling of PV Isolation Guided by Complex Fractionated Atrial Electrograms (CFAE-Guided EEPVI) for Persistent AF**

Akihiro Yoshida (Japan)

WED-201DE-2-6 **Value and Optimal Use of Real Time Contact Force Sensing for AF Ablation**

Dipen Shah (Switzerland)

Education Course 11: Subcutaneous-ICD (Sponsor: Boston)

Date: Oct-17 | Time: 15:30-17:10

Room: 201F, 2F, TICC

Moderator: **Mien-Cheng Chen** (Taiwan)

WED-201F-2-1 **What is New in Subcutaneous-ICD Therapy and Implantation**

Chu-Pak Lau (Hong Kong)

WED-201F-2-2 **Review of Real World Experience with the Subcutaneous-ICD System**

Kelvin Wong (Singapore)

WED-201F-2-3 **Safety and Efficacy of Subcutaneous-ICD in Patients at High Risk of SCD: Primary Chinese Experience**

Wei Hua (China)

WED-201F-2-4 **Trouble shooting for Subcutaneous-ICD Implantation and Follow-up**

Emily Kotschet (Australia)

Device 02: Integrating Multi-Disciplinary Information for Quality of Care

Date: Oct-17 | Time: 15:30-17:10

Room: 202, 2F, TICC

- Moderators: Kathy Lai Fun Lee (Hong Kong), Ardian Rizal (Indonesia), Masahiko Takagi (Japan)
- WED-202-3-1 **High-Resolution Conformal Electronics Devices**
Igor Efimov (United States)
- WED-202-3-2 **CRT: Factors Associated with Clinical Response**
Alisara Anannab (Thailand)
- WED-202-3-3 **Effectiveness of ICD Therapy for Prevention of SCD - Data from Multicenter in the Yeongnam Area of Korea**
Myung Hwan Bae (South Korea)
- WED-202-3-4 **ICD Implantation in Non-Ischemic Cardiomyopathy**
Michael-Joseph Agbayani (Philippines)
- WED-202-3-5 **Cost and Reimbursement Issues in Device Implantation**
M. Khalilullah (India)

Oral Presentation 04: Clinical Science, Part III

Date: Oct-17 | Time: 15:30-17:10

Room: 203, 2F, TICC

- Moderators: Kejiang Cao (China), Allamsetty Suresh (India), Saravanan Krishnan (Malaysia), Zu-Chi Wen (Taiwan)
- WED-OP4-01 **Maintenance of Sinus Rhythm after Catheter Ablation Associated with Decreased Platelet Activation Biomarkers in Patients with Paroxysmal Atrial Fibrillation**
Khalid Bin Waleed, Dalian Medical University (China)
- WED-OP4-02 **Long-term Outcomes Following Catheter Ablation in Patients with Atrial Fibrillation and Heart Failure: 7-Year Follow-up of the ARC-HF Trial**
Cheney Wong, Rosita Zakeri, Habib Khan, Kaushik Guha, Shouvik Haldar, Wajid Hussain, David Jones, Vias Markides, Tom Wong, Royal Brompton Hospital (United Kingdom)
- WED-OP4-03 **Can Tachycardia Initiation and Termination by a Single PVC Differentiate between Orthodromic Tachycardia and Typical AVNRT?**
Aniruddha Vyas, Medanta Hospital (India), Eduardo Sternick, Frederico Soares Correa, Arrhythmia Electrophysiology Unit (Brazil), Yash Lokhandwala, Holy Family Hospital (India), Rodulfo Oyarzun, Instituto Nacional del Torax (Chile), Fernando EC Filho, Instituto de Cardiologia (Brazil), Heinz JJ Wellens, CARIM- Cardiovascular Research Institute Maastricht (Netherlands)
- WED-OP4-04 **Comparison Between the Outcome of Circumferential and Segmental Pulmonary Vein Isolations in Patients with Paroxysmal Atrial Fibrillation: A Ten-Year Follow-up Result**
Wen-Han Cheng, Li-Wei Lo, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng Hu, Yuan Hung, Fa-Po Chung, Jo-Nan Liao, Ta-Chuan Tuan, Tze-Fan Chao, Tseng-Ying Tsai, Shin-Huei Liu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
- WED-OP4-05 **Feasibility of Coherence Mapping to Identify the Isthmus of Scar-Related Atrial Flutter/Tachycardia**
Jannifer Jeanne Viceria, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Tze-Fan Chao, Da-Chuan Duan, Jo-Nan Liao, Ting-Yung Chang, Chin-Yu Lin, Cheng-I Wu, Chih-Min Liu, Chung-Hsing Lin, Chieh-Mao Chuang, Chun-Chao Chen, Chye Gen Chin, Po-Tseng Lee, Shin-Huei Liu, Wen-Han Cheng, Le Phat Tai, Sung-Hao Huang, Ching-Yao Chou, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
- WED-OP4-06 **Demographics, Safety and Acute Procedural Outcomes using Phased RF Ablation for Atrial Fibrillation Ablation in South Korea: Data from the Multicenter Prospective Gold AF Registry**
Hyoung-Seob Park, Keimyung University Dongsan Medical Center (South Korea), Dong-Gu Shin, Yeungnam University Hospital (South Korea), Young Keun On, Samsung Medical Center (South Korea), Hyung-Wook Park, Chonnam National University Hospital (South Korea), Jun Kim, Asan Medical Center

(South Korea), Andreas Goette, St. Vincenz-Krankenhaus (Germany), Lucas Boersma, St. Antonius Ziekenhuis (Netherlands)

WED-OP4-07

3-Year-Follow-up Results of Different PVI Endpoints in Patients with Paroxysmal Atrial Fibrillation: A Prospective Randomized Controlled Trial

Ruhong Jiang, Xia Sheng, Lu Yu, Pei Zhang, Yaxun Sun, Qiang Liu, Zuwen Zhang, Chenyang Jiang, Sir Run Run Shaw Hospital, Zhejiang University (China)

Special Session for Asians 05: Fundamental and Advanced Technique Part V: AF Catheter Ablation

Date: Oct-17 | Time: 15:30-17:10

Room: North Lounge, 3F, TICC

Moderators: **Logan Kanagaratnam** (Australia), **Dennis Lau** (Australia), **Ritsushi Kato** (Japan), **Takashi Ashihara** (Japan)

WED-NL-3-1 **LA Dyssynchrony Time Measured by Tissue Doppler Imaging to Predict AF Recurrences After PV Isolation**

Qiming Liu (China)

WED-NL-3-2 **Low Fluoroscopy Strategy for Ablation**

Satoru Sakagami (Japan)

WED-NL-3-3 **Ganglionated Plexi Ablation in Surgical Treatment of AF**

Shun-Ichiro Sakamoto (Japan)

WED-NL-3-4 **Radiofrequency Catheter Ablation for Drug-Refractory Paroxysmal AF in a Patient with Ebstein's Anomaly**

Yong-Giun Kim (South Korea)

WED-NL-3-5 **Pitfall in AFL Ablation**

Shinji Kaneko (Japan)

Education Course 12: Learn from the Experts: Intracardiac Electrogram (Sponsor: Medtronic)

Date: Oct-17 | Time: 15:30-17:10

Room: VIP, 4F, TICC

Moderator: **George Klein** (Canada)

WED-VIP-5-1 **Welcome & Introductions**

George Klein (Canada)

WED-VIP-5-2 **Case 1&2**

Akihiko Nogami (Japan)

WED-VIP-5-3 **Case 3&4**

Samuel J. Asirvatham (United States)

WED-VIP-5-4 **Course Evaluation & Closing**

George Klein (Canada)

Education Course 13: Expertise and Innovation Workshop II (Sponsor: Biosense Webster)

Date: Oct-17 | Time: 16:20-17:10

Room: 101C, 1F, TICC

Moderator: **Eric Tien Siang Lim** (Singapore)

WED-101C-5-1 **New Era of Mapping Solution with Ripple Map**

Prapa Kanagaratnam (United Kindom)

Satellite Symposium 01: China Night – SMART AF 3.0 Surpass 90% PAF Success Rate (Sponsor: Biosense Webster)

Date: Oct-17 | Time: 18:00-20:30

Venue: Shangri-La's Far Eastern Plaza Hotel

Moderator: **Minglong Chen** (China)
WED-SS-BW1-1 **Welcome**
Minglong Chen (China)
WED-SS-BW1-2 **RIPPLE Mapping with PENTARAY®**
Prapa Kanagaratnam (United Kingdom)
WED-SS-BW1-3 **The Evaluation of Paroxysmal Atrial Fibrillation Endpoint**
Xingpeng Liu (China)
Discussion
WED-SS-BW1-4 **Strategies for AF Ablation with 10/90 Workflow**
Akira Mizukami (Japan)
WED-SS-BW1-5 **Whether PV Antrum Ablation Will Improve PAF Success Rate?**
Chenyang Jiang (China)
Closing
Dinner

Basic and Translational Medicine 01: Insight into Arrhythmogenic Channelopathy

Date: Oct-18 | Time: 08:30-10:10

Room: 101A, 1F, TICC

- Moderators: Xander Wehrens (United States), Suresh Singarayar (Australia), Tae-Joon Cha (South Korea)
- THU-101A-1-1 **Role of Small-Conductance Ca^{2+} -Activated K^+ Channel in the Genesis of Sustained Ventricular Arrhythmias in Cardiac Hypertrophy**
Hisashi Yokoshiki (Japan)
- THU-101A-1-2 **Management of Channelopathies in Children**
Christian Turner (Australia)
- THU-101A-1-3 **K^+ Channelopathies and LQT Syndrome**
Jamie Vandenberg (Australia)
- THU-101A-1-4 **Ion Channel Control of Cardiac Stem Cell Function**
Stanley Nattel (Canada)
- THU-101A-1-5 **Channelopathies and SCD**
Josep Brugada Terradellas (Spain)

VT/VF 05: Brugada Syndrome: All that You Should Know!

Date: Oct-18 | Time: 08:30-10:10

Room: 101B, 1F, TICC

- Moderators: Raymond Sy (Australia), Hiroshi Morita (Japan), Buncha Sunsaneewitayakul (Thailand)
- THU-101B-1-1 **Non-Invasive Risk Stratification in Brugada Syndrome Patients**
Takanori Ikeda (Japan)
- THU-101B-1-2 **Brugada Syndrome Pathophysiology and Ablation**
Koonlawee Nademanee (United States)
- THU-101B-1-3 **Experimental Models of Brugada Syndrome**
Glenn I. Fishman (United States)
- THU-101B-1-4 **The Autonomic Balance in Brugada Syndrome**
Masahiro Ogawa (Japan)

Autonomic Nervous System 01: How Does it Work?

Date: Oct-18 | Time: 08:30-10:10

Room: 101C, 1F, TICC

- Moderators: Erika Maharani (Indonesia), Yung-Lung Chen (Taiwan), Chuen-Wang Chiou (Taiwan)
- THU-101C-1-1 **Ganglionated Plexi and Fat Pad**
Norishige Morita (Japan)
- THU-101C-1-2 **Evaluation of Chronotropic Responsiveness**
Bruce Wilkoff (United States)
- THU-101C-1-3 **Skin Sympathetic Nerve Activity and the Mechanisms of Cardiac Arrhythmias**
Peng-Sheng Chen (United States)
- THU-101C-1-4 **Autonomic Modulation and AF**
Dominik Linz (Australia)
- THU-101C-1-5 **Cardiac Sympathetic Denervation for VTs**
Amit Vora (India)

Genetics 01: SVT and AF

Date: Oct-18 | Time: 08:30-10:10

Room: 101D, 1F, TICC

Moderators:	Narayanan Namboodiri KK (India), Sunandan Sikdar (India), Yusuke Ebana (Japan), Chia-Ti Tsai (Taiwan)
THU-101D-1-1	AF in the Channelopathies Arthur A. M. Wilde (Netherlands)
THU-101D-1-2	Genetics of AF in the Japanese Population Yusuke Ebana (Japan)
THU-101D-1-3	Early-Onset AF (Yonsei AF Ablation Cohort) Hui-Nam Pak (South Korea)
THU-101D-1-4	KCNIP1 Copy Number Variant Chia-Ti Tsai (Taiwan)

VT/VF o6: Malignant Ventricular Tachyarrhythmias in Structurally Normal Heart

Date: Oct-18 | Time: 08:30-10:10

Room: 102, 1F, TICC

Moderators:	Masatsugu Nozoe (Japan), Kelvin Wong (Singapore), Dujdao Sahasthas (Thailand)
THU-102-1-1	J Wave Syndrome in Structurally Normal Heart Yasuhiro Yokoyama (Japan)
THU-102-1-2	Idiopathic VF - How to Investigate? Kit Chan (Hong Kong)
THU-102-1-3	Malignant Outflow Tract VT Yoo Ri Kim (South Korea)
THU-102-1-4	Arrhythmogenic Mitral Valve Prolapse in Patients without other Structural Abnormalities Caroline Medi (Australia)
THU-102-1-5	Thermal Effect on the Development of Malignant Ventricular Arrhythmias in Brugada Syndrome Fa-Po Chung (Taiwan)

HF 03: How to Approach Special Patients Wisely?

Date: Oct-18 | Time: 08:30-10:10

Room: 103, 1F, TICC

Moderators:	Haris Haqqani (Australia), Kamal K. Sethi (India), Chii-Ming Lee (Taiwan)
THU-103-1-1	Patient Selection for Catheter Ablation for AF in HF Peter Kistler (Australia)
THU-103-1-2	Epicardial VT in Non-Ischemic Cardiomyopathy: Unsolved Difficulty Yukio Sekiguchi (Japan)
THU-103-1-3	How to Avoid Early Mortality after VT Ablation in Patients with HF? Oussama Wazni (United States)
THU-103-1-4	Electrical Storm Associated with HF: A Life Threatening Challenge Yukiomi Tsuji (Japan)
THU-103-1-5	His Bundle Pacing to Correct LBBB in HF Patients Weijian Huang (China)

Image and Anatomy 01: Integrating Macro and Micro Pathology in Different Cardiac Arrhythmias

Date: Oct-18 | Time: 08:30-10:10

Room: 201A, 2F, TICC

Moderators:	Ali Oto (Turkey), Yasuhiro Yoshiga (Japan), Jen-Yuan Kuo (Taiwan)
THU-201A-1-1	LA Anatomy Related to AF Jose Angel Cabrera (Spain)
THU-201A-1-2	Consideration of Atrial Anatomy in Mapping and Ablation of Atrial Tachyarrhythmia Hsuan-Ming Tsao (Taiwan)
THU-201A-1-3	Anatomic Basis for Ventricular Tachyarrhythmias

Jeong-Wook Seo (South Korea)

THU-201A-1-4 **Structural Characteristics of the Aortic Root Necessary for Catheter Ablation**

Osamu Igawa (Japan)

THU-201A-1-5 **Understanding the Epicardial Structures before Starting Ablation**

Harikrishna Tandri (United States)

AF 05: Clinical Trials Versus Real-World Registry Database

Date: Oct-18 | Time: 08:30-10:10

Room: 201BC, 2F, TICC

Moderators: **Robert P. Giugliano** (United States), **Steve WK Lai** (Hong Kong), **Yoshiaki Kaneko** (Japan)

THU-201BC-1-1 **What do we Learn from the Randomized Trials of NOACs Versus Warfarin About Stroke Prevention?**

Robert P. Giugliano (United States)

THU-201BC-1-2 **What do we Learn from the Randomized Trials of NOACs Versus Warfarin Beyond Stroke Prevention?**

Tze-Fan Chao (Taiwan)

THU-201BC-1-3 **What are the Surprising Findings in the Real World Data of NOACs?**

Hung-Fat Tse (Hong Kong)

THU-201BC-1-4 **Causal Inference and Real-World Studies on NOAC Versus Warfarin - Pay Attention to the Methodology!**

Peter Brønnum Nielsen (Denmark)

AF 06: Technical Consideration for PVI: State of the Art, Part II

Date: Oct-18 | Time: 08:30-10:10

Room: 201DE, 2F, TICC

Moderators: **Sugako Ishigaki** (Japan), **Teiichi Yamane** (Japan), **Jiunn-Lee Lin** (Taiwan), **Li-Wei Lo** (Taiwan)

THU-201DE-1-1 **Pulsed Field Ablation - A New Type of Electroporation**

Atul Verma (Canada)

THU-201DE-1-2 **Catheter Mapping and Ablation Based on Dielectric Technology**

Karl-Heinz Kuck (Germany)

THU-201DE-1-3 **Efficacy and Limitation of ATP Test After PVI**

Atsushi Kobori (Japan)

THU-201DE-1-4 **Suggestion for Intracardiac Echocardiography (ICE) User and Non-ICE Users**

Chun Hwang (United States)

THU-201DE-1-5 **Optimizing Lesion Formation during Radiofrequency Ablation**

Stuart P Thomas (Australia)

THU-201DE-1-6 **High Power Short Duration for AF Ablation**

Mihail G. Chelu (United States)

THU-201DE-1-7 **High Resolution for PV Mapping in AF**

Mike Mangrum (United States)

Joint Session 01: Joint Session of the International Society for Holter and Noninvasive Electrocardiology: Digital Health: Implications for Arrhythmia Management

Date: Oct-18 | Time: 08:30-10:10

Room: 201F, 2F, TICC

Moderators: **Jonathan S. Steinberg** (United States), **Niraj Varma** (United States), **Satoshi Higa** (Japan), **Ming-Hsiung Hsieh** (Taiwan)

THU-201F-1-1 **Opening Remarks**

Ming-Hsiung Hsieh (Taiwan)

THU-201F-1-2 **Bridge between Implantable and Non-Implantable Remote Monitoring**

Niraj Varma (United States)

THU-201F-1-3	Opportunistic Screening/ Integration with Physiological Sensors Yu-Feng Hu (Taiwan)
THU-201F-1-4	Normative Values of Short-Term Heart Rate Variability Parameters in Koreans and their Clinical Value for the Prediction of Mortality Chan-Hee Lee (South Korea)
THU-201F-1-5	Cyber Security of Cardiac Wearable Devices Jean-Philippe Couderc (United States)
THU-201F-1-6	Closing Remarks Niraj Varma (United States)

Risk Stratification 01: Current Understanding of Subclinical AF – How Much is Too Much?

Date: Oct-18 | Time: 08:30-10:10

Room: 202, 2F, TICC

Moderators: Pattarapong Makarawate (Thailand), Ben Freedman (Australia), Swee-Chong Seow (Singapore), Shee Juhn Chung (South Korea)

THU-202-1-1	Atrial High Rate Episodes (AHREs) and Stroke - A Risk Factor or just a maker? Lin Yee Chen (United States)
THU-202-1-2	Stroke Prevention in Patients with Atrial High Rate Episodes (AHREs) - Update on Clinical Trials Andreas Götte (Germany)
THU-202-1-3	Subclinical AF in Patients with Embolic Stroke with Undetermined Source Rajiv Mahajan (Australia)
THU-202-1-4	Risk Factor Management for AF Patients to Improve Outcomes Dennis Lau (Australia)
THU-202-1-5	Epidemiology of AF, Hospital-Based Versus Population-Based Masaki Ohsawa (Japan)
THU-202-1-6	The Burden of Premature Atrial Contractions and the Risk of Cardiovascular Events Chin-Yu Lin (Taiwan)

Device 03: ICD Trials: Awareness in Clinical Research and Beyond

Date: Oct-18 | Time: 08:30-10:10

Room: 203, 2F, TICC

Moderators: Emily Kotschet (Australia), Aparna Jaswal (India), Akira Maesato (Japan)

THU-203-1-1	Real World Status of Subcutaneous-ICD Hung-Fat Tse (Hong Kong)
THU-203-1-2	Usefulness of Long Detection Window in VVI ICD Maurizio Gasparini (Italy)
THU-203-1-3	Using the Wearable Defibrillator: Strength of the Data Andrew E. Epstein (United States)
THU-203-1-4	Inappropriate ICD Therapy Revisited: How to Avoid Oversensing of Repolarization Electrograms Akira Maesato (Japan)
THU-203-1-5	Recent Update on the MADIT Subcut Trial in Diabetic Patients with Coronary Artery Disease and an Ejection Fraction Between 35 and 50% David Cannom (United States)

Device 04: Looking Forward and Back at Leadless Pacing

Date: Oct-18 | Time: 08:30-10:10

Room: South Lounge, 3F, TICC

Moderators: Yuet Wong Cheng (Hong Kong), Vanita Arora (India), Kenji Ando (Japan)

THU-SL-1-1	Leadless Pacing: Indication, Contra-Indications and Implantation
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Chu-Pak Lau (Hong Kong)

THU-SL-1-2 **Tips and Tricks of Leadless Pacemaker (Micra) Implantation**

Kok Wei Koh (Malaysia)

THU-SL-1-3 **Long term Performance of Leadless Pacemakers: Current Evidence**

Joseph YS Chan (Hong Kong)

THU-SL-1-4 **Pacing in the Future; Leads Versus Leadless**

Dean Boddington (New Zealand)

THU-SL-1-5 **Interesting Case of Leadless Pacemaker**

Sirin Apiyasawat (Thailand)

Device 05: How to Improve CRT Response

Date: Oct-18 | Time: 08:30-10:10

Room: North Lounge, 3F, TICC

Moderators: **Takashi Noda** (Japan), **Shenhua Zhou** (China), **Pow-Li Chia** (Singapore), **Mungun-Ulzii Khurelbaatar** (Mongolia)

THU-NL-1-1 **Who Is Most Likely to Benefit from CRT?**

David Foo (Singapore)

THU-NL-1-2 **How to Guarantee a Good Response to CRT in 2018?**

Angelo Auricchio (Switzerland)

THU-NL-1-3 **How to Improve Patient Outcomes Following CRT**

David O'Donnell (Australia)

THU-NL-1-4 **Maximizing CRT Quality Outcomes**

Thomas F. Deering (United States)

THU-NL-1-5 **What Is the Role of MitralClip in Clinical Outcome Assessment of CRT?**

Toshinari Onishi (Japan)

Highlight Session 01: Real-World Experience with Reversal Agents

Date: Oct-18 | Time: 08:30-10:10

Room: Banquet Hall, 3F, TICC

Moderators: **Robert Hatala** (Slovakia), **Hiroyuki Osanai** (Japan), **Chi-Tai Kuo** (Taiwan)

THU-BH-1-1 **The Experience of Reversal Agents in Korea**

Eue-Keun Choi (South Korea)

THU-BH-1-2 **The Experience of Reversal Agents in Japan**

Kaoru Okishige (Japan)

THU-BH-1-3 **The Experience of Reversal Agents in Thailand**

Thoranis Chantrarat (Thailand)

THU-BH-1-4 **The Experience of Reversal Agents in Taiwan**

Yi-Heng Li (Taiwan)

Allied Professionals 01: Multidisciplinary Cares in Arrhythmia Patients

Date: Oct-18 | Time: 08:30-10:10

Room: Conference 1, 2F, TWTC

Moderators: **Christeena Thomas** (India), **Fu-Chun Chiu** (Taiwan), **Chin-Feng Tsai** (Taiwan)

THU-C1-1-1 **Non-Invasive Studies: Past, Current and Future**

Taku Nishida (Japan)

THU-C1-1-2 **How to Setup 3D Mapping Coordinated with EP Recording System (Pitfall in Different System)?**

Christeena Thomas (India)

THU-C1-1-3 **How to Perform an EP Study?**

Troy Watts (Australia)

- THU-C1-1-4 **Energy Choice: RF Ablation, Cryo or others**
Chang-Hee Lee (South Korea)
- THU-C1-1-5 **Procedural Concerns in Pediatrics and Congenital Heart Disease**
Christine Chiu-Man (Canada)

Young EP Club 01: Clinical Practice Sharing

Date: Oct-18 | Time: 08:30-10:10

Room: Conference 2, 2F, TWTC

- Moderators: Pawel Balsam (Poland), Beny Hartono (Indonesia), Hung-Yu Chang (Taiwan)
- THU-C2-1-1 **Substrate Assessment and Ablation Strategy for Scar-Related VT**
Yuki Komatsu (Japan)
- THU-C2-1-2 **How Can I Do to Elevate my Ability for Complex Ablation?**
Pasquale Santangeli (United States)
- THU-C2-1-3 **Radiation Safety in Electrophysiology Laboratory**
Logan Kanagaratnam (Australia)
- THU-C2-1-4 **The Application of Cardiac MRI in Electrophysiology**
Ling Kuo (Taiwan)
- THU-C2-1-5 **How to do Big Data Analysis Correctly**
Yi-Hsin Chan (Taiwan)
- THU-C2-1-6 **How to Balance Your Life and Work – From a Female Electrophysiologist's Point of View**
Warangkna Boonyapisit (Thailand)
- THU-C2-1-7 **How to Major in CIED Management and Design Related Research**
Valentina Kutyifa (United States)

Syncope 01: How to Manage Syncope Precisely in Different Etiology

Date: Oct-18 | Time: 08:30-10:10

Room: Conference 3, 2F, TWTC

- Moderators: Junbeom Park (South Korea), Pipin Kojodjojo (Singapore), Bih-Fang Guo (Taiwan)
- THU-C3-1-1 **Vasovagal Syncope: Current Understanding and Management**
Antonio Raviele (Italy)
- THU-C3-1-2 **Syncope without Prodromes, Normal Heart and Normal ECG**
Michele Brignole (Italy)
- THU-C3-1-3 **What is New in the Management of Arrhythmia Related Syncope**
June Soo Kim (South Korea)
- THU-C3-1-4 **How to Manage Recurrent Syncope with Unknown Etiology**
Richard Sutton (Monaco)

Pediatrics 01: My Nightmare Cases in Pediatrics

Date: Oct-18 | Time: 08:30-10:10

Room: Conference 5, 2F, TWTC

- Moderators: Jinjin Wu (China), Aya Miyazaki (Japan), Shuenn-Nan Chiu (Taiwan), Pi-Chang Lee (Taiwan)
- THU-C5-1-1 **A Near Missing AVNRT**
Ming-Chih Lin (Taiwan)
- THU-C5-1-2 **Difficult Isthmus Ablation in a Huge Right Atrium in a 6-year old Boy**
Jinjin Wu (China)
- THU-C5-1-3 **Ablation of an Accessory Pathway in a Child After Surgical Repair of Ebstein's Anomaly**
He Jiang (China)
- THU-C5-1-4 **Channelopathy Nightmare**
Apichai Khongphatthanayothin (Thailand)

- THU-C5-1-5 **Challenging Ablation Cases in Pediatric Patients**
Supaluck Kanjanauthai (Thailand)
- THU-C5-1-6 **Acquired Long QT Syndrome Led to VF**
Shao-Ying Zeng (China)
- THU-C5-1-7 **Unexpected High Degree Atrioventricular Block after Cryoablation of Midseptal Accessory Pathway. How to Avoid It**
Kun-Lang Wu (Taiwan)
- THU-C5-1-8 **Do not Count Your Chickens before They Hatch**
Christian Turner (Australia)

Drug 01: State of the Art on Oral Anticoagulation in AF

Date: Oct-18 | Time: 08:30-10:10

Room: Joy Lounge, 4F, TICC

Moderators: Charn Sriratanasathavorn (Thailand), Muhammad Yamin (Indonesia), Kee-Joon Choi (South Korea), Sam Soo Kim (South Korea)

- THU-JL-1-1 **Are NOACs All the Same?**
Chern-En Chiang (Taiwan)
- THU-JL-1-2 **NOACs Versus Warfarin for Asians and Non-Asians**
Myung-Jin Cha (South Korea)
- THU-JL-1-3 **Stroke Prevention in AF – Is it Time to Forget Warfarin?**
Chee Wan Lee (Singapore)
- THU-JL-1-4 **NOACs for Japanese AF in the Elderly**
Yusuke Kondo (Japan)
- THU-JL-1-5 **Current Status and Clinical Outcomes of Direct Oral Anticoagulants in Japanese Patients with AF - Over 3000 Patients Data from the SAKURA AF Registry**
Yasuo Okumura (Japan)
- THU-JL-1-6 **Game Changer - The Reversal Agents for NOACs**
Martin Stiles (New Zealand)

Learning from the Experts and Legends 01

Date: Oct-18 | Time: 08:30-10:10

Room: Plenary Hall, 3F, TICC

Moderators: Jonathan Kalman (Australia), Ken Okumura (Japan), Shih-Ann Chen (Taiwan)

- THU-PH-1-1 **The Unanswered Issues in Idiopathic Left VT**
Tohru Ohe (Japan)
- THU-PH-1-2 **Prediction of SCD in Patients with Preserved LVEF**
Christine Albert (United States)
- THU-PH-1-3 **Substrate VT Ablation: Where Do We Stand in 2018?**
Paolo Della Bella (Italy)
- THU-PH-1-4 **Best Endpoints for VT Substrate Ablation - Beyond Noninducibility**
Francis Marchlinski (United States)

Cross-Strait Chinese Session 01: 多面相建構出高品質的心衰竭治療：資訊，科技與策略

Date: Oct-18 | Time: 08:30-10:10

Room: VIP, 4F, TICC

- Moderators: 王玉堂 Yutang Wang, 薛小臨 Xiaolin Xue, 黃嵩豪 Sung-Hao Huang, 黃惠君 Hui-Chun Huang
- THU-VIP-1-1 **CRT 無反應的處理策略**
廖英傑 Ying-Chieh Liao
- THU-VIP-1-2 **心衰竭病患房顫的治療**

THU-VIP-1-3	王玉堂 Yutang Wang 左室多部位起搏在心臟再同步治療的應用
THU-VIP-1-4	薛小臨 Xiaolin Xue 如何評估及追蹤 CRT 植入後心臟功能
THU-VIP-1-5	黃惠君 Hui-Chun Huang 心衰竭病患遠距監測 陳威達 Wei-Ta Chen

Chaired Poster 01: Device

Date: Oct-18 | Time: 10:00-11:00

Room: Chaired Poster Station, 1F, TWTC

Moderators:	Kazuo Matsumoto (Japan), Chi-Woon Kong (Taiwan), Wei-Hua Tang (Taiwan)
THU-CP01-01	The Survival After Lead Extraction in Patients with Lead Related Infective Endocarditis: Asian Single Center Experience <u>Nobuhiro Nishii</u> , Yoshimasa Morimoto, Akihito Miyoshi, Saori Tsukuda, Masakazu Miyamoto, Koji Nakagawa, Atsuyuki Watanabe, Kazufumi Nakamura, Hiroshi Morita, Hiroshi Ito, Okayama University (Japan)
THU-CP01-02	Comparison of Two Different Techniques of Ultrasound Guided Axillary Vein Access for Pacemaker Implantation <u>Chi Wing Wong</u> , Yu Ho Chan, Yue Hong Cheng, Cheuk Sum Lam, Pok Oi Hospital (Hong Kong)
THU-CP01-03	Prediction of Boundary Line Between Slow Pathway and Fast Pathway Using 3D Mapping System for the Treatment of Atrioventricular Nodal Reentrant Tachycardia <u>Motomi Tachibana</u> , Kimikazu Banba, Kensuke Matsumoto, Minako Ohara, Akihiro Hayashida, Atsushi Hirohata, Keizo Yamamoto, Sakakibara Heart Institute (Japan)
THU-CP01-04	Clinical and Electrocardiographic Variables of Patients with Vasospastic Angina Resuscitated from Cardiac Arrest <u>Ami Isshiki</u> , Yuta Taomoto, Mari Ohmori, Toshio Kaneda, Munehiro Iiya, Hiroshi Shimada, Tomoko Manno, Masato Shimizu, Hiroyuki Fujii, Makoto Suzuki, Yokohama Minami Kyosai Hospital (Japan), Hiroyuki Ito, Toshihiko Nishioka, Saitama Medical University (Japan), Mitsuhiro Nishizaki, Kanto Gakuin University (Japan)
THU-CP01-05	The Evaluation of Superior Vena Cava Stenosis after Superior Vena Cava Isolation in Patients with Paroxysmal Atrial Fibrillation <u>Masayuki Ishimura</u> , Yoshiyuki Hama, Masashi Yamamoto, Yoshiharu Himi, Kimitsu Central Hospital (Japan)

Basic and Translational Medicine 02: Linking Calcium, Ca²⁺/Calmodulin-Dependent Protein Kinase (CaMKII) and Heart Rhythm Disorder

Date: Oct-18 | Time: 10:30-12:10

Room: 101A, 1F, TICC

Moderators:	Peng-Sheng Chen (United States), Derek Laver (Australia), Yung-Hsin Yeh (Taiwan)
THU-101A-2-1	Regulation of Cardiac Ryanodine Receptors by Calmodulin Derek Laver (Australia)
THU-101A-2-2	Calmodulinopathies - Basic Mechanisms Underlying Diverse Clinical Presentations Bjorn Knollmann (United States)
THU-101A-2-3	Clinical and Genetic Basis of Calmodulinopathy Naomasa Makita (Japan)
THU-101A-2-4	Calcium Dysregulation in RV Outflow Tract Arrhythmogenesis Yen-Yu Lu (Taiwan)

VT/VF 07: Reappraisal of Antiarrhythmic Drugs

Date: Oct-18 | Time: 10:30-12:10

Room: 101B, 1F, TICC

- Moderators: **Luigi Di Biase** (United States), **Hisashi Yokoshiki** (Japan), **Gi-Byoung Nam** (South Korea)
- THU-101B-2-1 **Amiodarone or Substrate Based VT Ablation in Patient with Ischemic Cardiomyopathy: Where are We?**
Luigi Di Biase (United States)
- THU-101B-2-2 **Angiotensin Receptor Neprilysin Inhibitor - The New Treatment of HF and Ventricular Arrhythmias**
David Sim (Singapore)
- THU-101B-2-3 **Late Sodium Current and Ventricular Arrhythmia**
Yukiomi Tsuji (Japan)
- THU-101B-2-4 **Anti-Arrhythmic Effects of Statin for Ventricular Arrhythmias**
Tae-Joon Cha (South Korea)
- THU-101B-2-5 **Selection of Antiarrhythmic Drug for Non-Ischemic Cardiomyopathy and HF**
Yuji Nakazato (Japan)

Autonomic Nervous System 02: Impact of Autonomic Nervous System Dysfunction on Heart Rhythm Disorder

Date: Oct-18 | Time: 10:30-12:10

Room: 101C, 1F, TICC

- Moderators: **Miguel Valderrabano** (United States), **Shinya Yamada** (Japan), **Yongkeun Cho** (South Korea)
- THU-101C-2-1 **Role of Atrial Neural Plexi in AF**
Eue-Keun Choi (South Korea)
- THU-101C-2-2 **Arrhythmias and Autonomic Dysfunction in Adult with Atrial Septal Defect**
Erika Maharani (Indonesia)
- THU-101C-2-3 **Role of Cardiovascular Autonomic Dysfunction in Patients with Brugada Syndrome and Early Repolarization Syndrome**
Naohiko Takahashi (Japan)
- THU-101C-2-4 **Autonomic Syndromes and Syncope**
Susan Corcoran (Australia)
- THU-101C-2-5 **Autonomic Response to Sleep Apnea: Role in AF**
Miguel Valderrabano (United States)

Genetics 02: New Frontier of Genetics in Arrhythmogenic Channelopathies

Date: Oct-18 | Time: 10:30-12:10

Room: 101D, 1F, TICC

- Moderators: **Dale W. Laird** (Canada), **Apichai Khongphatthanayothin** (Thailand), **Jong-Il Choi** (South Korea)
- THU-101D-2-1 **Calmodulins, Novel Genes in Inherited Arrhythmia Syndromes**
Minoru Horie (Japan)
- THU-101D-2-2 **Brugada Syndrome**
Wataru Shimizu (Japan)
- THU-101D-2-3 **Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT)**
Takeshi Aiba (Japan)
- THU-101D-2-4 **ANKB Mutation and Arrhythmias**
Kui Hong (China)
- THU-101D-2-5 **The Role of SCN10A in Cardiac Function and Diseases**
Dan Hu (China)

VT/VF 08: Neuromodulation in Refractory Ventricular Arrhythmias: How Does It Work?

Date: Oct-18 | Time: 10:30-12:10

Room: 102, 1F, TICC

- Moderators: **Kalyanam Shivkumar** (United States), **Takeshi Sasaki** (Japan), **Ki Hong Lee** (South Korea)
- THU-102-2-1 **Autonomic Control and Arrhythmias**
Kalyanam Shivkumar (United States)
- THU-102-2-2 **MIBG Studies of Cardiac Denervation**
Robert Lemery (Canada)
- THU-102-2-3 **Autonomic Nerve Activity and Ventricular Arrhythmia**
Masaomi Chinushi (Japan)
- THU-102-2-4 **Risk Management for Ventricular Arrhythmias After Myocardial Infarction**
Yusuke Kondo (Japan)
- THU-102-2-5 **VT Storm Management: Role of Neuromodulation**
Ajay Naik (India)

HF 04: Challenge in Catheter Ablation of Ventricular Arrhythmia

Date: Oct-18 | Time: 10:30-12:10

Room: 103, 1F, TICC

- Moderators: **Andre d'Avila** (Brazil), **Kazuaki Kaitani** (Japan), **Akihiko Shimizu** (Japan)
- THU-103-2-1 **RV Outflow Tract High-Density Epicardial Voltage Mapping in Patients with Brugada Syndrome: Evidence for Electroanatomical Abnormalities**
Shiro Nakahara (Japan)
- THU-103-2-2 **VT Substrate and Ablation in Non-Ischemic Cardiomyopathy**
Saurabh Kumar (Australia)
- THU-103-2-3 **Current Update on VT Ablation in HF**
Henry H. Hsia (United States)
- THU-103-2-4 **Ablation of Ventricular Storm in the Early Post Myocardial Infarction Period**
Jayaprakash Shenthathar (India)

Image and Anatomy 02: What You Should Know in Your Ablation

Date: Oct-18 | Time: 10:30-12:10

Room: 201A, 2F, TICC

- Moderators: **Walter Abhayaratna** (Australia), **Niti Chadha Negi** (India), **Yoshinori Kobayashi** (Japan)
- THU-201A-2-1 **Solution for Difficult AFL Ablation**
Jose Angel Cabrera (Spain)
- THU-201A-2-2 **Ventricular Anatomy for Electrophysiologist**
Siew Yen Ho (United Kingdom)
- THU-201A-2-3 **Anatomic Correlation with Ventricular Outflow Tract Ablation**
Samuel J. Asirvatham (United States)
- THU-201A-2-4 **Structural Characteristics and Distribution of Epicardial Adipose Tissue Between Left and Right AF**
Hideyuki Hasebe (Japan)
- THU-201A-2-5 **LGE-MRI of LA**
Koji Higuchi (Japan)
- THU-201A-2-6 **Role of Cardiac Imaging to Improve VT Ablation Outcomes**
Frank Bogun (United States)

AF 07: Non-Cardiovascular Risk Factors: Beyond Your Understanding

Date: Oct-18 | Time: 10:30-12:10

Room: 201BC, 2F, TICC

- Moderators: **Melissa Middeldorp** (Australia), **Shashidhar Shashidhar** (India), **Rohit Walia** (India)
- THU-201BC-2-1 **The Risk of Ischemic Stroke of AF Patients in Cold Weather**

Jo-Nan Liao (Taiwan)

THU-201BC-2-2 **Thyroid Function and AF Ablation Outcomes: Even High-Normal Thyroid-Stimulating Hormone Levels Matter**

Itsuro Morishima (Japan)

THU-201BC-2-3 **Be Careful of the Medications (NSAID, Bronchodilators...), which could Cause AF?**

Ying-Chieh Liao (Taiwan)

THU-201BC-2-4 **Genetic Risk Prediction of AF**

Yukiko Nakano (Japan)

THU-201BC-2-5 **Gender Disparities in AF Ablation Outcomes**

Melissa Middeldorp (Australia)

AF o8: Optimal Strategy Other than PV Ablation: A Multi-Specialty Approach

Date: Oct-18 | Time: 10:30-12:10

Room: 201DE, 2F, TICC

Moderators: **Moussa Mansour** (United States), **Koichiro Kumagai** (Japan), **Shoei K. Stephen Huang** (United States), **Wen-Yu Lin** (taiwan)

THU-201DE-2-1 **Persistent AF Ablation – The Strategies and Where We are**

Prash Sanders (Australia)

THU-201DE-2-2 **Role of Posterior Wall Box Isolation in Persistent AF**

Stuart P Thomas (Australia)

THU-201DE-2-3 **MRI Guided Substrate Ablation**

Nassir Marrouche (United States)

THU-201DE-2-4 **Scar Homogenization for the Treatment of Persistent AF: Evolution and Practice**

Minglong Chen (China)

THU-201DE-2-5 **Ablation of Long Standing Persistent AF: The Role of LAA Isolation**

Andrea Natale (United States)

THU-201DE-2-6 **Consideration of CFAE Ablation in Long-Lasting Persistent AF**

Koonlawee Nademanee (United States)

THU-201DE-2-7 **Predetermined Linear Ablation for Long-Standing Persistent AF**

Yoshito Iesaka (Japan)

Non-Invasive ECG o1: Ambulatory ECG Monitoring: Digital Revolution

Date: Oct-18 | Time: 10:30-12:10

Room: 201F, 2F, TICC

Moderators: **Jonathan S. Steinberg** (United States), **Kaoru Tanno** (Japan), **Sabine Ernst** (United Kindom)

THU-201F-2-1 **Ambulatory ECG: Clinical Impact, Opportunities and Challenges**

Jonathan S. Steinberg (United States)

THU-201F-2-2 **Use of Wearable Technology for Monitoring Arrhythmias**

Andrew Teh (Australia)

THU-201F-2-3 **Role of Implantable Loop Recorder in Korean Patients with Unexplained Syncope**

June Soo Kim (South Korea)

THU-201F-2-4 **Establishing Normal Reference Values of LP, Signal-Averaged Electrocardiography (SAECG) and T Wave Alternans (TWA) by 24-Hour Ambulatory ECG Monitoring for Stratification of SCD**

Bonpei Takase (Japan)

THU-201F-2-5 **Smartphone Based Monitoring after AF Ablation**

Hyoung-Seob Park (South Korea)

Risk Stratification o2: Difficult and Special Scenarios for Stroke Prevention in AF, Part I

Date: Oct-18 | Time: 10:30-12:10

Room: 202, 2F, TICC

- Moderators: Eric Prystowsky (United States), Zulkeflee Muhammad (Malaysia), Young Keun On (South Korea)
- THU-202-2-1 **Stroke Prevention in AF Patients with a History of Intracerebral Hemorrhage**
Renato D. Lopes (United States)
- THU-202-2-2 **Stroke Prevention in AF Patients with Liver Cirrhosis**
Ling Kuo (Taiwan)
- THU-202-2-3 **Stroke Prevention in AF in Patients with End-Stage Renal Disease Undergoing Dialysis**
Pow-Li Chia (Singapore)
- THU-202-2-4 **Stroke Prevention in AF in Patients with Malignancy**
Tae-Hoon Kim (South Korea)
- THU-202-2-5 **Stroke Prevention in AF in Patients Experiencing Acute Ischemic Stroke who already Received NOACs**
Li-Chi Hsu (Taiwan)

Device 06: An Innovative Approach to Subcutaneous-ICD

Date: Oct-18 | Time: 10:30-12:10

Room: 203, 2F, TICC

- Moderators: Timothy G.T. Yeh (United States), Vincent Paul (Australia), Kwok Keung Chan (Hong Kong), Mitsuharu Kawamura (Japan)
- THU-203-2-1 **Subcutaneous-ICD Patient Selection and Outcomes**
Michael R Gold (United States)
- THU-203-2-2 **Role of the Subcutaneous Defibrillator in 2018**
Bradley P. Knight (United States)
- THU-203-2-3 **Techniques Aspect of Subcutaneous-ICD Implants**
Emily Kotschet (Australia)
- THU-203-2-4 **The Application of Subcutaneous-ICD in China**
Wei Hua (China)
- THU-203-2-5 **Experience of Clinical Usage of Wearable Cardioverter Defibrillator (WCD) in Japan**
Shinichi Niwano (Japan)

Device 07: Appropriate Patient Selection for Leadless PPM

Date: Oct-18 | Time: 10:30-12:10

Room: South Lounge, 3F, TICC

- Moderators: Josef Kautzner (Czech Republic), Kok Wei Koh (Malaysia), Ta-Chuan Tuan (Taiwan)
- THU-SL-2-1 **A Leadless Pacemaker in the Real-World Setting**
Johannes Sperzel (Germany)
- THU-SL-2-2 **Safety Issues for the Leadless Cardiac Pacemaker**
Kyoko Soejima (Japan)
- THU-SL-2-3 **The Future of Leadless Pacing: Dual-Chamber Pacing**
Werner Jung (Germany)
- THU-SL-2-4 **Indications and Challenges of Leadless Pacemaker (Micra) Extraction**
Dhanunjaya Lakkireddy (United States)
- THU-SL-2-5 **Leadless Pacemaker Implantation Without Complication: Learning from the Patients**
Toshiaki Sato (Japan)

Device 08: CRT Non-Responders: Unsolved Mysteries in 2018

Date: Oct-18 | Time: 10:30-12:10

Room: North Lounge, 3F, TICC

- Moderators: Michele Brignole (Italy), Angelo Auricchio (Switzerland), Kamal K. Sethi (India), Miwa Miyoshi (Japan)
- THU-NL-2-1 **A Systematic Approach to Non-Responders in CRT**
Cheuk-Man Yu (Hong Kong)

THU-NL-2-2	How to Minimize CRT Non-Responder? Ippei Tsuboi (Japan)
THU-NL-2-3	Improving Non Responders of CRT - How to Maximize “Effective CRT Pacing” Vanita Arora (India)
THU-NL-2-4	Optimizing Lead Placement for Reducing CRT Non-Responder Michael R Gold (United States)
THU-NL-2-5	His-Bundle Pacing for CRT Non-Responder Weijian Huang (China)

Highlight Session 02: Breakthrough Technique: Non-Invasive Cardiac Radiation for Arrhythmia Ablation

Date: Oct-18 | Time: 10:30-12:10

Room: Banquet Hall, 3F, TICC

Moderators:	Karl-Heinz Kuck (Germany), Kenzo Hirao (Japan), Shih-Ann Chen (Taiwan)
THU-BH-2-1	General Principle and Current Application of Radiotherapy and Stereotactic Ablative Radiotherapy Yuan-Hung Wu (Taiwan)
THU-BH-2-2	Advantages and Disadvantages of Stereotactic Radioablation for Cardiac Arrhythmias Andrea Natale (United States)
THU-BH-2-3	Cardiac Radiosurgery for AF: First in Asia Masaaki Shoji (Japan)
THU-BH-2-4	The Application of Stereotactic Radioablation of Ventricular Arrhythmia Fa-Po Chung (Taiwan)

Allied Professionals 02: Diagnosis and Mapping Consideration

Date: Oct-18 | Time: 10:30-12:10

Room: Conference 1, 2F, TWTC

Moderators:	Wai-kwong Chan (Hong Kong), Keiichi Ashikaga (Japan), Eric Tien Siang Lim (Singapore)
THU-C1-2-1	Insertable Cardiac Monitor for Arrhythmia Diagnosis T. S. Kler (India)
THU-C1-2-2	Basic Electrophysiology and Mechanisms of Arrhythmia Shomu Bohora (India)
THU-C1-2-3	Bradycardia Invasive Studies: Past, Current and Future Sum Kin Leung (Hong Kong)
THU-C1-2-4	How to Perform Tilting Table Examination and Monitor? Yuan-Hung Liu (Taiwan)
THU-C1-2-5	Identify the AF Source from Left Atrium or Right Atrium? Xing-Peng Liu (China)
THU-C1-2-6	Pitfall of Mapping Allied Professional Training: Activation and Entrainment Montawatt Amnueypol (Thailand)

Young EP Club 02: Basic/ Translational Medicine Sharing

Date: Oct-18 | Time: 10:30-12:10

Room: Conference 2, 2F, TWTC

Moderators:	Valentina Kutyifa (United States), Abigail Louise D. Te (Philippines), Yu-Cheng Hsieh (Taiwan)
THU-C2-2-1	How to Find a Right Direction in Arrhythmia Basic Research? Gary Tse (Hong Kong)
THU-C2-2-2	Current Understanding about the Purkinje Network System and Potential Clinical Application Myung-Jin Cha (South Korea)
THU-C2-2-3	The use of Modern Technology in Electrophysiology

- THU-C2-2-4 **Pawel Balsam** (Poland)
How to Design an Experimental Model to Prove Clinical Concept
- THU-C2-2-5 **Cory M. Tschabrunn** (United States)
How to Establish Multiple Strategies in Basic Research?
- THU-C2-2-6 **Wen-Chin Tsai** (Taiwan)
Current Status of Molecular Study in AF: From Basic Mechanisms to Translational Potential
- Masahide Harada** (Japan)

Syncope 02: Rapid Fire Case – My Tough Syncope Case

Date: Oct-18 | Time: 10:30-12:10

Room: Conference 3, 2F, TWTC

- Moderators: **Richard Sutton** (Monaco), **David G. Benditt** (United States), **Youichi Kobayashi** (Japan)
- THU-C3-2-1 **A case Related to Sinus Node Dysfunction**
Nwe Nwe (Myanmar)
- THU-C3-2-2 **Syncope Related to Inherited Tachycardia**
Ji Eun Ban (South Korea)
- THU-C3-2-3 **A Case Related to Structural Heart Disease**
Ting-Yung Chang (Taiwan)
- THU-C3-2-4 **A Case Related to HF**
Angel Moya (Spain)
- THU-C3-2-5 **A Case Related to Conduction Disturbance**
Mohammad Shenasa (United States)

Pediatrics 02: Challenging Ablation in Pediatrics

Date: Oct-18 | Time: 10:30-12:10

Room: Conference 5, 2F, TWTC

- Moderators: **Ming-Lon Young** (United States), **Morio Shoda** (Japan), **Ming-Chih Lin** (Taiwan)
- THU-C5-2-1 **Non-Fluoroscopic Catheter Ablation in Children**
Ming-Lon Young (United States)
- THU-C5-2-2 **Utility of MRI to Visualize Ablation Lesions in Pediatrics**
Charles Berul (United States)
- THU-C5-2-3 **Ablation of Ventricular Arrhythmias in Children**
Xiaomei Li (China)
- THU-C5-2-4 **Ablation of Incessant Posterior Left Ventricular Tachycardia in a 13-months Old Boy**
Jinjin Wu (China)
- THU-C5-2-5 **3-D Mapping for Difficult AVNRT Ablation**
Pi-Chang Lee (Taiwan)

Drug 02: Stroke Prevention in AF-LAA Occlusion Versus OACs

Date: Oct-18 | Time: 10:30-12:10

Room: Joy Lounge, 4F, TICC

- Moderators: **Kazutaka Aonuma** (Japan), **Masatsugu Ohe** (Japan), **Young-Ah Park** (South Korea)
- THU-JL-2-1 **Review on the Clinical Trials of LAA Occlusion**
Vivek Reddy (United States)
- THU-JL-2-2 **Updated Data of Clinical Registries of LAA Occlusion**
Boris Schmidt (Germany)
- THU-JL-2-3 **How to Manage LAA Occluder Leakage and Thrombus on the Device?**
Oussama Wazni (United States)
- THU-JL-2-4 **How to Use Anticoagulants in Cases of Absences of LAA**

Yong Seog Oh (South Korea)

THU-JL-2-5 **The Unmet Needs and the Future in LAA Occlusion**
Ali Oto (Turkey)

Learning from the Experts and Legends 02

Date: Oct-18 | Time: 10:30-12:10

Room: Plenary Hall, 3F, TICC

Moderators: **Chu-Pak Lau** (Hong Kong), **Masayasu Hiraoka** (Japan), **Tsu-Juey Wu** (Taiwan)

THU-PH-2-1 **Biological Therapies for Cardiac Arrhythmias**

Eduardo Marban (United States)

THU-PH-2-2 **J Wave Syndrome: From Cell to the Bedside**

Charles Antzelevitch (United States)

THU-PH-2-3 **Molecular Mechanisms of SCD**

Andrew R. Marks (United States)

THU-PH-2-4 **Atrial Cardiomyopathy - Important Concept or Useless Terminology?**

Stanley Nattel (Canada)

Cross-Strait Chinese Session 02: 心律不整治療的理想藥物使用

Date: Oct-18 | Time: 10:30-12:10

Room: VIP, 4F, TICC

Moderators: **鍾國強** Guoqiang Zhong, **邱富群** Fu-Chun Chiu, **葉冠宏** Kuan-Hung Yeh

THU-VIP-2-1 **遠距心電圖監控對心律不整診斷之價值・從理想到實際**

陳冠群 Kuan-Chun Chen

THU-VIP-2-2 **心衰藥物治療 (Sacubitril/ 纈沙坦)**

黃爽毓 Shih-Yu Huang

THU-VIP-2-3 **心臟衰竭藥物治療 (Ivabradine 和其他)**

詹益欣 Yi-Hsin Chan

THU-VIP-2-4 **器械檢測出的無症狀房顫的風險評估和管理**

劉興斌 Xingbin Liu

THU-VIP-2-5 **新一代抗凝血藥物 (NOAC) 臨床運用的現況**

李柏增 Po-Tseng Lee

THU-VIP-2-6 **房顫消融後早期復發的藥物治療**

鍾國強 Guoqiang Zhong

Luncheon Symposium 01: Taking a Comprehensive Approach towards CIED Treatment of Heart Failure (Sponsor: Biotronik)

Date: Oct-18 | Time: 12:20-13:20

Room: 101A, 1F, TICC

Moderators: **Werner Jung** (Germany), **Tze-Fan Chao** (Taiwan), **Khanchit Likittanasombat** (Thailand), **Hsiang-Chiang Hsiao** (Taiwan)

THU-101A-LS-1 **Updates on CRT Therapy Guidelines and the Management of HF Patients**

Sheng-Hsiung Chang (Taiwan)

THU-101A-LS-2 **How to Improve Patient Outcomes with Remote Monitoring and the Automatization of In-Clinic Workflows**

Werner Jung (Germany), **Keping Chen** (China)

THU-101A-LS-3 **How to Incorporate Quadripolar Pacing Technologies into Device Programming Procedures**

Swee-Chong Seow (Singapore), **Hsiang-Chiang Hsiao** (Taiwan)

THU-101A-LS-4 **Management of Sudden Cardiac Death in HF with a Novel Single Lead ICD System**

David Foo (Singapore)

Luncheon Symposium 02: The Journey of a High Risk NVAF Patient with Co-Morbidities (Sponsor: Bayer)

Date: Oct-18 | Time: 12:20-13:20

Room: 101B, 1F, TICC

- Moderators: Chia-Ti Tsai (Taiwan), Kuan-Cheng Chang (Taiwan)
- THU-101B-LS-1 **Managing Your Asian High Risk Patients with Non-Valvular AF**
Hung-Fat Tse (Hong Kong)
- THU-101B-LS-2 **Managing Your High Risk NVAF Patients: Renally Impaired Patients**
Atul Verma (Canada)

Luncheon Symposium 03: Contemporary S-ICD Implant Management (Sponsor: Boston Scientific)

Date: Oct-18 | Time: 12:20-13:20

Room: 101C, 1F, TICC

- Moderators: Rajeev Kumar Pathak (Australia), Wei Hua (China)
- THU-101C-LS-1 **Anaesthetic Practices for the S-ICD Implant**
Hung-Fat Tse (Hong Kong)
- THU-101C-LS-2 **Intramuscular Device Implant for Low BMI Asian Patients**
Hiroshi Nakajima (Japan)
- THU-101C-LS-3 **S-ICD Evolution: Patient Guidelines and the Future of DFT Management**
Reinoud Knops (Netherlands)

Luncheon Symposium 04: Take Your CRT Patients to the Next Level with MPP and SyncAV (A Review of the Most Recent Clinical Evidence) (Sponsor: Abbott)

Date: Oct-18 | Time: 12:20-13:20

Room: 201BC, 2F, TICC

- Moderators: Chun-Chieh Wang (Taiwan), Andrew McGavigan (Australia), Shu Zhang (China), Dejie Huang (China)
- THU-201BC-LS-1 **MORE-MPP CRT Trial and Relevant Clinical Data**
Christophe Leclercq (France)
- THU-201BC-LS-2 **Post-implant Electrical Optimization with SyncAV & MPP**
Niraj Varma (United States)
- THU-201BC-LS-3 **When to Assess and Consider to Activate MPP/SyncAV?**
David O'Donnell (Australia)
- THU-201BC-LS-4 **Experience Sharing in Activating MPP/ SyncAV**
Balbir Singh (India)

Luncheon Symposium 05: Lunch & Learn: Micra Leadless Pacing (Sponsor: Medtronic)

Date: Oct-18 | Time: 12:20-13:20

Room: 201DE, 2F, TICC

- Moderators: Yong-Mei Cha (United States), An-Ning Feng (Taiwan)
- THU-201DE-LS-1 **Overview of Micra Implant Procedures**
Emily Kotschet (Australia)
- THU-201DE-LS-2 **Micra Post-Approval Studies: Sub-Analysis of Asian Population**
Kyoko Soejima (Japan)
- THU-201DE-LS-3 **Challenging Micra Cases**
Razali Omar (Malaysia)

Luncheon Symposium 06: Impact of Standardization on Effective Ablation Lesions (Sponsor: Biosense Webster)

Date: Oct-18 | Time: 12:20-13:20

Room: Banquet Hall, 3F, TICC

- Moderator: **Hiroshi Nakagawa** (United States)
 THU-BH-LS-1 **Real World Clinical Experiences from Japan: Simplification and Standardization**
Kazuhiro Satomi (Japan)
 THU-BH-LS-2 **Real World Clinical Experiences from Korea: Exploration and Validation**
Eue-Keun Choi (South Korea)

Luncheon Symposium 07: Continued Challenges in Antithrombotic Strategies in AF: Bird's-Eye View of Advanced Clinical Evidence (Sponsor: Daiichi Sankyo)

Date: Oct-18 | Time: 12:20-13:20

Room: VIP, 4F, TICC

- Moderator: **Gregory Yoke Hong Lip** (United Kingdom)
 THU-VIP-LS-1 **Re-ENGAGE Clinical Evidence: Most Updated Sub-Analysis Outcomes of ENGAGE AF Study and Optimizing Decision in Clinical Practice**
Robert P. Giugliano (United States)
 THU-VIP-LS-2 **Advanced Knowledge and Evidence of Antithrombotic Treatment in Patients with AF during the Peri-Procedural Period**
Andreas Götte (Germany)

Image and Anatomy 03: Interactive Anatomy and Imaging Course I

Date: Oct-18 | Time: 12:20-13:20

Room: Theater 2, 1F, TWTC

- Moderators: **Jeong-Wook Seo** (South Korea), **Hsuan-Ming Tsao** (Taiwan)
 THU-TH2-2-1 **Anatomy of Koch Triangle**
Siew Yen Ho (United Kingdom)
 THU-TH2-2-2 **Atrial Muscular Bundles**
Jeong-Wook Seo (South Korea)
 THU-TH2-2-3 **Ventricular Outflow Tract**
Osamu Igawa (Japan)

Basic and Translational Medicine 03: Cellular and Molecular Pathobiology of Arrhythmogenesis Digestion

Date: Oct-18 | Time: 13:30-15:10

Room: 101A, 1F, TICC

- Moderators: **Ajit Kumar Valaparambil** (India), **Donglin Bai** (Canada), **Byung Chun Jung** (Korea)
 THU-101A-3-1 **Cellular Mechanisms of Focal Arrhythmias in Ischemic Cardiomyopathy**
Karin R. Sipido (Belgium)
 THU-101A-3-2 **Arrhythmogenesis in Alcohol Consumption**
Chung-Lieh Hung (Taiwan)
 THU-101A-3-3 **Arrhythmogenic Atrial Ionic Remodeling in HF**
Tae-Joon Cha (Korea)
 THU-101A-3-4 **Human Tissue Model of Arrhythmogenic Hypertrophic Cardiomyopathy**
José Jalife (United States)
 THU-101A-3-5 **AF: Recent Topics in Basic Arrhythmogenesis**
Tetsunori Saikawa (Japan)

VT/VF 09: Uncommon Cardiomyopathy: What Can I Do?

Date: Oct-18 | Time: 13:30-15:10

Room: 101B, 1F, TICC

Moderators: **Ajit Thachil** (India), **Alexander Edo Tondas** (Indonesia), **Eun-Sun Jin** (South Korea)

THU-101B-3-1 **Radiofrequency Ablation of LQT Syndrome**

Yoga Yuniadi (Indonesia)

THU-101B-3-2 **Epicardial Ablation in Brugada Syndrome. Normalizing the Phenotype**

Josep Brugada Terradellas (Spain)

THU-101B-3-3 **Arrhythmias in Infiltrative Cardiomyopathy**

Myung-Jin Cha (South Korea)

THU-101B-3-4 **VT with Organic Heart Disease**

Tomoo Harada (Japan)

THU-101B-3-5 **VT in Myocardial Tuberculosis**

Ajit Thachil (India)

Mapping Strategy 01: Arrhythmogenesis Mapping in Bench and Bedside, Part I

Date: Oct-18 | Time: 13:30-15:10

Room: 101C, 1F, TICC

Moderators: **Bradley P. Knight** (United States), **Dennis Lau** (Australia), **Shih-Yu Huang** (Taiwan)

THU-101C-3-1 **Evaluation of the Characteristics of Rotational Activation at High-Dominant Frequency Sites During AF**

Koji Kumagai (Japan)

THU-101C-3-2 **Persistent AF Mapping**

Geoff Lee (Australia)

THU-101C-3-3 **Entropy Based Mapping of AF – Information of Theoretical Insights into the AF Mechanism**

Anand Ganesan (Australia)

THU-101C-3-4 **Ripple Map for AT/AF**

Yoshihide Takahashi (Japan)

THU-101C-3-5 **Double Annotation Corridor Mapping for Scar-Related VT: Importance of Voltage Corridors**

Ahmed Talib (Japan)

Stem Cell 01: Biological Pacemaker from Bench to Bedside

Date: Oct-18 | Time: 13:30-15:10

Room: 101D, 1F, TICC

Moderators: **Mark E. Anderson** (United States), **Yung-Kuo Lin** (Taiwan), **Yu-Feng Hu** (Taiwan)

THU-101D-3-1 **Biological Pacemaker: Past, Present and Future**

Eduardo Marban (United States)

THU-101D-3-2 **Calcium Clock in Cardiac Pacemaker Cells**

Mark E. Anderson (United States)

THU-101D-3-3 **The Pathogenesis Mechanism of Sinus Node Dysfunction**

Vadim Fedorov (United States)

THU-101D-3-4 **Induced Pluripotent Stem Cell-Derived - Cardiomyocytes as Biological Pacemakers**

Lior Gepstein (Israel)

VT/VF 10: Mechanism, Strategies, and Outcomes in Substrate Ablation

Date: Oct-18 | Time: 13:30-15:10

Room: 102, 1F, TICC

Moderators: **Josef Kautzner** (Czech Republic), **C. Narasimhan** (India), **Yasushi Mukai** (Japan)

THU-102-3-1 **Mechanisms of VT**

Kalyanam Shivkumar (United States)

THU-102-3-2 **High Density Mapping Guide Ischemic VT Ablation**

Chun Hwang (United States)

THU-102-3-3 **Long-term Outcomes of Catheter Ablation of Electrical Storm in Non-Ischemic Cardiomyopathy**

Pasquale Santangeli (United States)

THU-102-3-4

VT Ablation as First Line Therapy in Patients with Ischemic Heart Disease with Preserved LV Function
Jayaprakash Shenthathar (India)

HF 05: Help Me! Masters: How to Keep it Pumping

Date: Oct-18 | Time: 13:30-15:10

Room: 103, 1F, TICC

Moderators: Rahul Singhal (India), Mitsuhiro Nishizaki (Japan), Allamsetty Suresh (India), Dae-Hee Shin (South Korea)

THU-103-3-1

Who Will Get SCD Post Myocardial Infarction?

Pramesh Kovoov (Australia)

THU-103-3-2

Substrate-based Ablation or Electrophysiology-based Ablation for VT in HF

Shiro Nakahara (Japan)

THU-103-3-3

AF Ablation in HF Patients

Johannes Brachmann (Germany)

THU-103-3-4

How to Manage Rapid AF in Acute HF Complicated with Pulmonary Edema?

Amit Vora (India)

THU-103-3-5

How to Implant CRT in Complex Cases?

Gopal Sivagangabalan (Australia)

Image and Anatomy 04: Multidisciplinary Approach for Management of Cardiac Arrhythmias

Date: Oct-18 | Time: 13:30-15:10

Room: 201A, 2F, TICC

Moderators: Mohan Nair (India), Jung Myung Lee (South Korea), Hsuan-Ming Tsao (Taiwan)

THU-201A-3-1

Pre-Procedure CT Evaluation of LAA Closure: Is it Important or not?

Chun-Ho Yun (Taiwan)

THU-201A-3-2

Anatomy Substrate Between Right and Left Outflow Tract Region

Xunzhang Wang (United States)

THU-201A-3-3

Conduction Abnormalities and Arrhythmias: Role of CT

Wen-Jeng Lee (Taiwan)

THU-201A-3-4

Role of Imaging in VT: 3D Mapping for Idiopathic RV Arrhythmias

Satoshi Higa (Japan)

THU-201A-3-5

Arrhythmogenic RV Dysplasia in 2018: Role of MRI

Hugh Calkins (United States)

AF 09: Lifestyle Modification

Date: Oct-18 | Time: 13:30-15:10

Room: 201BC, 2F, TICC

Moderators: Ashley Chin (South Africa), Hany Dimitri (Australia), Yasuo Okumura (Japan)

THU-201BC-3-1

Air Pollution and Cardiac Arrhythmias

Mark S Link (United States)

THU-201BC-3-2

Does Drinking Coffee or Eating Chocolate Cause AF?

Walter Abhayaratna (Australia)

THU-201BC-3-3

Heart Brain Connection - Anxiety, Insomnia and AF

Yasushi Suzuki (Japan)

THU-201BC-3-4

Body Weight Reduction, Exercise and AF

Prash Sanders (Australia)

THU-201BC-3-5

Future of AF Therapy

Paul J. Wang (United States)

AF 10: Chaos and the Mapping Pitfall

Date: Oct-18 | Time: 13:30-15:10

Room: 201DE, 2F, TICC

- Moderators: **Andrea Natale** (United States), **Kee-Joon Choi** (South Korea), **Lian-Yu Lin** (Taiwan)
- THU-201DE-3-1 **Non-PV Triggers in AF Ablation: How to Provoke/Localize/Ablate?**
Francis Marchlinski (United States)
- THU-201DE-3-2 **How to Identify Persistent AF Patients to Be Benefit from PV Based Ablation Strategy Only**
Peter Kistler (Australia)
- THU-201DE-3-3 **How to use the Device to Monitor AF After Ablation**
Carina Blomström Lundqvist (Sweden)
- THU-201DE-3-4 **Pitfall of AF Ablation, Consideration of Anatomy**
Osamu Igawa (Japan)
- THU-201DE-3-5 **How to Isolate the Vein of Marshall by Radiofrequency Catheter Ablation**
Seiji Takatsuki (Japan)
- THU-201DE-3-6 **Atrial Tachycardia Ablation in Congenital Heart Disease using Stereotaxis System**
Kohei Yamashiro (Japan)

Non-Invasive ECG 02: Remote Monitoring and Management

Date: Oct-18 | Time: 13:30-15:10

Room: 201F, 2F, TICC

- Moderators: **Jonathan S. Steinberg** (United States), **Toshiyuki Ishikawa** (Japan), **Terry B.J. Kuo** (Taiwan)
- THU-201F-3-1 **Remote Monitoring in a Collaborative Health Care Model (Mayo Clinic, USA)**
David Hayes (United States)
- THU-201F-3-2 **Remote Monitoring in Japan**
Takeshi Mitsuhashi (Japan)
- THU-201F-3-3 **Smart Health for Home Care in Taiwan**
Terry B.J. Kuo (Taiwan)
- THU-201F-3-4 **The 30 Second Gold Standard Definition of AF: Time for a Change?**
Jonathan S. Steinberg (United States)

Risk Stratification 03: Difficult and Special Scenarios for Stroke Prevention in AF, Part II

Date: Oct-18 | Time: 13:30-15:10

Room: 202, 2F, TICC

- Moderators: **Richard Schilling** (United Kingdom), **Wai-kwong Chan** (Hong Kong), **So-Ryoung Lee** (South Korea)
- THU-202-3-1 **Stroke Prevention in AF in Patients at High Risk of Falls**
Yi-Hsin Chan (Taiwan)
- THU-202-3-2 **Stroke Prevention in AF in Patients with One Additional Risk Factor Beyond Gender**
Peter Brønnum Nielsen (Denmark)
- THU-202-3-3 **Stroke Prevention in AF in Patients with Valvular Heart Disease**
Sunu Budhi Raharjo (Indonesia)
- THU-202-3-4 **How to Screen for AF in High Risk Population?**
Ben Freedman (Australia)
- THU-202-3-5 **Stroke Prevention in AF in Patients who Experienced Gastrointestinal Bleeding**
Richard Schilling (United Kingdom)

Device 09: SCD and ICD: From Researches to Patient Care

Date: Oct-18 | Time: 13:30-15:10

Room: 203, 2F, TICC

- Moderators: **Lars Køber** (Denmark), **Hauda El Rasyid** (Indonesia), **Yuji Nakazato** (Japan)
- THU-203-3-1 **Wearable Cardioverter Defibrillator(WCD) and SCD**
Johannes Sperzel (Germany)
- THU-203-3-2 **SCD and ICD in Korea**
Jong-Il Choi (South Korea)
- THU-203-3-3 **Who Will Benefit from ICD Implantation after Acute Coronary Syndrome? An Asian Perspective**
Jo Jo Hai (Hong Kong)
- THU-203-3-4 **ICD Indication Depending on Age**
Kazuo Matsumoto (Japan)
- THU-203-3-5 **How to Increase the Value: Troubleshooting of ICD**
Ippei Tsuboi (Japan)

Device 10: Para-His Pacing: Ongoing and Recommended Solution

Date: Oct-18 | Time: 13:30-15:10

Room: South Lounge, 3F, TICC

- Moderators: **Joseph YS Chan** (Hong Kong), **Vadagenalli S Prakash** (India), **Naoya Tsuboi** (Japan), **Toshiaki Sato** (Japan)
- THU-SL-3-1 **His-Bundle Pacing In Patients with Systolic HF**
Chin Pang Chan (Hong Kong)
- THU-SL-3-2 **Essential Anatomical Information of AV Junction for His Bundle Pacing**
Osamu Igawa (Japan)
- THU-SL-3-3 **Does His Bundle Pacing Replace the CRT Therapy?**
Hiroshi Tasaka (Japan)
- THU-SL-3-4 **Arrhythmic Risk Reduction by Cardiac Re-Synchronization via His Bundle Pacing**
James P. Daubert (United States)
- THU-SL-3-5 **Permanent His Bundle Pacing: Feasibility, Safety and Outcomes**
Pugazhendhi Vijayaraman (United States)

Device 11: New Concepts of Technology for CRT

Date: Oct-18 | Time: 13:30-15:10

Room: North Lounge, 3F, TICC

- Moderators: **T. S. Kler** (India), **Toshiko Nakai** (Japan), **Jin-Long Huang** (Taiwan)
- THU-NL-3-1 **Leadless LV Endocardial Stimulation for CRT, the Future?**
Chu-Pak Lau (Hong Kong)
- THU-NL-3-2 **The Novel Echocardiographic Parameters in Selecting Patients for CRT**
Toshinari Onishi (Japan)
- THU-NL-3-3 **How to Manage RV Pacing in CRT?**
Kathy Lai Fun Lee (Hong Kong)
- THU-NL-3-4 **The Application of SPECT in Quantifying Myocardial Asynchrony in CRT**
Shenhua Zhou (China)
- THU-NL-3-5 **MultiPoint Pacing and Cardiac Resynchronization Therapy**
Johannes Sperzel (Germany)

Smart Healthcare 01: Artificial Intelligence in Electrogram Waveform

Date: Oct-18 | Time: 13:30-15:10

Room: Banquet Hall, 3F, TICC

- Moderators: **Nicholas Jackson** (Australia), **Teiichi Yamane** (Japan), **Chan-Hee Lee** (South Korea)
- THU-BH-3-1 **AIoT for the Medical World**
Yung-Jen Hsu (Taiwan)
- THU-BH-3-2 **Fibroblast Hypothesis of AF Chronicity: From in Silico to Clinical Real-Time Phase Mapping Studies**

THU-BH-3-3	Takashi Ashihara (Japan) Ultra-Rapid High Density Mapping System with the Phase Singularity Technique in AF Li-Wei Lo (Taiwan)
THU-BH-3-4	Simulation Modeling Studies for AF Wave-Dynamics and Interventions Hui-Nam Pak (South Korea)
THU-BH-3-5	Morphological Waveform Periodicity Predicts Locations of Rotors During AF Men-Tzung Lo (Taiwan)
THU-BH-3-6	Emerging ECG Database for Automatic Annotation Jean-Philippe Couderc (United States)

Allied Professionals 03: CIED Programming and Follow-up

Date: Oct-18 | Time: 13:30-15:10

Room: Conference 1, 2F, TWTC

Moderators: **Dulce Obias-Manno** (United States), **Raja J Selvaraj** (India), **Anees Thajudeen** (India), **Swee-Chong Seow** (Singapore), **Shih-Jie Jhuo** (Taiwan)

THU-C1-3-1	Basic Device Concept: CIED Operation and Clinical Guidelines Kelvin Wong (Singapore)
THU-C1-3-2	Basic Device Concept: System Evaluation (Impedance/Sensing/Threshold) Kazuyasu Yoshitani (Japan)
THU-C1-3-3	Leadless Pacemaker Consideration Daniel Chong (Singapore)
THU-C1-3-4	ICD Troubleshooting: Shock Reduction Strategy Aparna Jaswal (India)
THU-C1-3-5	CRT Troubleshooting: Device Optimization and Diaphragm Stimulation Muhammad Yamin (Indonesia)
THU-C1-3-6	The Continued Search for Physiological Pacing: Where are we now? Marleen E. Irwin (Canada)

Young EP Club 03: Learn to Become an Expert in the Field of Cardiac Arrhythmia?

Date: Oct-18 | Time: 13:30-15:10

Room: Conference 2, 2F, TWTC

Moderators: **Maurits Allessie** (Netherlands), **Gregory Yoke Hong Lip** (United Kingdom), **Shih-Ann Chen** (Taiwan)

THU-C2-3-1	How to Become a Master in the Field of Arrhythmia Epidemiology Christine Albert (United States)
THU-C2-3-2	How to Become a Master in the Field of Arrhythmia Ablation Shih-Ann Chen (Taiwan)
THU-C2-3-3	How to Become a Master in the Field of Basic Research Maurits Allessie (Netherlands)
THU-C2-3-4	How to Become a Master in the Field of Big Data Analysis Gregory Yoke Hong Lip (United Kingdom)
THU-C2-3-5	How to become a Master in the Field of Ventricular Arrhythmia Management Paolo Della Bella (Italy)

Syncope 03: How to Increase Value in Syncope Unit

Date: Oct-18 | Time: 13:30-15:10

Room: Conference 3, 2F, TWTC

Moderators: **Yoshiyasu Aizawa** (Japan), **Bonpei Takase** (Japan), **Sam Soo Kim** (South Korea), **Yung-Lung Chen** (Taiwan)

THU-C3-3-1	The Role of Implantable Loop Recorder in Patients with Syncope
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Andrew Teh (Australia)

THU-C3-3-2 **Role of Tilt Table Test in Determining and Managing Syncope**

Suresh Kottegoda (Sri Lanka)

THU-C3-3-3 **Pacemaker Therapy in Vasovagal Syncope: For Whom and When**

Antonio Raviele (Italy)

THU-C3-3-4 **Non-Invasive Electrocardiology for Evaluation of Syncope**

Kenji Yodogawa (Japan)

THU-C3-3-5 **Detection of Autonomic Syndromes and Syncope in Syncope Unit**

Susan Corcoran (Australia)

THU-C3-3-6 **Vasovagal Syncope Is Associated with Poor Prognosis in Patients with Left Ventricular Dysfunction**

Koichi Mizumaki (Japan)

LAA 01: How to Image LAA

Date: Oct-18 | Time: 13:30-15:10

Room: Conference 5, 2F, TWTC

Moderators: **Ali Oto** (Turkey), **Venkat N. Tholakanahalli** (United States), **Jen-Yuan Kuo** (Taiwan)

THU-C5-3-1 **Understanding the LAA Anatomy**

Samuel J. Asirvatham (United States)

THU-C5-3-2 **Morphologic Remodeling of LAA in Patients with AF**

Takanao Mine (Japan)

THU-C5-3-3 **Pre and Post Procedural CT/MRI for Assessment of LAA Exclusion**

Vincent Paul (Australia)

THU-C5-3-4 **3D Printing: Just Another Tool or Really Helpful?**

Claudio Tondo (Italy)

Panel Discussion

Drug 03: Risk of Systemic Thromboembolism and OAC Use Before, During and After AF Ablation

Date: Oct-18 | Time: 13:30-15:10

Room: Joy Lounge, 4F, TICC

Moderators: **Kenichi Hiroshima** (Japan), **Jaemin Shim** (South Korea), **Shee Juhn Chung** (South Korea), **Chuen-Wang Chiou** (Taiwan)

THU-JL-3-1 **Is TEE Mandatory for Every AF Patient before Catheter Ablation?**

Chi-Keong Ching (Singapore)

THU-JL-3-2 **AF Ablation for Patients Under NOACs: Could We Rely on ACT?**

Po-Tseng Lee (Taiwan)

THU-JL-3-3 **Uninterrupted NOACs Versus Warfarin - Insights from the Randomized Trials**

Luigi Di Biase (United States)

THU-JL-3-4 **Long-Term Risk of Stroke/Systemic Thromboembolism after AF Ablation**

Atul Verma (Canada)

THU-JL-3-5 **Oral Anticoagulation after AF Ablation. Is it Possible to Discontinue?**

Sakis Themistoclakis (Italy)

THU-JL-3-6 **Risk of Stroke after Catheter Ablation for AF: Insight from the Kansai Plus AF Registry**

Satoshi Shizuta (Japan)

Learning from the Experts and Legends 03

Date: Oct-18 | Time: 13:30-15:10

Room: Plenary Hall, 3F, TICC

Moderators: **Kenzo Hirao** (Japan), **Young-Hoon Kim** (South Korea), **Chen-Chuan Cheng** (Taiwan)

THU-PH-3-1 **Best Practice for Treatment of Persistent AF**

Hugh Calkins (United States)

- THU-PH-3-2 **Sinus Rhythm is a Bridge to the Future in AF Patients**
Eric Prystowsky (United States)
- THU-PH-3-3 **Benefits and Contributions of Cryo-Balloon Ablation for AF Patients**
Yoshito Iesaka (Japan)
- THU-PH-3-4 **Success of Rhythm Control in Patients with AF - How to Improve?**
Isabelle Van Gelder (Netherlands)

Cross-Strait Chinese Session 03: 植入性電子儀器臨床成效和追蹤

Date: Oct-18 | Time: 13:30-15:10

Room: VIP, 4F, TICC

- Moderators: 黃德嘉 Dejia Huang, 楊杰孚 Jiefu Yang, 陳建鈞 Jien-Jiun Chen, 劉言彬 Yen-Bin Liu
- THU-VIP-3-1 **心肌梗死患者猝死的預防—EPCI 項目**
黃德嘉 Dejia Huang
- THU-VIP-3-2 **左室 MPP 起搏是否能進一步提高血液動力學?**
華偉 Wei Hua
- THU-VIP-3-3 **植入式心電監測儀在暈厥診斷中的價值**
楊杰孚 Jiefu Yang
- THU-VIP-3-4 **心因性猝死的預防—台灣地區經驗**
王俊傑 Chun-Chieh Wang
- THU-VIP-3-5 **電極導線移除時所面臨的難題**
許靜 Jing Xu

Chaired Poster 02: AF Ablation

Date: Oct-18 | Time: 15:00-16:00

Room: Chaired Poster Station, 1F, TWTC

- Moderators: Young Keun On (South Korea), An-Ning Feng (Taiwan), Stuart P Thomas (Australia)
- THU-CP02-01 **Efficacy of 2nd Generation Cryoballoon Catheter Ablation for Atrial Fibrillation; Single Center, over 1000 Cases Experience**
Hiroataka Yano, Junichi Nitta, Giichi Nitta, Shunichi Kato, Takashi Ikenouchi, Kazuya Murata, Junji Matsuda, Miki Kano, Tomomasa Takamiya, Yukihiro Inamura, Nobutaka Kato, Ken Negi, Akira Sato, Tsunehiro Yamato, Yutaka Matsumura, Japanese Red Cross Saitama Hospital (Japan)
- THU-CP02-02 **Enhanced Accuracy of Impedance Based Electroanatomic Mapping (EAM) by Shift of Positional Reference Electrode from Coronary Sinus to Azygous Vein**
Brian Wisnoskey, St. Jude Medical (United States), Raymond Rizzo, Abbott (United States), Niraj Varma, Cleveland Clinic (United States)
- THU-CP02-03 **Catheter Ablation with Ultra-High Density Mapping: Workflow and Validation in Clinical Practice. Insights from the True HD Study**
Yasuaki Tanaka, Atsushi Takahashi, Yokosuka Kyosai Hospital (Japan), Stanislav Weiner, Trinity Mother Frances Health System (United States), Tom McElderry, William Maddox, University of Alabama at Birmingham (United States), Pierre Jais, Université de Bordeaux (France), Tom Wong, Royal Brompton and Harefield foundation Trust and Imperial College (United Kingdom), Jose Ignacio Garcia-Bolao, Clinica Universitaria de Navarra (Spain), Sang Yong Ji, Torrance Memorial Medical Center (Canada), Frederic Sacher, CHU/ Université de Bordeaux (France), Stephan Willems, Universitaetsklinik Eppendorf (Germany), John Mounsey, University of North Carolina Hospital (United States), Philippe Maury, Centre Hôpital Universitaire Ranguel (France), Rami Guirguis, Boston Scientific Corp. (United States), Gerhard Hindricks, Herzzentrum Universität Leipzig (Greece)
- THU-CP02-04 **Predictors of Recurrence in a Very Long-term Follow-up After Catheter Ablation in Persistent Atrial Fibrillation Patients with Coronary Artery Disease**
Chieh-Mao Chuang, Chin-Yu Lin, Yenn-Jiang Lin, Fa-Po Chung, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu,

Tze-Fan Chao, Da-Chuan Duan, Jo-Nan Liao, Ting-Yung Chang, Cheng-I Wu, Chih-Min Liu, Chung-Hsing Lin, Jennifer Jeanne Vicera, Chun-Chao Chen, Chye Gen Chin, Po-Tseng Lee, Shin-Huei Liu, Wen-Han Cheng, Le Phat Tai, Sung-Hao Huang, Ching-Yao Chou, Allie Niu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

THU-CP02-05 **Predicting Factors of Transmural Thermal Injury after Pulmonary Vein Isolation with Cryoballoon Ablation**

Takashi Kaneshiro, Yoshiyuki Matsumoto, Naoko Hijioka, Minoru Nodera, Shinya Yamada, Masashi Kamioka, Akiomi Yoshihisa, Hitoshi Suzuki, Yasuchika Takeishi, Fukushima Medical University (Japan)

THU-CP02-06 **High-Definition Mapping of Left Atrium in Patients with Persistent Atrial Fibrillation after Minimally Invasive Epicardial Ablation: A Single Centre Study**

Emily Kotschet, Mohammad Alasti, Jeff Alison, Monash Heart (Australia)

Basic and Translational Medicine 04: Advancing the Use of Biomarkers in Arrhythmia Ideally

Date: Oct-18 | Time: 15:30-17:10

Room: 101A, 1F, TICC

Moderators: **Christopher X. Wong** (Australia), **Ardian Rizal** (Indonesia), **Yu-Cheng Hsieh** (Taiwan)

THU-101A-4-1 **Biologic Markers of SCD Risk**

Choong Hwan Kwak (South Korea)

THU-101A-4-2 **J Wave as a Risk Marker for SCD**

Yoshiyasu Aizawa (Japan)

THU-101A-4-3 **Long QT: Characteristics of Hypothermia-Induced Ventricular Arrhythmias and its Clinical Implications**

Masaomi Chinushi (Japan)

THU-101A-4-4 **Predictive Biomarkers in Patients with HFrEF**

Yasuchika Takeishi (Japan)

VT/VF 11: Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC): From Bench to Bedside

Date: Oct-18 | Time: 15:30-17:10

Room: 101B, 1F, TICC

Moderators: **Shinji Kaneko** (Japan), **David Heaven** (New Zealand), **Byung Chun Jung** (South Korea)

THU-101B-4-1 **Arrhythmogenic RV Dysplasia: Diagnosis and Management in 2018**

Hugh Calkins (United States)

THU-101B-4-2 **ARVC Substrate and Progression**

Francis Marchlinski (United States)

THU-101B-4-3 **VT Ablation In ARVC/Dysplasia**

Harikrishna Tandri (United States)

THU-101B-4-4 **Genetics in ARVC/Dysplasia in Asian**

Seiko Ono (Japan)

THU-101B-4-5 **Gender Differences in ARVC**

Chin-Yu Lin (Taiwan)

Mapping Strategy 02: Arrhythmogenesis Mapping in Bench and Bedside, Part II

Date: Oct-18 | Time: 15:30-17:10

Room: 101C, 1F, TICC

Moderators: **Andreas Götte** (Germany), **Tohru Ohe** (Japan), **Seongwook Han** (South Korea)

THU-101C-4-1 **Role of Electroanatomical Functional Mapping in Ventricular Arrhythmia Research – Identifying Reentrant Channels and Anchor Sites**

Jim Pouliopoulos (Australia)

THU-101C-4-2 **Optical Mapping Approaches for Understanding Mechanistic Insights into Ventricular Arrhythmias in Myotonic Dystrophy and Type II Diabetes Mice**

Chung-Chuan Chou (Taiwan)

- THU-101C-4-3 **Recent Advances in Mapping for Scar-Mediated VT**
Akihiko Nogami (Japan)
- THU-101C-4-4 **U-Turn Activation in the TV-IVC Isthmus During Rapid Atrial Pacing Would Suggest Functional Duality: Functional and Anatomical Dual Conducting Pathways in the Isthmus**
Fumio Suzuki (Japan)
- THU-101C-4-5 **New Techniques for Substrate Mapping of VT**
Nicholas Jackson (Australia)

Stem Cell 02: Novel Biological Therapy of Arrhythmias, What is New?

Date: Oct-18 | Time: 15:30-17:10

Room: 101D, 1F, TICC

- Moderators: **Karin R. Sipido** (Belgium), **Huei-Sheng Vincent Chen** (United States), **Patrick Ching-Ho Hsieh** (Taiwan)
- THU-101D-4-1 **Regenerative Alternatives to VT Ablation**
Eduardo Marban (United States)
- THU-101D-4-2 **The Roles of Dysfunctional Cardiac Mesenchymal Stromal Cells in ARVC/Dysplasia Pathologies**
Huei-Sheng Vincent Chen (United States)
- THU-101D-4-3 **Optogenetics for the Treatment of Cardiac Arrhythmias**
Lior Gepstein (Israel)
- THU-101D-4-4 **Feasibility of Biopolymer Scaffold-Based Fibroblast Engineering for Creation of Impulse Block and Conducting Pathways**
Douglas L. Packer (United States)
- THU-101D-4-5 **Extracellular Matrix and Cell Transplantation**
Yuji Shiba (Japan)

VT/VF 12: Mapping and Ablation Strategy of Substrate VT

Date: Oct-18 | Time: 15:30-17:10

Room: 102, 1F, TICC

- Moderators: **Stephen Joseph** (Australia), **Satchana Pumprueg** (Thailand), **Hsiang-Chiang Hsiao** (Taiwan)
- THU-102-4-1 **Surgery for Non-Ischemic VT**
Takashi Nitta (Japan)
- THU-102-4-2 **Ablation of Deep Septal VT Substrates in Idiopathic Dilated Cardiomyopathy (IDCM). The Role of Bipolar RF Ablation**
Paolo Della Bella (Italy)
- THU-102-4-3 **Catheter Ablation of Lamin Cardiomyopathy, LV Non Compaction, Hypertrophic Cardiomyopathy and other Unusual Substrates**
Saurabh Kumar (Australia)
- THU-102-4-4 **Chemical Ablation for VT Arising from Left Ventricular Summit**
Kaoru Okishige (Japan)
- THU-102-4-5 **Efficacy of Intensive Radiofrequency Energy Delivery to the Localized Dense Scar Area in Post-Infarction VT Ablation: A Comparative Study with Standard Strategy Targeting the Infarcted Border Zone**
Kazuaki Kaitani (Japan)

HF 06: Novel Agents for Cardiac Dysfunction

Date: Oct-18 | Time: 15:30-17:10

Room: 103, 1F, TICC

- Moderators: **Robert Denniss** (Australia), **Ki Hong Lee** (South Korea), **Chi-Tai Kuo** (Taiwan)
- THU-103-4-1 **Novel Agents for Cardiac Dysfunction: Anti-Arrhythmia or Pro-Arrhythmia?**
Yung-Kuo Lin (Taiwan)

- THU-103-4-2 **Sacubitril/Valsartan on Serum Uric Acid and Clinical Outcomes in Patients with HFrEF**
Lars Køber (Denmark)
- THU-103-4-3 **Steroidal and Nonsteroidal Mineralocorticoid Receptor Antagonists**
Faiez Zannad (France)
- THU-103-4-4 **New Drugs for HF - Experiences by Case Based Approaches**
Jin-Long Huang (Taiwan)

Image and Anatomy 05: Fibrosis and Late Gadolinium Enhancement (LGE)

Date: Oct-18 | Time: 15:30-17:10

Room: 201A, 2F, TICC

- Moderators: Shomu Bohora (India), Koji Higuchi (Japan), Cheng-Chih Chung (Taiwan)
- THU-201A-4-1 **Fibrosis and Sinus Node Dysfunction**
Vadim Fedorov (United States)
- THU-201A-4-2 **Prognostic Implication of LA and LV Fibrosis in AF**
Eugene Kholmovski (United States)
- THU-201A-4-3 **LGE-MRI to Assess the LA and LAA Dysfunction**
Jaemin Shim (South Korea)
- THU-201A-4-4 **Use of MRI for Guidance of VT Ablation in Non-Ischemic Cardiomyopathy and ARVC**
Saman Nazarian (United States)
- THU-201A-4-5 **LGE-MRI or Delayed Enhancement-MRI in Diagnosis of Arrhythmogenesis**
Kunihiko Kiuchi (Japan)

AF 11: Debate – LAA Closure is Ready for Prime Time

Date: Oct-18 | Time: 15:30-17:10

Room: 201BC, 2F, TICC

- Moderators: Tina Lin (Australia), Mitsuharu Kawamura (Japan), Wei-Shiang Lin (Taiwan)
- THU-201BC-4-1 **Pro: AF Patients with ESRD Undergoing Dialysis Should Receive LAA Closure for Stroke Prevention**
Vivek Reddy (United States)
- THU-201BC-4-2 **Con: AF Patients with ESRD Undergoing Dialysis Should Receive LAA Closure for Stroke Prevention**
Li-Wei Lo (Taiwan)
- THU-201BC-4-3 **Pro: LAA Closure is Ready for Prime Time in the Era of NOACs**
Vivek Reddy (United States)
- THU-201BC-4-4 **Con: LAA Closure is Ready for Prime Time in the Era of NOACs**
Chia-Ti Tsai (Taiwan)
- Panel Discussion**

AF 12: Bringing Innovation to Surgical and Epicardial Ablation

Date: Oct-18 | Time: 15:30-17:10

Room: 201DE, 2F, TICC

- Moderators: Dipen Shah (Switzerland), Miguel Valderrabano (United States), Naoya Oketani (Japan), Doosang Kim (South Korea)
- THU-201DE-4-1 **The Role of Endocardium and Epicardium on AF Arrhythmogenesis: Same or Different?**
Edward Gerstenfeld (United States)
- THU-201DE-4-2 **Ganglionated Plexi Ablation and Autonomic Modification**
Sunny Po (United States)
- THU-201DE-4-3 **Hybrid Ablation in Treating Persistent AF: A Registry from Mainland of China**
Xing-Peng Liu (China)
- THU-201DE-4-4 **Recurrence of AF after Undergoing AF Surgery Concomitant with Mitral Valve Surgery**
Takashi Nitta (Japan)

- THU-201DE-4-5 **Consideration of Non-PV Foci in Persistent AF Patients Undergoing Multiple Procedures**
Kikuya Uno (Japan)
- THU-201DE-4-6 **Efficacy of Combined Endo and Epi Ablation Strategy in Recurrent Patients for Re-Redo AF Ablation**
Chenyang Jiang (China)

Late-Breaking Session: Late-Breaking Research

Date: Oct-18 | Time: 15:30-17:10

Room: 201F, 2F, TICC

Moderators: **Mien-Cheng Chen** (Taiwan), **Atul Verma** (Canada) (Judge), **Mihail G. Chelu** (United States) (Judge), **Antonio Raviele** (Italy) (Judge)

- THU-LBO-01 **A Multicenter Study of the Need for Additional Freezing for Cryoballoon Ablation in Patients with Paroxysmal Atrial Fibrillation: The AD-Balloon Study**
Koji Miyamoto, Yoshiaki Morita, Tsuyoshi Mishima, Kenzaburo Nakajima, Takashi Noda, Masanori Asakura, Satoshi Yasuda, Kengo Kusano, National Cerebral and Cardiovascular Center (Japan), Atsushi Doi, Masahiko Takagi, Osaka City University Graduate School of Medicine (Japan), Kanae Hasegawa, Hiroshi Tada, University of Fukui (Japan)
- THU-LBO-02 **Identification of Clinical and Electrocardiographic Risk Factors Associated with Shockable VT/VF Rhythm in Witnessed Out-of-Hospital Cardiac Arrest Patients: The Threaten Study**
Kuan-Cheng Chang, Mei-Yao Wu, Yen-Nien Lin, Shih-Sheng Chang, China Medical University Hospital (Taiwan), Ming-Shien Wen, Chang Gung Memorial Hospital (Taiwan), Mien-Cheng Chen, Wei-Chieh Lee, Chang Gung Memorial Hospital, Kaohsiung (Taiwan), Chia-Ti Tsai, National Taiwan University Hospital (Taiwan), Tsu-Juey Wu, Taichung Veterans General Hospital (Taiwan)
- THU-LBO-03 **Repeat Ablation for Atrial Fibrillation Recurrence Post Cryoballoon or Radiofrequency Ablation in the Fire and Ice Trial**
Karl-Heinz Kuck, Asklepios Klinik St. Georg (Germany), Jean-Paul Albenque, Clinique Pasteur, Toulouse (France), KR Julian Chun, Cardioangiologisches Centrum Bethanien (Germany), Matthias Busch, Universitätsmedizin Greifswald (Germany), Thomas Arentz, University Heart Center Freiburg/Bad Krozingen (Germany), Claudio Tondo, Centro Cardiologico Monzino, IRCCS & University of Milan (Italy), Josep Brugada, Hospital Clínic de Barcelona (Spain)
- THU-LBO-04 **Ripple-At Study: Efficacy of 3D-Mapping Techniques for the Diagnosis of Atrial Tachycardia Mechanism**
Vishal Luther, Michael Koa-Wing, Phang-Boon Lim, Nicholas Peters, Fu Siong Ng, Norman Qureshi, Zachary Whinnett, Nick Linton, Prapa Kanagaratnam, Imperial College Healthcare (United Kingdom), Sharad Agarwal, James Mason, Papworth, Cambridge (United Kingdom), Anthony Chow, Neil Srinivasan, Hakam Abbass, Barts Heart Centre (United Kingdom), Nuno Cortez-Dias, Hospital De Santa Maria (United Kingdom), Luís Carpinteiro, João de Sousa, Hospital De Santa Maria (United Kingdom), Richard Balasubramaniam, Girish Babu, Royal Bournemouth Hospital (United Kingdom), David Farwell, Essex Cardiothoracic Centre (United Kingdom), Shahnaz Jamil-Copley, Nottingham University Hospitals (United Kingdom)
- THU-LBO-05 **Prognostic Impact of Paroxysmal Versus Sustained Atrial Fibrillation on the Incidence of Cardiac Death and Heart Failure Hospitalization: The Fushimi AF Registry**
Yoshimori An, Hisashi Ogawa, Masaharu Akao, National Hospital Organization Kyoto Medical Center (Japan), Masahiro Esato, Ijinkai Takeda General Hospital (Japan)
- THU-LBO-06 **Evaluating the Benefit of Primary Prevention ICD Therapy in Asia, South America, Eastern Europe, and Africa: Results from the Improve SCA Clinical Study**
Shu Zhang, Beijing Fuwai Hospital (China), Chi-Keong Ching, National Heart Centre of Singapore (Singapore), Dejjia Huang, West China Hospital (China), Yen-Bin Liu, National Taiwan University Hospital (Taiwan), Diego Rodriguez, Instituto de Cardiología Fundación Cardio infantil (Colombia), Azlan Hussin, Institut Jantung Negara (Malaysia), Young-Hoon Kim, Korea University Medical Center (Korea), Alexandr Robertovich Chasnoits, Republican Scientific Practical Centre Cardiology (Belarus), Katy

Muckala, Mark Brown, Daniel Lexcen, Jeffrey Cerkenik, Medtronic (United States), Balbir Singh, Medanta (India)

Risk Stratification 04: Debate – Long-Term OAC Is Necessary for AF Males with a CHA₂DS₂-VASc Score of 1 After AF Ablation

Date: Oct-18 | Time: 15:30-17:10

Room: 202, 2F, TICC

- Moderators: **Sung-Won Jang** (South Korea), **Chin-Feng Tsai** (Taiwan), **Ying-Hsiang Lee** (Taiwan)
- THU-202-4-1 **Pro: Long-Term OAC is Necessary for AF Males with a CHA₂DS₂-VASc Score of 1 after AF Ablation**
Cheng-Hung Li (Taiwan)
- THU-202-4-2 **Con: Long-Term OAC is Necessary for AF Males with a CHA₂DS₂-VASc Score of 1 after AF Ablation**
Dhanunjaya Lakkireddy (United States)
- THU-202-4-3 **Pro: Long-Term OAC is Necessary for AF Males with a CHA₂DS₂-VASc Score of 1 after AF Ablation - Rebuttal**
Cheng-Hung Li (Taiwan)
- THU-202-4-4 **Con: Long-Term OAC is Necessary for AF Males with a CHA₂DS₂-VASc Score of 1 after AF Ablation - Rebuttal**
Dhanunjaya Lakkireddy (United States)
- THU-202-4-5 **Long-Term Risk of Cardiovascular Events After AF Ablation**
Wen-Yu Lin (Taiwan)
- THU-202-4-6 **Risk of Stroke in AF Patients with 1 Additional Risk Factor Beyond Gender**
Hiroshi Inoue (Japan)

Device 12: Predicting Response/ Resistant ICD Therapies

Date: Oct-18 | Time: 15:30-17:10

Room: 203, 2F, TICC

- Moderators: **Vikas Kataria** (India), **Eiichi Watanabe** (Japan), **Sirin Apiyasawat** (Thailand)
- THU-203-4-1 **Cardiac MRI to Risk Stratify Sudden Death**
Andrew McGavigan (Australia)
- THU-203-4-2 **Can We Predict and Prevent Ventricular Arrhythmias by ICD-Derived Parameters?**
Ngai Yin Chan (Hong Kong)
- THU-203-4-3 **Defibrillation Threshold Testing: Abandon? or When?**
Vern Tan (Singapore)
- THU-203-4-4 **Risk Prediction for SCD in Non-Ischemic Cardiomyopathy**
Rajeev Kumar Pathak (Australia)
- THU-203-4-5 **Trends and Predictors of ICD Therapy after Sudden Cardiac Arrest**
Lars Køber (Denmark)

Device 13: Lead Extraction: How to Avoid Complications

Date: Oct-18 | Time: 15:30-17:10

Room: South Lounge, 3F, TICC

- Moderators: **Arisara Suwanagool** (Thailand), **Masahiko Goya** (Japan), **Morio Shoda** (Japan), **Dean Boddington** (New Zealand)
- THU-SL-4-1 **Preparation and Avoidance of Lead Extraction Emergencies**
Bruce Wilkoff (United States)
- THU-SL-4-2 **Long-term Follow-up after Lead Extraction**
Russell Denman (Australia)
- THU-SL-4-3 **Nonfunctional Leads: Extract or Abandon?**
Neil Strathmore (Australia)

- THU-SL-4-4 **Lead Extraction - Avoiding Trouble**
Nigel Lever (New Zealand)
- THU-SL-4-5 **Pacemaker Lead Management in Pediatric Population**
Jun Yoshimoto (Japan)

Device 14: Perspectives on CRT Clinical Trial

Date: Oct-18 | Time: 15:30-17:10

Room: North Lounge, 3F, TICC

- Moderators: **Kenneth Dickstein** (Norway), **James Leitch** (Australia), **Sum Kin Leung** (Hong Kong), **Katsunori Okajima** (Japan)
- THU-NL-4-1 **CRT Survey II: A European Society of Cardiology Survey of Cardiac Resynchronisation Therapy in 11 088 Patients - Who is Doing What to Whom and How?**
Kenneth Dickstein (Norway)
- THU-NL-4-2 **MultiPoint Pacing: What Does the Evidence Tell Us?**
Maurizio Giuseppe Angelo Lunati (Italy)
- THU-NL-4-3 **GUIDE-CRT II: Image Fusion of SPECT MPI and Fluoroscopy Venography to Guide LV Lead Placement for Improved CRT Response**
Jiangang Zou (China)
- THU-NL-4-4 **Clinical Impact of an Additional Left Ventricular Lead in Cardiac Resynchronization Non-Responders: The V3 Trial**
Christophe Leclercq (France)
- THU-NL-4-5 **Clinical Trials on the Advance of Cardiac Contractility Modulation to Treat HF**
Wei Hua (China)

Highlight Session 03: Cybersecurity and Implantable Medical Devices

Date: Oct-18 | Time: 15:30-17:10

Room: Banquet Hall, 3F, TICC

- Moderators: **Thomas F. Deering** (United States), **Boyoung Joung** (South Korea), **Chi-Woon Kong** (Taiwan), **Chun-Chieh Wang** (Taiwan)
- THU-BH-4-1 **Cybersecurity: How Should We Address Patients Concerns**
Thomas F. Deering (United States)
- THU-BH-4-2 **Cybersecurity Concerns and Medical Devices: What Can Be Done?**
Robert Mai (United States)
- THU-BH-4-3 **Cybersecurity and Medical Devices: Weighing the Cyber Risk Versus Clinical Benefit of Device Therapy and Remote Care**
Peter-Paul Delnoy (Netherlands)
- THU-BH-4-4 **Cybersecurity and Societies Role: How Cardiac Societies in USA and EU are Addressing Cybersecurity and Patient Privacy**
Dale Yoo (United States)
- THU-BH-4-5 **Cybersecurity CIED and Industry: Joint Efforts to Improve Cybersecurity and Insight from US Experience**
Dhanunjaya Lakkireddy (United States)

Allied Professionals 04: CIED Programming and Follow-up Hands-on

Date: Oct-18 | Time: 15:30-17:10

Room: Conference 1, 2F, TWTC

- Moderators: **Marleen E. Irwin** (Canada), **Raja J Selvaraj** (India), **Muhammad Yamin** (Indonesia), **Daniel Chong** (Singapore), **Ying-Chieh Liao** (Taiwan)
- THU-C1-4-1 **Minimizing Inappropriate ICD Shocks: Best Practices**
Dulce Obias-Manno (United States)

THU-C1-4-2	Special Consideration: Magnet Application and MRI Programming Swee-Chong Seow (Singapore)
THU-C1-4-3	Programmer Workshop: Introduction and Case Scenario Practice Medtronic
THU-C1-4-4	Programmer Workshop: Introduction and Case Scenario Practice Abbott
THU-C1-4-5	Programmer Workshop: Introduction and Case Scenario Practice BIOTRONIK

YIA 01: Basic and Translational Medicine

Date: Oct-18 | Time: 15:30-17:10

Room: Conference 2, 2F, TWTC

Judges: **Eddy Kizana** (Australia) (Moderator), **Naomasa Makita** (Japan) (Moderator), **Yen-Yu Lu** (Taiwan) (Moderator), **Dejia Huang** (China), **Dennis Lau** (Australia)

YIA-01-02	HDAC6 Activation Is Important for Pacing-Induced Atrial Fibrillation in Mice Yohei Sawa , Nanae Ishida, Miho Ibi, Naoko Matsushita, Maki Saito, Atsushi Sanbe, Yoshihiro Morino, Eiichi Taira, Masamichi Hirose, Iwate Medical University (Japan)
YIA-01-03	Neuroendocrine Modulation Following Left Atrial Appendage Exclusion Increases Ventricular Arrhythmogenesis Shin Huei Liu , Li-Wei Lo, Yu-Hui Chou, Tsung-Ying Tsai, Wen-Han Cheng, Wei-Lun Lin, Tzu-Yen Peng, Pin-Yi Lin, Shinya Yamada, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
YIA-01-04	ZFHX3 Modulates Tachypacing Induced-Mitochondrial Dysregulation in HL-1 Cardiomyocytes Baigalmaa Lkhagva , Yu-Hsun Kao, Taipei Medical University (Taiwan), Yung-Kuo Lin, Yi-Jen Chen, Wan Fang Hospital, Taipei Medical University (Taiwan), Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
YIA-01-05	Analysis of Disease-Causing Mechanism of Lamin A/C-Related Cardiomyopathy Using Homozygous Lamin A/C Knockout Human Induced Pluripotent Stem Cell Model Yimin Wuriyanghai , Takeru Makiyama, Yuta Yamamoto, Suguru Nishiuchi, Sayako Hirose, Hirohiko Kohjitani, Jingshan Gao, Asami Kashiwa, Takeshi Kimura, Kyoto University (Japan), Seiko Ohno, National Cerebral and Cardiovascular Center (Japan), Minoru Horie, Shiga University of Medical Science (Japan)
YIA-01-06	Apelin Treatment Increases Atrial Conduction Velocity, Refractoriness and Prevents Inducibility of Atrial Fibrillation Young Kim , USC Keck Medicine (United States), Robert Lakin, University of Toronto (Canada), Euan Ashley, Stanford University (United States), Peter Backx, York University (Canada)

Special Session 01: Emerging Leaders (Sponsor: Medtronic)

Date: Oct-18 | Time: 15:30-17:10

Room: Conference 3, 2F, TWTC

Moderator:	Eric Prystowsky (United States)
Panelists:	Shih-Ann Chen (Taiwan), Wee Siong Teo (Singapore), Chu-Pak Lau (Hong Kong), Young-Hoon Kim (South Korea)
THU-C3-4-1	Welcome & Introductions Eric Prystowsky (United States)
THU-C3-4-2	Young Male with Incessant VT: Choose Your Own Adventure Ting-Yung Chang (Taiwan)
THU-C3-4-3	ECGI Guided His and Peri-Left Bundle Branch Pacing Chin Pang Chan (Hong Kong)
THU-C3-4-4	What is the Tachycardia? Eric Tien Siang Lim (Singapore)

- THU-C3-4-5 **Percutaneous Stellate Ganglion Block Suppressing VT in a Patient Refractory to VT Ablation**
Daein lee (South Korea)
- THU-C3-4-6 **Case Comment & Closing**
Eric Prystowsky (United States)

LAA 02: Current Consensus for LAA Occlusion and Future Direction

Date: Oct-18 | Time: 15:30-17:10

Room: Conference 5, 2F, TWTC

- Moderators: Narawudt Prasertwitayakij (Thailand), Kentaro Hayashi (Japan), Kun-Tai Lee (Taiwan)
- THU-C5-4-1 **LAA Closure: Who, When and How**
Venkat N. Tholakanahalli (United States)
- THU-C5-4-2 **What We Learnt from Literature on LAA Closure Studies**
Rong Bai (China)
- THU-C5-4-3 **LAA Occlusion in the Era of NOACs**
Ali Oto (Turkey)
- THU-C5-4-4 **LAA Closure in Valvular Heart Disease**
Yu Liu (China)
- THU-C5-4-5 **Rationale of Combined AF Ablation and LAA Closure**
Claudio Tondo (Italy)

Drug 04: Do You Understand NOACs Enough? Every Aspect of NOACs for Stroke Prevention in AF

Date: Oct-18 | Time: 15:30-17:10

Room: Joy Lounge, 4F, TICC

- Moderators: Charn Sriratanasathavorn (Thailand), Yasuo Okumura (Japan), Chang Hee Kwon (South Korea)
- THU-JL-4-1 **Measurement of Biomarker for NOACs – Is it Useless?**
Hiroyuki Osanai (Japan)
- THU-JL-4-2 **Monitoring Is Not Necessary for NOACs – Is it Real?**
Yu-Feng Hu (Taiwan)
- THU-JL-4-3 **How to Manage Intracerebral Hemorrhage/Life-Threatening Bleeding for Patients Under NOACs?**
Dae-Hee Shin (South Korea)
- THU-JL-4-4 **Safety and Efficacy of Under Dosing NOACs in Patients Undergoing Catheter Ablation for AF**
Hirosuke Yamaji (Japan)
- THU-JL-4-5 **The Duration of Interruption of NOACs Before Scope Examination of Gastrointestinal Tract**
David Foo (Singapore)
- THU-JL-4-6 **AF Patient Perspectives on Anticoagulation and Adherence**
Mellanie True Hills (United States)

Cross-Strait Chinese Session 04: 臨床心衰植入性電子儀器討論會：如何選擇

Date: Oct-18 | Time: 15:30-17:10

Room: VIP, 4F, TICC

- Moderators: 陳柯萍 Keping Chen, 蘇藍 Lan Su, 陳儒逸 Ju-Yi Chen, 祁栢慶 Po-Ching Chi
- THU-VIP-4-1 **希氏束起搏能否作為 CLBBB 心衰患者的首選**
蘇藍 Lan Su
- THU-VIP-4-2 **CRT 左心室電極導線植入所面臨的難題**
王景峰 Jinfeng Wang
- THU-VIP-4-3 **心臟再同步化治療超反應的機制是什麼？**
薛小臨 Xiaolin Xue
- THU-VIP-4-4 **心臟衰竭合併心房纖維顫動-雙心室節律器角色**
祁栢慶 Po-Ching Chi
- THU-VIP-4-5 **左心室心內膜起搏和心外膜起搏於心衰竭之應用**

Opening Ceremony

Date: Oct-18 | Time: 17:20-19:00

Room: Plenary Hall, 3F, TICC

THU-PH-4-1

Keynote Address: Ablatable Targets in Patients with Persistent AF: Do They Exist?

Maurits Allessie (Netherlands)

Special Session 02: How to Submit Your Paper: The Chief Editor's View

Date: Oct-18 | Time: 19:30-20:30

Room: North Lounge, 3F, TICC

Moderators: **Prash Sanders** (Australia), **Hung-Fat Tse** (Hong Kong)

Speakers:

Paul J. Wang (United States), **Peng-Sheng Chen** (United States), **Gerhard Hindricks** (Germany), **John Camm** (United Kingdom), **Shih-Ann Chen** (Taiwan), **Eric Prystowsky** (United States), **Bradley P. Knight** (United States), **Kazuo Matsumoto** (Japan), **Andrea Natale** (United States)

Panelists:

Eric Tien Siang Lim (Singapore), **Warangkna Boonyapisit** (Thailand), **Masahide Harada** (Japan), **Gary Tse** (Hong Kong), **Myung-Jin Cha** (South Korea), **Dicky A. Hanafy** (Indonesia), **Yi-Hsin Chan** (Taiwan), **Shih-Yu Huang** (Taiwan), **Wei-Ta Chen** (Taiwan)

Satellite Symposium 02: Malaysian Physicians' Training on 3D Mapping Technology – Many Arrhythmias, One Solution – CONFIDENSE® Module with Ripple Mapping (Sponsor: Biosense Webster)

Date: Oct-18 | Time: 14:45-18:00

Venue: BW Hospitality Room

THU-SS-BW1-1

Registration

Prapa Kanagaratnam (United Kingdom)

THU-SS-BW1-2

Treatment of Atrial Tachycardia

Prapa Kanagaratnam (United Kingdom)

THU-SS-BW1-3

Introduction to Ripple Mapping Module

Prapa Kanagaratnam (United Kingdom)

THU-SS-BW1-4

Case Review with Ripple Mapping Module

Prapa Kanagaratnam (United Kingdom)

THU-SS-BW1-5

Treatment of Complex Arrhythmias

Prapa Kanagaratnam (United Kingdom)

Satellite Symposium 03: Heart Anatomy Training (Sponsor: Biosense Webster)

Date: Oct-18 | Time: 16:00-18:00

Venue: Shangri-La's Far Eastern Plaza Hotel

THU-SS-BW2-1

Interpretation and Demonstration of Ventricles Anatomy

Samuel J. Asirvatham (United States)

Poster Presentation – Late-Breaking Research

Date: Oct-18 | Time: 09:00-12:30

Power Pitch Time: 11:10-11:30

Power Pitch Moderators: **Hui-Nam Pak** (South Korea), **Hsuan-Ming Tsao** (Taiwan)

Venue: Poster Area, 1F, TWTC

THU-LBP-01 **Right Ventricular Dromotropy Remodeling with Chronic Left Ventricular-Only Cardiac Resynchronization**
Tran Thong, Systolic Medical Systems (United States), Huu-Van Bui-Nguyen, Heart Institute of Hochiminh City (Vietnam)

THU-LBP-02 **Prognostic Impact of New-Onset of Atrial Fibrillation in Patients with Acute Coronary Syndromes**
Kuan-Jen Su, Yuan Hung, Wen-Yu Lin, Wei-Shiang Lin, Tri-Service General Hospital, National Defense Medical Center (Taiwan)

THU-LBP-03 **When is it Appropriate to Stop Non-Vitamin K Antagonist Oral Anticoagulants before Catheter Ablation of Atrial Fibrillation?: A Multi-Center Prospective Randomized Study**
Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine (South Korea), Jaemin Shim, Young-Hoon Kim, Korea University Cardiovascular Center (South Korea), Junbeom Park, Ewha Womans University (South Korea)

THU-LBP-04 **Computer Simulation of Anterograde Conduction of the Accessory Pathways in Wolf-Parkinson-White Syndrome with a Simplified Heart Wall Model**
Ryo Haraguchi, University of Hyogo (Japan), Takashi Ashihara, Shiga University of Medical Science (Japan), Taka-aki Matsuyama, Showa University School of Medicine (Hong Kong), Jun Yoshimoto, Shizuoka Children's Hospital (Japan)

THU-LBP-05 **Procedural Outcomes after Cavo Tricuspid Ablation Using Contact Force Sensing Catheter Compared to the Conventional Irrigation Catheter**
Doo Young Han, Min Soo Cho, Jun Kim, Gi Byung Nam, Kee Jun Choi, You Ho Kim, University of Ulsan College of Medicine (South Korea)

THU-LBP-06 **PYR3 Attenuated PM-Induced Arrhythmias in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes**
Jiayi Huang, Cheng Cai, Nanjing Medical University (China)

THU-LBP-07 **Left Sided Ablation for Atrioventricular Nodal Re-Entrant Tachycardia: Frequency and Characteristics**
Kumar Narayanan, Papani Sreedhar, Nithin Annarapu, Shiva Prasad Naidu, Edla Arjun Padmakumar, Madivada Mukharjee, Sharath Reddy, Premchand M, Ramagiri Balaji, Anil Krishna G, MaxCure Hospitals (India)

THU-LBP-09 **Circumferential Pulmonary Vein Antrum Ablation for the Treatment of Paroxysmal Atrial Fibrillation: Single Endpoint or Dual Endpoints? Lessons From Force-PVA Trial**
Minglong Chen, Weizhu Ju, Qiang Xu, Fangyi Xiao, Bing Yang, Hongwu Chen, Gang Yang, Fengxiang Zhang, Kai Gu, Mingfang Li, Jiangsu Province Hospital (China)

THU-LBP-10 **Low Non-Linear Heart Rate Variability is Associated with 30-Day Major Adverse Cardiovascular Events in Patients with Acute Myocardial Infarction**
Sakta Suryaguna, Putra Antara, Putra Gunadhi, Cardiology and Vascular Medicine of Udayana University (Indonesia)

THU-LBP-11 **Night-To-Night Variability in Severity of Sleep Apneas and Daily Dynamic Atrial Fibrillation Risk - Variosa-AF**
Dominik Linz, Adrian Elliott, Jeroen Hendriks, Melissa Middeldorp, Celine Gallagher, Rajiv Mahajan, Dennis Lau, Prashanthan Sanders, University of Adelaide (Australia), Chrisan Nalliah, Jonathan Kalman, University of Melbourne (Australia), Anthony Brooks, CRM Microport (Australia), Doug McEvoy, Adelaide Institute of Sleep Health (Australia)

THU-LBP-12 A Simple Clinical Risk Score (C₂Hest) for Predicting Incident Atrial Fibrillation in Asian Subjects: Derivation in 471,446 Chinese Subjects and External Application in 451,199 Korean Subjects

Yan-Guang Li, Daniele Pastori, Yu-Tang Wang, Yu-Tao Guo, Chinese PLA General Hospital (China), Alessio Farcomeni, Department of Public Health and Infectious Diseases (Italy), Pil-Sung Yang, CHA Bundang Medical Center (South Korea), Eunsun Jang, Boyoung Joung, Yonsei University Health System (South Korea), Gregory Lip, University of Birmingham (United Kingdom)

THU-LBP-13 Real-World Behavior of CRT Pacing Using the AdaptivCRT Algorithm on Patient Outcomes: Effect on Mortality and AF Incidence

Yong-Mei Cha, Mayo Clinic (United States), David O'Donnell, Austin Hospital (Australia), Shelby Li, Medtronic, plc (United States), Pascal Smeets, Medtronic Bakken Research Center (Netherlands), Maurizio Lunati, Ospedale Niguarda (Italy), Jagmeet Singh, Massachusetts General Hospital Heart Center (United States)

THU-LBP-14 Comparison of Clinical Response between Syncav On-Ecg Based Optimization of CRT Patients Versus Syncav Off - Single Center Experience Six-Month Follow-up Analysis

Balbir Singh, V. K Chopra, Sanjay Mittal, Brajesh Mishra, Vinayak Agarwal, Binay Kumar, Lakshme Kottu, Medanta-The Medicity (India), Sumit Anand, Chander Mohan Thakur, Anushreeta Borah, Abbott, Sylmar (United States)

THU-LBP-15 Reduced Mortality in Patients with Atrial Fibrillation through Management within a Specialised AF-Clinic

Jeroen Hendriks, South Australian Health and Medical Research Institute, University of Adelaide and Royal Adelaide Hospital (Australia)

THU-LBP-16 Multi-Center Evaluation of Multipoint Pacing with Acute Hemodynamic Response and Long-term Follow-up in Asian Heart Failure Patients

Wei Hua, Shu Zhang, Min Gu, Fuwai Hospital CAMS & PUMC (China), Yangang Su, Shanghai Zhongshai Hospital (China), Xiaolin Xue, The First Affiliated Hospital of Xi'an JiaoTong University (China), Lin Cai, The Third People's Hospital of Chengdu (China), Wei Xu, Gulou Hospital (China), Jingfeng Wang, Sun Yat-Sen Memorial Hospital (China), Xuebin Li, Peking University People's Hospital (China), Fan Liu, The Second Hospital of Hebei Medical University (China), Baopeng Tang, The First Affiliated Hospital of Xinjiang Medical University (China), Farong Shen, Zhejiang Greentown Hospital (China), Jing Xu, Tianjin Chest Hospital (China)

Poster Presentation – Device

Date: Oct-18 | Time: 09:00-12:30

Venue: 1F, TWTC

THU-PP01-001 Real World Evaluation of Ventricular Fibrillation Detection after Magnetic Resonance Imaging in Patients with an Mr Conditional ICD or CRT-D

Charles Love, Johns Hopkins Hospital (United States), Marye Gleva, Washington University School of Medicine (United States), Ralf Surber, Friedrich Schiller University (Germany), Yan Zhong, Fang Liu, Daniel Lexcen, Medtronic (United States)

THU-PP01-002 A Study of Potential Electromagnetic Interference Between Cardiac Implantable Electronic Devices and Commercially Available Massage Equipment

Kwang How Mok, Shiun Woei Wong, Pow-li Chia, Bing Sun, David Foo, Tan Tock Seng Hospital (Singapore)

THU-PP01-003 Cardiac Implantable Electronic Device Detected Atrial High Rate Episodes and Clinical Outcomes in Thailand

Tanaphat Lertwitayakumjorn, Sirin Apiyasawat, Ramathibodi Hospital, Mahidol University (Thailand)

THU-PP01-004 Defibrillation Threshold Testing During Implantable Cardioverter Defibrillator Implantation: 3 Year Follow-up in Single Center

SungSoo Kim, Hyung Wook Park, Chosun University Hospital (South Korea)

THU-PP01-005 Short and Long Term Performance of a Subcutaneous Implantable Cardioverter Defibrillator (S-ICD) System in a South East Asian Population - A Single Centre Experience

Jit Beng Ng, Myo Han, Wee Siong Teo, Paul Lim, Eric Lim, Kah Leng Ho, Boon Yew Tan, Daniel Chong, Kelvin Chua, Chi Keong Ching, National Heart Centre Singapore (Singapore)

THU-PP01-008 A Novel Index to Evaluate T Wave Oversensing Episode in ICD Patients

Yaxun Sun, Chenyang Jiang, Xia Sheng, Guosheng Fu, Sir Run Run Shaw Hospital (China), Barajas Hector, Dan Hu, Masonic Medical Research Laboratory (United States)

THU-PP01-009 Evaluation of Internal Jugular Vein Shift After Insertion of I-Gel Airway

Masayuki Ishimura, Yoshiyuki Hama, Masashi Yamamoto, Yoshiharu Himi, Kimitsu Central Hospital (Japan)

THU-PP01-010 Single Centre Experience in Device Therapy for Patients with Cardiac Arrhythmia

Khin Maung Win, Than Than Kyaing, Kyaw Soe Win, Myint Ngwe, Khin Oo Lwin, Hein Htet Aung, Mandalay General Hospital (Myanmar)

THU-PP01-011 Cardiac Implantable Electronic Device Infections: 10- Year Experience in King Chulalongkorn Memorial Hospital

Tirawit Hongsakul, Voravut Rungpradubvong, Chulalongkorn University (Thailand)

THU-PP01-012 Acute Performance of a Minimally Invasive S-ICD Implantation Approach

Shantanu Reddy, Ben Nitti, James Cawthra, Eric Hammill, Boston Scientific (United States), Peter Belott, Sharp Grossmont (United States), Hiroshi Nakajima, Chiba-Nishi General Hospital (Japan)

THU-PP01-013 Preventing Pocket Infection in Permanent Pacemaker Implantation: A 2-Year Experience of Using Barbed Suture in EP Procedure

Muzakkir Amir, Levina Tri Ratana, Cardiology Department, Makassar (Indonesia)

- THU-PP01-014 **Correlation of Electrocardiographic Versus Echocardiographic Based Delay Optimization in Cardiac Resynchronization Therapy(CRT) Patients - Three Years' Experience (2015-18)**
Rahul Singhal, Heart and General Hospital (India)
- THU-PP01-015 **QRS Duration after Biventricular Pacemaker Implantation - Whether there is Any Impact of Electrical Axis - Single Centre Experience**
Rahul Singhal, Heart and General Hospital (India)
- THU-PP01-016 **Sedation Evaluation by Bismonitor Is Useful for Controlling VF Storm of Acute Coronary Syndrome in Two Cases**
Takayuki Shimizu, Subaru Health Insurance Society Ota Memorial Hospital (Japan)
- THU-PP01-017 **Sustained and Continuous Improvement in Long-Term Outcome of Advanced Heart Failure Patients- Impact of Device-Integrated Remote Monitoring in Real Life Practice**
Katherine Fan, Marc Cheng, Kwok Leung Au, Carmen Chow, Grantham Hospital (Hong Kong)
- THU-PP01-018 **Pacing Parameters and Success Rate of Permanent His Bundle Pacing in Patients with Narrow QRS: From a Single Center Experience**
Weijian Huang, Lan Su, Shengjie Wu, Songjie Wang, Zhengxian Wang, Fangyi Xiao, Peiren Shan, Hao Zhou, Zhouqing Huang, Lei Xu, The First Affiliated Hospital of Wenzhou Medical University (China)
- THU-PP01-019 **Inappropriate Shock Therapy of Implantable Cardioverter Defibrillator and Cardiac Resynchronization Therapy Defibrillator in Patients with Atrial Fibrillation, and the Impact of Atrial Ventricular Node Ablation on the Outcome**
Weijian Huang, Songjie Wang, Shengjie Wu, Lan Su, Lei Xu, Fangyi Xiao, The First Affiliated Hospital of Wenzhou Medical University (China)
- THU-PP01-021 **Right Ventricular Septal Pacing using Delivery Guiding Catheter**
Risa Kakinoki, Hanaoka Seishu Memorial Cardiovascular Clinic (Japan)
- THU-PP01-022 **Combination of a Leadless Pacemaker and Subcutaneous Implantable Defibrillator Therapy for Japanese Patient**
Ryo Ito, Chiba University Graduate School of Medicine (Japan)
- THU-PP01-023 **An Unusual Route for Intracardiac Cardioverter Defibrillator Ventricular Lead Implantation in a Ventricular Tachycardia Patient with Tetralogy of Fallot**
Po-Tseng Lee, Jen-Yuan Lee, Meng-Da Tsai, Ting-Chun Huang, Ju-Yi Chen, Ping-Yen Liu, Yi-Heng Li, National Cheng-Kung University Hospital (Taiwan)
- THU-PP01-024 **Simplified Implant Procedure of Subcutaneous Implantable Cardioverter Defibrillator in Asian Population**
Hung Fat Tse, JoJo SH Hai, Chung Wah Siu, Alice Chan, Vella YC Tsang, University of Hong Kong (Hong Kong)
- THU-PP01-026 **A Leadless Pacemaker (LP) Case Series - A Single Centre Experience of LP Implantation and Follow up**
Jit Beng Ng, Myo Han, Daniel Chong, Kah Leng Ho, Paul Lim, Kelvin Chua, Eric Lim, Boon Yew Tan, Wee Siong Teo, Chi Keong Ching, National Heart Centre Singapore (Singapore)
- THU-PP01-027 **Implantable Cardioverter-Defibrillator for Sudden Cardiac Death Prevention in Korea: Results from a Nationwide Population-Based Study**

Seung-Young Roh, Dongguk University College of Medicine (South Korea), Jong-Il Choi, Yun Gi Kim, Suk-kyu Oh, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea), Eun Young Cho, Korea University (South Korea)

THU-PP01-028 **Anatomical and Electrical Characteristics in Patients Requiring Permanent Pacemaker After Transcatheter Aortic Valve Implantation**

Shin Hasegawa, Kazuo Kato, Akimitsu Tanaka, Ryosuke Kametani, Nagoya Tokushukai General Hospital (Japan)

THU-PP01-030 **Paroxysmal Atrial Fibrillation Increases the Risk of Cardiac Death in ICD Recipients with Ventricular Arrhythmias**

Taro Tenma, Masaya Watanabe, Hokkaido University (Japan), Hisashi Yokoshiki, Sapporo City General Hospital (Japan)

THU-PP01-031 **Serum Angiotensin Converting Enzyme, Erythrocyte Sedimentation Rate and High Sensitive-C Reactive Protein Level in Diagnosis of Cardiac Sarcoidosis: Where do We Stand?**

Debabrata Bera, Daljeet Kaur Saggu, Ajit Thachil, Sachin Yalagudri, TLN Swamy, Shanthi Naidu, Swarna Nalla, Calambur Narasimhan, CARE Hospitals (India)

THU-PP01-032 **Engaging Difficult LV Lead Insertion in Tortuous and Plaque Lateral Branch Cardiac Vein**

Ahmad Suhaimi Mustafa, Nuratiqah Izzah Sharidon, Ahmad Faiz Mohd Ezanee, Kantha Rao Narasamuloo, Saravanan Krishnan, Hospital Sultanah Bahiyah (Malaysia)

THU-PP01-033 **Relationship between Injury Current and Pacing Performance of Active Fixation Ventricular Lead: A Prospective Long-term Follow-up Study**

Zhe-Wei Kuo, Mei-Yao Wu, Hung-Pin Wu, Yen-Nien Lin, Jan-Yow Chen, Kuo-Hung Lin, Kuan-Cheng Chang, China Medical University Hospital (Taiwan)

THU-PP01-034 **Age Is Not a Determinant to Cardiac Functions and Quality of Life in Patients with Permanent Pacemaker: A Preliminary Study**

Simon Salim, Muhammad Yamin, Idrus Alwi, Siti Setiati, Cipto Mangunkusumo Hospital (Indonesia)

THU-PP01-035 **Fatal Arrhythmias in Kearns-Sayre Syndrome: Necessity of an Implantable Cardioverter Defibrillator**

Tomohiko Imamura, Naokata Sumitomo, Shota Muraji, Hitoshi Mori, Saitama Medical University (Japan)

THU-PP01-036 **The Frequency of Leadless Pacemaker Deployment Attempts as a Measure of Procedural Ease: An Institutional Experience**

Suraya Hani Kamsani, Chan Ho Thum, Aslannif Roslan, Keng Tat Koh, Giky Karwiky, Zulkeflee Muhammad, Surinder Kaur Khalea, Azlan Hussin, Institut Jantung Negara (Malaysia)

THU-PP01-037 **Characterization of His Bundle Pacing by Implant Location in a Visible Canine Heart Model**

Zhongping Yang, Alexander Mattson, Elizabeth Mattson, Mary-Lauren Mesich, Medtronic (United States), Paul Iaizzo, University of Minnesota (United States)

THU-PP01-038 **Cardiac Implantable Electronic Device Use in New Zealand: A 3-Year Analysis from the All New Zealand Acute Coronary Syndrome- Quality Improvement Device Registry (Anzacs-Qi Device)**

Fang Shawn Foo, Jamie Voss, Andrew Kerr, Middlemore Hospital (New Zealand), Martin Stiles, Waikato Hospital (New Zealand), Scott Harding, Wellington Hospital (New Zealand), Susan Sinclair, Auckland Hospital (New Zealand), Dean Boddington, Tauranga Hospital (New Zealand)

THU-PP01-039 **The Difference between Right Ventricular Apical Pacing and Nonapical Pacing during Long-term**

Follow-up: A Meta Analysis

Xiaoyao Li, Fuwai Hospital (China)

THU-PP01-040 **Need for Lead Replacement during Long-term Follow-up of Cardiac Resynchronization Therapy Patients in a Single Operator Large Volume Center in India**

Ajay Naik, Care Institute of Medical Sciences (India), Aarya Naik, NHL Medical College and VS Hospital (India)

THU-PP01-041 **What are the Predictors of Prognosis in Patients with Implantable Cardioverter Defibrillator for Secondary Prevention**

Akira Sato, Hirotaka Yano, Giichi Nitta, Shunichi Kato, Toshikazu Kouno, Takashi Ikenouchi, Kazuya Murata, Junji Matsuda, Miki Kanoh, Tomomasa Takamiya, Nobutaka Kato, Yukihiro Inamura, Ken Negi, Tsunehiro Yamato, Yutaka Matsumura, Junichi Nitta, Japanese Red Cross Saitama Hospital (Japan)

THU-PP01-042 **Leadless Pacemakers for Syncope Associated with Bradycardia: A Retrospective Analysis of 954 Patients**

Annahita Sarcon, Dipayon Roy, Melissa Ramos, Mary Huntsinger, Phillip Chang, Rahul Doshi, University of Southern California (United States)

THU-PP01-043 **Occurrence of Antitachycardia Pacing in Implantable Cardioverter Defibrillator Patients without a History of Ventricular Tachycardia**

Junya Hosoda, Toshiyuki Ishikawa, Katsumi Matsumoto, Masayoshi Kiyokuni, Yuka Taguchi, Minako Kagimoto, Tabito Kino, Kouichi Tamura, Yokohama City University Hospital (Japan)

THU-PP01-044 **Implantable Loop Recorder Service Delivered Outside the Catheterisation Laboratory: A Single Centre Experience**

Chiao Wen Lim, Andreas Dirksen, Asha Barnard, Soraia Almeida, Jian Qun Guan, Patricia Taraborrelli, Michael Koa-Wing, Prapa Kanagaratnam, Norman Qureshi, Fu Siong Ng, Nick Linton, David Lefroy, Mark Tanner, Zachary Whinnett, Nicholas Peters, Phang Boon Lim, Imperial College Healthcare NHS Trust (United Kingdom)

THU-PP01-045 **Evaluation of Implantable Loop Recorder Diagnostic Yield: A Single Tertiary Centre Experience**

Chiao Wen Lim, Michael Koa-Wing, Prapa Kanagaratnam, Norman Qureshi, Fu Siong Ng, Nick Linton, David Lefroy, Mark Tanner, Zachary Whinnett, Nicholas Peters, Phang Boon Lim, Imperial College Healthcare NHS Trust (United Kingdom)

THU-PP01-046 **The Factor Xa Inhibitor, Rivaroxaban, Regulates the Burden of Atrial Fibrillation and Ventricular Premature Captures**

Chye Gen Chin, Jen-Hung Huang, Yung-Kuo Lin, Ming-Hsiung Hsieh, Yi-Jen Chen, Wan Fang Hospital (Taiwan), Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

THU-PP01-047 **Ventricular-Pacing Decreased after Transcatheter Aortic Valve Implantation**

Kei Mabuchi, Kanki Inoue, Kohei Tanizaki, Mitsuaki Isobe, Sakakibara Heart Institute (Japan)

THU-PP01-048 **Procedure Tips of His Bundle Pacing in Our Hospital**

Tsuyoshi Sakai, Masahiro Nauchi, Yuta Sugizaki, Shunsuke Sasaoka, Taisuke Miyamoto, Yuri Sato, Masashi Nishikoori, Saiseikai Yokohamashi Tobu Hospital (Japan)

THU-PP01-049 **Efficacy of 7 Dash Day Continuous Holter Monitor for Detecting Silent Atrial Fibrillation after Catheter Ablation**

Kazutaka Nakasone, Hideyuki Hayashi, Yusuke Morita, Yuhei Yamaji, Eisaku Nakane, Yoshizumi Haruna, Moriaki Inoko, Tetsuya Haruna, The Tazuke Kofukai, Medical Research Institute, Kitano Hospital (Japan), Moritoshi Funasako, Nemocnice Na Homolce (Czech Republic)

THU-PP01-050 The Efficacy and Mechanism of Anti-Tachycardia Pacing (ATP) for Atrial Fibrillation

Yasuhiro Kotake, Motohide Tanaka, Tomoya Nagano, Masahiro Maruyama, Ryobun Yasuoka, Takashi Kurita, Shunichi Miyazaki, Kindai University (Japan)

THU-PP01-051 Subclavian Venoplasty for Device Implantation by Implanting Physician: A Single Center Experience

Keng Tat Koh, Suraya Hani Kamsani, Giky Karwiky, Azlan Hussin, National Heart Institute (Malaysia)

THU-PP01-052 The Efficacy of Primary Prevention of Implantable Cardioverter-Defibrillator with Ischemic Heart Disease (IHD) Versus Non-IHD in Korea

Dong-Hyeok Kim, Sang Weon Park, Sejong General Hospital (South Korea), Jong-Il Choi, Kwang-No Lee, Seung-Young Roh, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea)

THU-PP01-053 The Defibrillator Lead in Unusual Places

Myo Han, Ho Kah Leng, Ching Chi Keong, Kelvin Chua, National Heart Centre Singapore (Singapore)

THU-PP01-054 Right-Ventricular Pacing in ICD Patients: Analysis of Device Data from 234,332 ICD Recipients

Aleksandre Sambelashvili, Jodi Koehler, Medtronic (United States), Peter Eckman, Abbott Northwestern Hospital (United States)

THU-PP01-055 Use of Pre-Procedural Strain Echocardiography to Identify Site of Optimal Endocardial Left Ventricle Pacing for Cardiac Resynchronisation Therapy

Simon James, Andrew Turley, Darragh Twomey, Michael Chapman, James Cook University Hospital (United Kingdom), Dewi Thomas, Morriston Hospital (United Kingdom)

THU-PP01-056 Long-term Stability of the Medtronic SelectSecure™ Leads: Implications for His-Bundle Pacing

Mehrdad Emami, Dominik Linz, Anand Thyagarajah, Ricardo Mishima, Kadhim Kadhim, Rajiv Mahajan, Melissa Middeldorp, Kurt Roberts-Thomson, Dennis Lau, Glen Young, Prashanthan Sanders, The University of Adelaide (Australia)

THU-PP01-057 Effect of Thoracic Magnetic Resonance Imaging Scan on Implantable Cardioverter Defibrillator System- the Asia MRI ICD Study

Rajesh Vijayvergiya, Post Graduate Institute of Medical Education & Research (India), Balbir Singh, Medanta-The Medicity Hospital (India), Upendra Kaul, Batra Hospital & Medical Research Center (India), Praveen Chandra, Medanta-The Medicity Hospital (India), Calambur Narasimhan, Care Banjara (India), Choi Eue Keun, Seoul National University Hospital (South Korea), Ahmad Fazli Abdul Aziz, Hospital Serdang, Singapore (Singapore), Aparna Jaswal, Mona Bhatia, Escorts Heart Institute and Research Centre (India), Tarlochan S Kler, Pushpawati Singhanian Hospital & Research Institute (India), Yong-Seog Oh, Seoul St. Mary's Hospital (South Korea), Santosh Kumar Dora, Asian Heart Institute (India), Debasis Ghosh, Apollo Gleneagles Hospital (India), Kartikeya Bhargava, Medanta-The Medicity Hospital (India), Sumit Anand, Pallavi Singh, Neha Sharma, Abbott (United States)

THU-PP01-058 Venous Occlusion Post Pacemaker Implantation a Prospective Study

Deepak Padmanabhan, Bharatraj Banavalikar, Javed Pervez, Inotan Sinam, Sanjai PV, Jayprakash Shenthara, Jayadeva Institute of Cardiovascular Sciences (India)

THU-PP01-059 Permanent His Bundle Pacing: The Way Forward?

Abhinay Tibdewal, Prakash V S, MS Ramaiah Medical College (India)

THU-PP01-060 Comparison of Hemodynamic Response by Multipoint Pacing and Conventional Biventricular Pacing at Various Atrioventricular Delays

Wei Hua, Min Gu, Shu Zhang, Fuwai Hospital CAMS & PUMC (China), Lin Cai, The Third People's Hospital of Chengdu (China), Yangang Su, Shanghai Zhongshai Hospital (China), Wei Xu, Gulou Hospital (China), Farong Shen, Zhejiang Greentown Hospital (China), Jingfeng Wang, Sun Yat-Sen Memorial Hospital (China)

THU-PP01-061 Temporal Trends of Cardiac Implantable Electronic Device Procedures in Korea: A Nationwide Population-Based Study

Ji Hyun Lee, Yonsei University (South Korea), So-Ryoung Lee, Soon Chun Hyang University Hospital (South Korea), Jae-Han Jeong, Hyung-Deuk Park, So-Jeong You, Sang-Soo Lee, Medtronic (South Korea), Eue-Keun Choi, Seil Oh, Seoul National University Hospital (South Korea)

THU-PP01-062 Backgrounds and Effectiveness of Lead Extraction for Non Infectious Patients

Michio Nagashima, Jyunji Morita, Masato Fukunaga, Shota Tohoku, Kenichi Hiroshima, Kenji Ando, Takahiro Iseda, Kokura Memorial Hospital (Japan)

THU-PP01-063 Early Experience of Leadless Pacemaker Implantation in Our Hospital

Munekazu Tanaka, Akihiro Komasa, Shintaro Yamagami, Takanori Aizawa, Takashi Yosizawa, Satoshi Shizuta, Takeshi Kimura, Kyoto University Graduate School of Medicine (Japan)

THU-PP01-064 Technique of Recording the Lateral Left Ventricular Electrograms During His-Bundle Pacing Operation without Special Tools -Methods and Benefits of the Technique

Seiichiro Hisada, Daisuke Yoshimoto, Kei Noguchi, Keisuke Irokawa, Ryo Yamaguchi, Sachiko Bando, Yuichiro Sakamoto, Takahiko Suzuki, Toyohashi Heart Center (Japan)

THU-PP01-065 Clinical Safety and Outcomes of Same Day Leadless Pacemaker (Micra) and AV Node Ablation for Atrial Fibrillation Using Single Femoral Puncture Approach

David Chieng, Vincent Paul, Fiona Stanley Hospital (Australia)

THU-PP01-066 A Leadless Pacemaker in the Real-World Setting: Updated Results from the Micra Transcatheter Pacing System Post-Approval Registry

Kyoko Soejima, Kyorin University School of Medicine (Japan), Paul R. Roberts, University Hospital Southampton (United Kingdom), Faisal Al-Samadi, King Salman Heart Center-King Fahad Medical City (Saudi Arabia), Nicolas Clementy, Centre Hospitalier Régional Universitaire de Tours-Hôpital Trousseau (France), Christophe Garweg, Universitaire Ziekenhuizen Leuven (Belgium), José Luis Martínez Sande, University Clinical Hospital of Santiago de Compostela (Spain), Jonathan P. Piccini, Duke University Medical Center (United States), Saverio Iacopino, Maria Cecelia Hospital (Italy), Michael Lloyd, Mikhael F. El-Chami, Emory University (United States), Xavier Viñolas Prat, Hospital de la Santa Creu I Sant Pau (Spain), Michael Dilou Jacobsen, University of Copenhagen (Denmark), Philippe Ritter, Hôpital Cardiologique du Haut-Lévêque, Bordeaux (France), Jens Brock Johansen, Odense University Hospital (Denmark), Claudio Tondo, University of Milan (Italy), Kurt Stromberg, Dedra H. Fagan, Alyssa K. Eakley, Medtronic (United States)

THU-PP01-067 Chronic Performance of a Minimally Invasive S-ICD Implantation Approach

Shantanu Reddy, Ben Nitti, James Cawthra, Eric Hammill, Boston Scientific (United States), Peter Belott, Sharp Grossmont (United States), Hiroshi Nakajima, Chiba-Nishi General Hospital (Japan)

THU-PP01-068 Relationship Between Atrial Fibrillation Duration and Pacemaker-Detected Sleep APNEA

Yuka Taguchi, Toshiyuki Ishikawa, Yokohama City University Hospital (Japan)

THU-PP01-069 Efficacy, Safety, Quality of Life and Inhospital Outcomes of Subcutaneous Versus Transvenous Implantable Defibrillator Therapy : A Meta-Analysis and Systematic Review

Chao-feng Chen, Hangzhou First People Hospital (China)

- THU-PP01-070 **Experience of Implantations and Extraction of Micra™ Transcatheter Pacing System in Our Institution**
Masahiko Murakami, Shigetoshi Sakabe, Kenichi Maeno, Atsunobu Kasai, Ise Red Cross Hospital (Japan)
- THU-PP01-071 **Predictors of QRS Improvement with His-Bundle Pacing (HBP): A Multivariate Analysis**
Chee Loong Chow, University of Melbourne (Australia), Barveen Abu Baker, Uwais Mohamed, Northern Hospital (Australia)
- THU-PP01-072 **A Novel Mechanism of Angiotensin Receptor-Neprilysin Inhibition Suppresses Ventricular Arrhythmia in Ischemia Model**
Shih-Lin Chang, Yenn-Jiang Lin, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Shih-Ann Chen, Taipei Veterans General Hospital, National Yang-Ming University School of Medicine (Taiwan), Yao-Ting Chang, Yung-Nan Tsai, Wei-Min Huang, Ya-Wen Hsiao, Yu-Ting Huang, Hsing-Yuan Li, Taipei Veterans General Hospital (Taiwan)
- THU-PP01-073 **Antitachycardia Pacing Programming Strategies Further Reduce Unnecessary Implantable Cardioverter Defibrillator Shocks**
Boyoung Joung, Yonsei University Severance Hospital (South Korea), Daniel R Lexcen, Shufeng Liu, Mark Brown, Alan Cheng, Medtronic plc (United States), Chi-Keong Ching, National Heart Centre (Singapore), Marc Silver, WakeMed Health and Hospitals (United States), Jonathan P Piccini, Duke University Medical Center (United States), Laurence Sterns, Vancouver Island Arrhythmia Clinic (Canada), Rafael Rabinovich, Clinica Olivos (Argentina), Robert Pickett, Saint Thomas Heart (United States)
- THU-PP01-074 **Venoplasty for the Implantable Cardiac Device Implantation in Patients with Venus Occlusion after Successful Lead Extraction**
Kei Yamamoto, Takahiro Iseda, Shota Tohoku, Masato Fukunaga, Michio Nagashima, Kenichi Hiroshima, Kenji Ando, Kokura Memorial Hospital (Japan)
- THU-PP01-075 **The Impact of Heart Function and Left Ventricle Size on Incidence of Ventricular Arrhythmias in Patients with ICD/CRTD**
Xiaoyao Li, Fuwai Hospital (China)
- THU-PP01-076 **A Novel Continuous Monitoring Method for Atrial Fibrillation using a Wearable Ring Device Implemented with Photoplethysmographic Signal Analysis by Deep Learning**
Soonil Kwon, Eue-Keun Choi, Euijae Lee, Myung-Jin Cha, Bonkwon Koo, Seil Oh, Seoul National University Hospital (South Korea), Joonki Hong, Yung Yi, KAIST (South Korea), Byunghwan Lee, Sky Labs Inc. (South Korea)
- THU-PP01-077 **Cardiac Implantable Electronic Device Infection in the Cardiac Referral Center in Thailand: Incidence, Microbiology, Risk Factors, and Outcomes**
Theerawat Korkerdsup, Tachapong Ngarmukos, Somnuek Sungkanuparph, Angsana Phuphuakrat, Ramathibodi Hospital (Thailand)
- THU-PP01-078 **His Bundle Pacing- Comparing a Dedicated Pacing Lead (Medtronic Select Secure Lead Model 3830) Versus a Conventional Active Fixation Lead (6F Medtronic Surescan or St. Jude Tendril MRI)**
Prakash Vadagenalli S, Nagamalesh U M, Anupama Hegde, Bhaskar S Rao, Paramesh Reddy, MS Ramaiah Narayana Heart Center (India)
- THU-PP01-079 **Backgrounds and Effectiveness of Lead Extraction Using Excimer Laser System**
Rei Kuji, Michio Nagashima, Kenji Ando, Kokura Memorial Hospital (Japan)
- THU-PP01-080 **Comparison of Different Antithrombotic Strategies in the Perioperative Period of Cardiovascular**

Implantable Electronic Devices

Jingfeng Wang, Yangang Su, Yixiu Liang, Junbo Ge, Zhongshan Hospital, Fudan University (China)

THU-PP01-081 Usefulness of an Implantable Loop Recorder for Unexplained Syncope

Takahiro Hakamata, Yukio Hosaka, Kenji Nakano, Norihito Oyanagi, Rie Akagawa, Mitsuo Ishizuka, Komei Tanaka, Keiichi Tsuchia, Kazuyoshi Takahashi, Hirotaka Oda, Niigata City General Hospital (Japan), Masaomi Chinushi, Niigata University School of Medicine (Japan)

THU-PP01-082 Atrial Fibrillation Burden Recorded in Dual Chamber Pacemaker as a Predictor for Cardiac Outcomes: A Single-Center Cohort Study

Songyun Chu, Yuling Wang, Jie Jiang, Jing Zhou, Yansheng Ding, Peking University First Hospital (China)

THU-PP01-083 The Association Between Cardiac Biomarkers and Atrial High Rate Episodes in Patients with Cardiovascular Implantable Electronic Devices

Min-Tsun Liao, Ting-Tse Lin, Chao-Lun Lai, National Taiwan University Hospital (Taiwan)

THU-PP01-084 A Novel 2 Incision Technique Without the Need for a Peel-Away Sheath for Subcutaneous Implantable Cardioverter Defibrillator Implant

Edward Lee, Paul Chun Yih Lim, Wee Siong Teo, Chi Keong Ching, Daniel Thuan Tee Chong, Boon Yew Tan, National Heart Centre Singapore (Singapore)

THU-PP01-085 A Case of Right Atrial Sensation of Left Ventricular High Lateral Posterior Wall Epicardial Pacing for the Treatment of Infantile Dilated Cardiomyopathy

Shaoying Zeng, Zhiling Li, Guangdong Cardiovascular Institute (China)

THU-PP01-086 S-ICD or TV-ICD: Our Selection of the Defibrillation Devices

Shuhei Kobayashi, Kitasato University School of Medicine (Japan)

THU-PP01-087 Risk of Arrhythmia Events in Japanese and Non-Japanese Primary Prevention ICD Patients Enrolled in Madit-Rit

Valentina Kutyla, University of Rochester Medical Center (United States), Morio Shoda, Tokyo Women's Medical University Hospital (Japan), Shingo Sasaki, Hirosaki University Hospital (Japan), Kenji Ando, Kokura Memorial Hospital (Japan), Satoshi Shizuta, Kyoto University Hospital (Japan), Kazutaka Aonuma, Tsukuba University (Japan), Takashi Noda, Kengo Kusano, National Cerebral Cardiovascular Center (Japan), Ken Okumura, Saiseikai Kumamoto Hospital (Japan)

THU-PP01-089 The Association Between Cholesterol Level and Lead Culture Findings of Infective CIED Patients Who Underwent Lead Extraction

Hiroaki Watanabe, Yukio Sekiguchi, Yasuaki Tsumagari, Yuichi Hanaki, Yuki Komatsu, Takeshi Machino, Hiro Yamasaki, Akihiko Nogami, Kazutaka Aonuma, University of Tsukuba (Japan)

THU-PP01-090 Clinical Aspects of Wearable Cardioverter Defibrillator: A Single-Center Experience in Japan

Keita Tsukahara, University of Occupational and Environment Health (Japan)

THU-PP01-091 Two-Year Extraction Experience of a Novel Extravascular Defibrillation Lead in Sheep

Mark Marshall, Gonzalo Martinez, Jaime Paulin, Mark Guirguis, Nathan Zamarripa, Medtronic (United States), Hector Mazzetti, Hospital Fernandez (Argentina)

THU-PP01-092 Eligibility Changing over Time for the Subcutaneous ICD in Patients with ICD Indications

Zuoying Hu, Hang Zhang, Chang Pan, Yihui Yu, Nanjing First Hospital (China)

THU-PP01-093 Remote Monitoring of Cardiac Implantable Electronic Devices - The Largest Single Centre Experience from India

Ulhas Pandurangi, Deep Chandh Raja, Anitha Sathishkumar, Nirmala Singamoorthy, Madras Medical Mission (India)

THU-PP01-094 Safety and Effectiveness of the Evera MRI ICD System in China

Xingbin Liu, Dejie Huang, Lingyun Jiang, Yuanning Xu, West China Hospital Sichuan University (China), Yangang Su, Xueying Chen, Zhongshan Hospital Fudan University (China), Zihui Zhang, Xiaoyan Wang, Fei Ye, The Third Xiangya Hospital of Central South University (China), Weifan Sun, Medtronic (China), Shufeng Liu, Alan Cheng, Medtronic (United States)

THU-PP01-095 Early Real-World Adoption of Mobile Remote Monitoring using the Confirm RX™ Insertable Cardiac Monitor

Avi Fischer, Allison Connolly, Ignacio Reyes, Yelena Nabutovsky, Abbott Laboratories (United States), Naushad Shaik, Cardiovascular Associates (United States), Roland Tilz, University Hospital Luebeck (Germany), Christopher Piorkowski, University of Dresden (Germany), John Ip, Sparrow Clinical Research Institute (United States)

THU-PP01-096 Comparing Asian and Non-Asian Patient Cohorts from Rally X4 Study (Evaluating the Multipolar Coronary Sinus Lead Family Acuity® X4)

Chi Keong Ching, National Heart Centre (Singapore), Yasushi Sakata, Osaka University Graduate School of Medicine (Japan), Hung-Fat Tse, Queen Mary Hospital Hong Kong (Hong Kong), Kenji Ando, Kokura Memorial Hospital Fukuoka (Japan), Koichi Inoue, Sakurabashi Watanabe Hospital Osaka (Japan), Vern Hsen Tan, Changi General Hospital (Singapore), Torsten Kayser, Boston Scientific (Belgium), Haran Burri, Cardiology Service University Hospital of Geneva (Switzerland)

THU-PP01-097 Effectiveness of Heart Failure Management Using Remote Monitoring of Thoracic Impedance

Yoichiro Nakagawa, Satoru Hiromasa, Takuya Mayumi, Naomi Kanamori, Masahiko Kashimoto, Chieko Kato, Takahiro Saeki, Satoru Sakagami, National Hospital Organization Kanazawa Medical Center (Japan)

THU-PP01-099 Guideline Adherence for Primary Prevention of Sudden Cardiac Death with Implantable Cardioverter Defibrillators Implantation After E-Mail Prenotification

Inki Moon, Eue-Keun Choi, Euijae Lee, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea)

THU-PP01-100 The Features of Electrocardiogram in Patients with Leadless Pacemakers

Yoshinao Yazaki, Kazuhiro Satomi, Yasuyuki Takada, Shuichiro Kazawa, Tomoko Sakaida, Taishiro Chikamori, Tokyo Medical University Hospital (Japan)

THU-PP01-101 Nurse-Led Insertion of Implantable Loop Recorders

Dean Boddington, Adrienne-Saud Escondo, Jason Money, Tauranga Hospital - Bay of Plenty District Health Board (New Zealand)

THU-PP01-102 Sub-Sternal ICD Lead Placement: A Case Report of Revision of a Subcutaneous ICD Lead to the Sub-Sternal Position

Khuyen Do, Armin Kiankhooy, Chin Lee, Philip Chang, Rahul Doshi, USC Keck School of Medicine (United States)

THU-PP01-103 Long-term Follow up of Brugada Patients after ICD Implantation

Manish Ganwani, Krishna Kumar M, Narayanan Namboodiri K.K., Ajit Kumar V.K., Sree Chitra Tirunal Institute for Medical Sciences and Technology (India)

THU-PP01-104 Nightmare During Temporary Pacing

Dasarath Boppna, Vinod Kumar Balakrishnan, Thoddi Ramamurthy Muralidharan, Subash Chandhar, Sadhanandham

THU-PP01-105 Device Implant Following Cardiac Surgery, A 3 Year Clinical Experience

Peter Waddingham, Anthony Chow, St Bartholomew's Hospital, Barts Health NHS Trust (United Kingdom)

THU-PP01-106 Burden of Atrial Fibrillation and Poor Rate Control Detected by Cardiac Implantable Devices is Associated with Increased Risks for Cardiovascular Events for Patients in India

Aparna Jaswal, Fortis Escorts Heart Institute (India), Jitendra Pal Singh Sawhney, Sir Ganga Ram Hospital (India), Ajit Thachil, Lisie Hospital (India), Sindhu John, Vinay Rajan, India Medtronic Pvt.Ltd. (India), Jodi Koehler, Shantanu Sarkar, Medtronic (United States), Balbir Singh, Medanta The Medicity (India)

THU-PP01-107 Safety and Feasibility of Balloon Venoplasty to Facilitate Cardiac Resynchronization Therapy Upgrade

Euijae Lee, Eue-Keun Choi, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea)

THU-PP01-108 The Incidence of Inappropriate Shocks and Management of Subcutaneous Implantable Cardioverter-Defibrillator (S-ICD); Two Year Follow-up at University Hospital in Japan

Kengo Ayabe, Susumu Sakama, Tetsuri Sakai, Tokai University Graduate School of Medicine (Japan), Yu Kojima, Tokai University Hospital (Japan), Tadashi Hashida, Shigataka Kanda, Mari Amino, Koichiro Yoshioka, Tokai University School of Medicine (Japan)

THU-PP01-109 Comparison of Transjugular Versus Transfemoral Approach for Temporary Pacemaker Implantation

Kwang Jin Chun, Kangwon National University Hospital (South Korea), Hye Bin Gwag, Seung-Jung Park, Young Keun On, June Soo Kim, Kyoung-Min Park, Samsung Medical Center (South Korea)

THU-PP01-110 Transvenous Lead Extraction of Cardiac Implantable Electronic Device in a Single Center Experience

Napawan Pornnimitthum, Arisara Suwanagool, Chatyapha Sriprom, Faculty of Medicine Siriraj Hospital, Mahidol University (Thailand)

THU-PP01-111 Outcomes after ICD Implantation in Patients with Brugada Syndrome: A Systematic Review

Joseph Jasper Acosta, Donn Romell Bernabe, Kristine Nacional, Belen Carisma, Philippine Heart Center (Philippines)

THU-PP01-112 Gamma-Glutamyl transferase and Risk of Ventricular Arrhythmias in Implantable Cardioverter-Defibrillator Patients

You Zhou, Shuang Zhao, Keping Chen, Wei Hua, Shu Zhang, Fuwai Hospital (China)

THU-PP01-113 Evaluation of Non-Cardiac Oversensing in the S-ICD with and without the Smart Pass Algorithm

Reinoud Knops, Tom Brouwer, AMC Amsterdam (Netherlands), Shingo Sasaki, Hirosaki University Graduate School of Medicine (Japan), Paul Jones, Venugopal Allavattam, Steven Donnelley, Boston Scientific (United States), Angelo Auricchio, Fondazione Cardiocentro Ticino (Switzerland), Martin Burke, CorVita Science Foundation (United States), Dominic Theuns, Erasmus MC, (Netherlands)

THU-PP01-114 Use of Cut Pigtail Catheter for Difficult LV Lead Placement in a Patient Undergoing CRT-D: A Novel Technique

Pruthvi Revaiah, Palanivel Rajan, Parag Barwad, PGIMER (India)

THU-PP01-115 Subcutaneous Implantable Cardioverter Defibrillators Implantation for Ebstein's Anomaly with Tricuspid Regurgitation Survived Ventricle Fibrillation

Shunsuke Nukaga, Kanki Inoue, Kei Mabuchi, Yuji Hamamichi, Kohei Tanizaki, Tadahiro Yoshikawa, Mitsuaki Isobe, Sakakibara Heart Institut (Japan)

THU-PP01-116 Validity of Estimated 5-Year Risk of Sudden Cardiac Death by the ESC Guideline in Japanese Hypertrophic Cardiomyopathy Patients with Implantable Cardioverter Defibrillator

Miyo Nakano, Yusuke Kondo, Masahiro Nakano, Takatsugu Kajiyama, Tomohiko Hayashi, Ryo Ito, Haruhiro Takahira, Yoshio Kobayashi, Chiba University Graduate School of Medicine (Japan)

THU-PP01-117 Safety and Efficacy of the Subcutaneous Cardioverter-Defibrillator in Patients at High Risk of Sudden Cardiac Death: Japanese Single Center Primary Experience

Shingo Sasaki, Yuji Ishida, Hirofumi Tomita, Takahiko Kinjo, Daisuke Horiuchi, Taihei Itoh, Masaomi Kimura, Hirosaki University School of Medicine (Japan)

THU-PP01-118 No Improvement with Combination Atrial Fibrillation Burden to the CHADS₂ and CHA₂DS₂-VASC Risk Scores for Prediction Stroke and Systemic Embolism Risk

Songyun Chu, Yuling Wang, Jie Jiang, Qinsheng Sheng, Jing Zhou, Yansheng Ding, Peking University First Hospital (China)

THU-PP01-119 Safety, Feasibility, and Performance of Mid-Septal Implant of Leadless Pacemaker in High Risk Population

Jo Jo Hai, Jonathan Fang, Chor Cheung Tam, Chung Wah Siu, Chu Pak Lau, Hung Fat Tse, The University of Hong Kong (Hong Kong)

THU-PP01-120 Subclinical Device-Detected Atrial Fibrillation and Stroke Risk

Youngjun Park, Seong Soo Lee, Hye Bin Gwag, June Soo Kim, Young Keun On, Kyoung Min Park, Seung Jung Park, Samsung Medical Center (South Korea)

THU-PP01-121 Safety and Feasibility of Magnetic Resonance Imaging in Conventional Cardiac Implantable Electronic Devices: A Systematic Review and Meta-Analysis

Joel E.Z. Chan, Kadhim Kadhim, Kashif Khokhar, Anand Thiyagarajah, Mehrdad Emami, Dominik Linz, Catherine O'Shea, Varun Malik, Rajiv Mahajan, University of Adelaide (Australia), Dian Andina Munawar, Dennis Lau, Royal Adelaide Hospital (Australia), Prashanthan Sanders, Centre of Heart Rhythm Disorder (Australia)

THU-PP01-122 Clinical Predictors of Atrial Antitachycardia Pacing Therapy Efficacy among Atrial Fibrillation Patients with Dual Chamber Pacemakers

Dian Andina Munawar, Rajiv Mahajan, Thomas Agbaedeng, Kashif Khokhar, Mehrdad Emami, Anand Thiyagarajah, Kadhim Kadhim, Ricardo Mishima, Melissa Middledorp, Dominik Linz, Prashanthan Sanders, University of Adelaide (Australia), Dennis Lau, Royal Adelaide Hospital (Australia)

THU-PP01-123 Risk Factors of Pulmonary Hypertension Development in Patients with Permanent Pacemaker

Dian Andina Munawar, Rajiv Mahajan, Melissa Middledorp, Kashif Khokhar, Kadhim Kadhim, Ricardo Mishima, Mehrdad Emami, Anand Thiyagarajah, Catherine O'Shea, Varun Malik, Dominik Linz, Prashanthan Sanders, University of Adelaide (Australia), Dennis Lau, Royal Adelaide Hospital (Australia)

THU-PP01-124 Laser Assisted Venous Access through Occluded Venous System with Preservation of Indwelling Leads: A Novel Approach to an Old Problem

Charles Love, Andreas Barth, Joseph Marine, Jonathan Chrispin, Satish Misra, Johns Hopkins School of Medicine (United States)

THU-PP01-125 A Novel Method to Detect and Guide the Management of Cardiac Perforation by Pacing Leads

Bharatraj Banavalikar, Jayaprakash Shenthar, Deepak Padmanabhan, Sri Jayadeva Institute of Cardiovascular Sciences and Research (India)

- THU-PP01-126 **Predictors of Improved Heart Rate Variability after Revascularization in Patients with Acute Myocardial Infarction**
Jum Suk Ko, Namho Kim, Wonkwang University Hospital (South Korea)
- THU-PP01-127 **The Effective of the Subcutaneous Implantable Cardioverter Defibrillator Pre-Implantable Screening in Predicting the Response to Biventricular Pacing**
Ran Jing, Han Jin, Wei Hua, Fu Wai Hospital of the Chinese Academy (China)
- THU-PP01-128 **QRS Duration Correlates Differently with Body Size and Left Ventricular Anatomy in Patients with or without Prolonged QRS Duration**
Kimi Sato, Nishant Shah, Ahmad Bafadel, Maki Ono, Deborah Kwon, Niraj Varma, Cleveland Clinic (United States)
- THU-PP01-129 **S Wave of Lead V6 in Surface ECG Predicts Poor Response to Cardiac Resynchronization Therapy**
Zhiyong Qian, Xiaofeng Hou, Jiangang Zou, The First Affiliated Hospital of Nanjing Medical University (China)
- THU-PP01-130 **Predictors of Cardiac Resynchronization Therapy Response and Super-Response: Results from the Prospective Evaluation of Asian with CRT for Heart Failure Study**
Eugene Tan, Siew Pang Chan, Pipin Kojodjojo, Devinder Singh, Wee Tiong Yeo, Toon Wei Lim, Swee-Chong Seow, National University Heart Centre Singapore (Singapore), Joevy Lim, University of Auckland (New Zealand), Joshua Tze-Kiat Seow, Anglo Chinese School Independent (Singapore)
- THU-PP01-131 **A Second Chance - A Case Report of Marked Left Ventricular Function Improvement after Treatment with Sacubitril/Valsartan**
Yi Zhi Cheng, Gerard Jason Mathews, Siti Salmah Ishak, Siti Nor Aineeda Arshad, Khairul Faaizal Che Roos, Huan Yean Kang, Wan Faizal Wan Rahimi Shah, Ahmad Faiz Mohd Ezanee, Ru Hoi Tan, Kai Soon Liew, Dharmaraj Karthikesan, Kantha Rao Narasamuloo, Abdul Syukur Abdullah, Saravanan Krishinan, Hospital Sultanah Bahiyah (Malaysia)
- THU-PP01-132 **Right-Ventricular Propagation Delay Modulation with Long-Term Left Ventricular-Only Cardiac Resynchronization - A Case Report**
Tran Thong, Systolic Medical Systems (United States), Huu-Van Bui-Nguyen, Heart Institute of Hochiminh City (Vietnam)
- THU-PP01-133 **Association of Cardiac Resynchronization Therapy Response with Improved Outcomes: Results from the Prospective Evaluation of Asian with CRT for Heart Failure Study**
Eugene Tan, Siew Pang Chan, Pipin Kojodjojo, Devinder Singh, Wee Tiong Yeo, Toon Wei Lim, Swee-Chong Seow, National University Heart Centre Singapore (Singapore), Joevy Lim, University of Auckland (New Zealand), Joshua Tze-Kiat Seow, Anglo Chinese School Independent (Singapore)
- THU-PP01-134 **Pacing Thresholds Elevation of Cardiac Resynchronization Therapy (CRT) Left Ventricular Lead after Left Ventricular Assist Device (LVAD) Implantation**
Hiroaki Tabata, Hideki Kobayashi, Wataru Shoin, Takahiro Okano, Kazuhiro Kimura, Koji Yoshie, Ayako Okada, Hirohiko Motoki, Morio Shoda, Koichiro Kuwahara, Shinshu University School of Medicine (Japan)
- THU-PP01-135 **Long-term Follow-up of 'Super-Responder' Patients to Cardiac Resynchronization Therapy in Fuwai Hospital: Do They Still Have Indications for Optimal Medical Therapies?**
Yiran Hu, Wei Hua, Min Gu, Xiaohan Fan, Hongxia Niu, Ligang Ding, Jing Wang, Shu Zhang, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College (China)
- THU-PP01-136 **Feasibility and Efficacy of Downgrade from Cardiac Resynchronisation Therapy with Defibrillator to Cardiac Resynchronisation Therapy with Pacemaker**

Michio Ogano, Ippei Tsuboi, Jun Tanabe, Shizuoka Medical Center (Japan), Yu-ki Iwasaki, Wataru Shimizu, Nippon Medical School (Japan)

THU-PP01-137 **Left Ventricular Endocardial Pacing with a Novel Wireless CRT System (WISECRT): Pacing Threshold Trends: Medium Term 2 Year Data**

Simon James, Andrew Turley, Darragh Twomey, Michael Chapman, James Cook University Hospital (United Kingdom), Christian Butter, Herzzentrum Brandenburg (Germany), Sam Riahi, Aalborg University Hospital (Denmark)

THU-PP01-138 **First-In-Man Implantation of a Leadless Endocardial Left Ventricular Pacing System(WISE-CRT) Utilising a Trans-Septal Approach**

Simon James, Andrew Turley, Michael Chapman, James Cook University Hospital (United Kingdom), Christopher A. Rinaldi, Benjamin Sieniewic, St. Thomas Hospital (United Kingdom), Martin Arnold, Universitätsklinikum Erlangen (Germany), Prashanthan Sanders, Royal Adelaide Hospital (Australia)

THU-PP01-139 **Characteristics of Patients Undergoing Cardiac Resynchronization Therapy (CRT) in CIPTO Mangunkusumo National Hospital of Indonesia before and Six Months after CRT**

Muhammad Yamin, Simon Salim, M. Syahrir Azizi, Angga Pramudita, Cipto Mangunkusumo Hospital (Indonesia)

THU-PP01-140 **Long-Term Survival Impact of Anti-Arrhythmic Drugs on Heart Failure Patients in Real World Practice**

Ying Chieh Liao, Tsu-Juey Wu, Taichung Veterans General Hospital (Taiwan)

THU-PP01-141 **The Effect of Cardiac Contractility Modulation on Acute Hemodynamics in Canine Model of Hyper-Pacing Induced Heart Failure**

Xi Liu, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College (China), Shengwen Yang, Han Jin, Yiran Hu, Ran Jing, Wei Hua, Chinese Academy of Medical Sciences and Peking Union Medical College (China)

THU-PP01-142 **Cessation and Resumption of Cardiac Resynchronization Therapy in Heart Failure Patients**

Yiran Hu, Hongxia Hiu, Wei Hua, Shu Zhang, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College (China)

THU-PP01-143 **Clinical Value of Improved CRT-D Battery Longevity in Devices with a 1.8-2.0 AH Capacity and Li/mno2 Chemistry in Japan**

Natalie Haddrick, Virginia Priest, Boston Scientific (Singapore), Junichi Nitta, Japanese Red Cross Saitama Hospital (Japan), Kazuhiro Nonaka, Tomohisa Koga, Boston Scientific (Japan), Matthew Reinert, Joe Caputo, Vista Health Pte Ltd. (Singapore)

THU-PP01-144 **Increase of Vectorcardiographic QRS Area Is Associated with Left Bundle Branch Block and Good Prognosis in Patients with Cardiac Resynchronization Therapy**

Tomoyuki Kabutoya, Yasushi Imai, Yasuhiro Yokoyama, Ayako Yokota, Tomonori Watanabe, Takahiro Komori, Kazuomi Kario, Jichi Medical University (Japan)

THU-PP01-145 **Impact of Multipoint™ Pacing (MPP) Electrode Location on CRT Non-Responder to Responder Conversion Rate in the More CRT MPP Phase I Trial**

Christophe Leclercq, University Hospital of Rennes (France), Harran Burri, University of Geneva (Switzerland), Antonio Curnis, Università degli Studi di Brescia (Italy), Christopher Rinaldi, King's College (United Kingdom), Johannes Sperzel, Kerckhoff Klinik (Germany), Peter Paul Delnoy, Isala Klinieken (Netherlands), Kwangdeok Lee, Clay Cohorn, Abbott (United States) Bernard Thibault, Université de Montréal (Canada)

THU-PP01-146 Electrical Substrate in Right Bundle Branch Block (RBBB) Heart Failure Patients - Do Quadripolar Leads Allow Better Targeting of Left Ventricular Activation Delay?

Brian Wisnoskey, Abbott (United States), Niraj Varma, Cleveland Clinic (United States)

THU-PP01-147 Validation of the Samsung S-Patch - a Novel Ambulatory ECG Monitoring Device

Selwyn Wong, Kirsten Jacobsen, Nicole Signal, Celestina Chan, Jamie Voss, Middlemore Hospital (New Zealand)

THU-PP01-148 Impact of Multipoint™ Pacing (MPP) Electrode Location on Clinical Outcomes with a Quadripolar CRT-D System in the MPPIDE Study

Clay Cohorn, Kwangdeok Lee, Abbott (United States), James Baker II, Saint Thomas Research Institute (United States), Raffaele Corbisiero, Deborah Heart and Lung, Browns Mills (United States), Charles Love, Johns Hopkins Hospital (United States), David Martin, Brigham and Women's Hospital (United States), Robert Sheppard, The Heart Institute (United States), Seth Worley, Lancaster Heart Foundation (United States), Gery Tomassoni, CBH (United States), Imran Niazi, Aurora Cardiovascular Services (United States)

THU-PP01-149 Left Ventricular Only Pacing with Dual Chamber Pacemaker System: Improve Left Ventricular Function in Patients with Atrioventricular Conduction Delay and Left Ventricular Systolic Dysfunction

M Atahar Ali, Shaila Nabi, Habiba Ferdaushi, Shahana Zaman, National Institute of Cardiovascular Diseases (Bangladesh), Fathima Aaysha Cader, Ibrahim Cardiac Hospital & Research Institute (Bangladesh)

THU-PP01-150 Left Ventricular Endocardial Pacing with Second Generation of a Novel Wireless CRT System (Wise-CRT): Comparison of Threshold Trends with the Original System

Simon James, Andrew Turley, Michael Chapman, James Cook University Hospital (United Kingdom)

THU-PP01-151 Cardiac Resynchronization Therapy Entirely Through Coronary Sinus

Rahul Doshi, Sati Patel, Chin Lee, Kenneth Kita, Khuyen Do, Young Kim, Steven Carlson, Mary Huntsinger, Jacqueline Schwartz, Tomas Konecny, University of Southern California (United States), Philip Chang, University of Florida Shands Children's Hospital (United States)

THU-PP01-152 Low-Level Carotid Baroreflex Stimulation Protects Against Left Ventricular Remodeling and Ventricular Arrhythmias in Congestive Heart Failure Canines

Mingwei Bao, Mingyan Dai, Jing Wang, Quan Cao, Yijie Zhang, Tuantuan Tan, Qiang Luo, Qiao Yu, Yan Zhang, Renmin Hospital of Wuhan University (China)

THU-PP01-153 Safety of the Quadripolar Boston Scientific Acuity x4 Leads in Japan. From the Analysis of the Rally x4 Trial

Hitoshi Minamiguchi, Yasushi Sakata, Hiroya Mizuno, Osaka University Graduate School of Medicine (Japan), Kenji Ando, Kokura Memorial Hospital (Japan), Koichi Inoue, Sakarabashi Watanabe Hospital (Japan), Torsten Kayser, Boston Scientific (Belgium), Haran Burri, Chungbuk National University Hospital (Switzerland)

THU-PP01-154 Predictors of 'Super-Responders' to Cardiac Resynchronization Therapy for Congestive Heart Failure in Bangladeshi Population

Umme Habiba Ferdaushi, National Institute of Cardiovascular Disease (NICVD) (Bangladesh)

THU-PP01-155 Health Economic Evaluation of Automated Programming Optimization in Cardiac Resynchronization Therapy Defibrillator Devices: Holistic Markov Modelling under the Japanese Setting

Xiaoxiao Alice Lu, Medtronic (United States), Abhishek Maan, Brown University (United States), Takashi Noda, National Cerebral and Cardiovascular Center (Japan), Stelios Tsintzos, Medtronic International Trading Sarl (Switzerland), Tom Goss,

Boston Healthcare Associates (United States), Edwin Kevin Heist, Massachusetts General Hospital (United States)

THU-PP01-156 **Cardiac Resynchronization Therapy Optimization using Automatic Algorithm and Left Ventricular Pacing**
Hye Bin Gwag, Youngjun Park, Seong Soo Lee, June Soo Kim, Kyoung-Min Park, Young Keun On, Seung-Jung Park, Samsung Medical Center (South Korea)

THU-PP01-157 **Cardiac Resynchronization Therapy in Nonambulatory NYHA Class-Four Heart Failure Patients**
Seong Soo Lee, Hye Bin Gwag, Youngjun Park, June Soo Kim, Young Keun On, Kyoung-Min Park, Seung-Jung Park, Samsung Medical Center (South Korea)

THU-PP01-158 **Acute and Long-Term Benefits of Device Based Automatic Atrioventricular Delay Optimization**
Balbir Singh, V. K Chopra, Sanjay Mittal, Brajesh Mishra, Vinayak Agarwal, Binay Kumar, Lakshme Kottu, Medanta-The Medicity (India), Sumit Anand, Chander Mohan Thakur, Anushreeta Borah, Abbott (United States)

THU-PP01-160 **Multipoint Pacing Results in Long-term Clinical Benefits in CRT Patients: World-Wide Retrospective Analysis**
Christophe Leclercq, University Hospital of Rennes (France), Imran Niazi, Aurora Cardiovascular Services (United States), Peter Lercher, Landeskrankenhaus - Universitätsklinikum Graz (Austria), Maurizio Lunati, Granda Hospital (Italy), Roberto Rordorf, Policlinico San Matteo (Italy), Maurizio Landolina, Ospedale Maggiore di Crema (Italy), Nima Badie, Kwangdeok Lee, Abbott (United States), Carlo Pappone, IRCCS Policlinico San Donato (Italy), Gery Tomassoni, Lexington Cardiology at Central Baptist (United States)

THU-PP01-161 **Enabling Automated Programming Optimization in Cardiac Resynchronization Therapy Defibrillator Devices using Innovative Device Algorithms: Cost-Effectiveness Analysis for Australia**
Xiaoxiao Alice Lu, Medtronic (United States), Abhishek Maan, Brown University (United States), Rashmi Joglekar, Medtronic Australasia Pty Ltd. (Australia), Stelios Tsintzos, Medtronic International Trading Sarl (Switzerland), Tom Goss, Boston Healthcare Associates (United States), Edwin Kevin Heist, Massachusetts General Hospital (United States)

THU-PP01-162 **Cardiac Contractility Modulator in Heart Failure Treatment-Single Center Australian Experience**
Emily Kotschet, Stewart Healy, Colin Machado, Jeff Alison, Monash Heart (Australia)

THU-PP01-163 **His Bundle Pacing in Heart Failure Patients with Left Bundle Branch Block: Our Early Experience**
Makoto Ono, Yasuhiro Yoshiga, Takahiro Mito, Masakazu Fukuda, Takuya Omuro, Masafumi Yano, Yamaguchi University Hospital (Japan), Akihiko Shimizu, Ube-Kohsan Central Hospital (Japan)

THU-PP01-164 **Influence of Continuous AV Delay Adjustment on CRT**
Yoshifumi Ikeda, Ritsushi Kato, Koji Goto, Takahiko Nagase, Sayaka Tanaka, Sou Asano, Hitoshi Mori, Mai Tawara, Kazuo Matsumoto, Saitama Medical University International Medical Center (Japan)

THU-PP01-165 **Incidence and Predictors of Ventricular Arrhythmia after Implanted Cardiac Resynchronization Therapy Device**
Porntera Sethalao, Napawan Pornnimitthum, Arisara Suwanagool, Faculty of Medicine Siriraj Hospital (Thailand)

THU-PP01-166 **Clinical Response with Adaptive CRT Algorithm in Real World Setting- Does Intrinsic QRS Morphology Matter?**
Katherine Fan, Cyril Ko, Marc Cheng, Grantham Hospital HK (Hong Kong) Vannes Chow, Shirley Chau, Medtronic Hong Kong (Hong Kong)

THU-PP01-167 **Validation of Valid-CRT and Earrn Risk Score Models for Mortality Prediction in Chinese Patients Treated**

with Cardiac Resynchronization Therapy

Liu Shangyu, Liu Zhimin, Fuwai Hospital, and National Center for Cardiovascular Diseases (China), Yang Shengwen, Fuwai Hospital, and National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences & Peking Union Medical College (China)

THU-PP01-168 Clinical and Outcome Associations of Morphological QRS Fragmentation in Heart Failure with Preserved Ejection Fraction

Sheng-Hsiung Chang, Cheng-Huang Su, Hung-I Yeh, Jen-Yuan Kuo, Mackay Memorial Hospital (Taiwan)

THU-PP01-169 Comparison of Demographic Profile of Patients Undergoing Cardiac Resynchronisation Therapy (CRT-D/CRT-P) - A Tertiary Care, High Volume Centre Study

Aparna Jaswal, Anil Saxena, Habiba V, Vaishali Katyal, Vipul Gupta, Fortis Escorts Heart Institute (India)

THU-PP01-170 Triple Count Caused by P Wave and T Wave Oversensing in a Patient with the Subcutaneous Implantable Cardioverter-Defibrillator

Hiddenori Tani, Kazuaki Nakajima, Keio University School of Medicine (Japan)

THU-PP01-171 Implantation of DDDR Pacemaker in a Patient with Dextrocardia, Persistent Left Superior Vena Cava

Ran Jing, Han Jin, Ligang Ding, Fu Wai Hospital of the Chinese Academy (China)

THU-PP01-172 Retained Sub-Selectors in Cardiac Resynchronization Therapy (CRTD) Recipients

Rajinderdeep Kaur, Devinder Singh, Toon Wei Lim, Wee Tiong Yeo, Swee Chong Seow, Pipin Kojodjojo, National University Health Systems (Singapore)

THU-PP01-173 Comparison of His Bundle Pacing and Ventricular Septal Pacing to Left Ventricular Performance and Ventricular Synchrony by Speckle-Tracking Strain Echocardiographic Analysis

Hiroshi Yokoe, Akihiro Kawamura, Akira Moriguchi, Shinichi Hirotani, Shigeo Kawano, Eisai Rin, Takahiro Yamaguchi, Naruto Matsuda, Shigeaki Otake, Kawachi General Hospital (Japan)

THU-PP01-174 Simultaneous Leadless Pacemaker and Subcutaneous Implantable Cardioverter Defibrillator Implantation - When Vascular Options Have Run Out

Jit Beng Ng, Kelvin Chua, Wee Siong Teo, National Heart Centre Singapore (Singapore)

THU-PP01-175 Subclavian Artery Lead Placement

Chen Ting Tan, Sarawak Hear Center (Malaysia)

THU-PP01-176 Twiddler's Syndrome: An Uncommon Cause of Pacemaker Failure

Nee Hooi Tan, Chong Aik Goh, Poi Keong Kong, Omar Ismail, Penang General Hospital (Malaysia)

THU-PP01-177 Cardiac Resynchronisation Therapy in a Patient with Coronary Sinus Atresia

Simon James, Andrew Turley, Michael Chapman, James Cook University Hospital (United Kingdom), Dewi Thomas, Morriston Hospital (United Kingdom), Nicholas Child, North Tees University Hospital (United Kingdom)

THU-PP01-178 Transient Mild Hyperkalemia Induced T-Wave Oversensing Causing an Intermittent Loss of Biventricular Pacing in a Patient with Non-Ischemic Cardiomyopathy

Akira Maesato, Sugako Ishigaki, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

THU-PP01-179 Complete Atrioventricular Block Case Diagnosed as Kearns Sayre Syndrome

In Geol Song, Yeong-Hoon Seo, Ki-Hong Kim, Taek_ keun Kwon, Jang-Ho Bae, Konyang University Hospital (South Korea)

THU-PP01-180 **Biventricular Pacing Dynamically Adjusted to Individual Intrinsic Atrioventricular Interval Improve the Left Ventricular Function from Responder to Super-responder**

Nobuhiro Nishiyama, Yuhei Isonaga, Masahiro Morise, Takanobu Yamada, Chinatsu Komiyama, Ayako Harima, Masanori Kuwabara, Yasuhiro Tomita, Takahide Kodama, Yo Fujimoto, Haruo Mitani, Toranomom Hospital (Japan)

THU-PP01-181 **CRT: A Bane or Boon**

Abhinay Tibdewal, Prakash V S, MS Ramaiah Medical College (India)

THU-PP01-182 **Loss of Capture after the Replacement of Pacemaker: A Case Because of Accident**

Qinhui Sheng, Peking University First Hospital (China)

THU-PP01-183 **Severe Left Ventricular Dysfunction After Right Ventricular Apical Pacing: Pause before Cardiac Resynchronization Therapy?**

Debabrata Bera, Jugal Kishore, Daljeet Kaur Saggu, Sachin Yalagudri, Sridevi C, Calambur Narasimhan, Sunehra Chandramukhi, Johan Christopher, CARE Hospitals (India)

THU-PP01-184 **Uncommon Cause for Complete Heart Block**

Hiren Kevadiya, Krishna Kumar M., Narayanan Namboodiri K.K., Sivasankaran S., Ajithkumar V.K., Sree Chitra Thirunal Institute of Medical Sciences and Technology (India)

THU-PP01-185 **The Challenge of His-Bundle Pacing in Infiltrative Cardiomyopathy**

Chee Loong Chow, University of Melbourne (Australia), Barveen Abu Baker, Uwais Mohamed, Northern Hospital (Australia)

THU-PP01-186 **Incomplete Right Bundle Branch Block Preceded Symptoms of the Giant Sinus of Valsalva Aneurysm by 3 Years**

Yuhei Isonaga, Nobuhiro Nishiyama, Yasuhiro Tomita, Takanobu Yamada, Masahiro Morise, Chinatsu Komiyama, Ayako Harima, Masanari Kuwabara, Takahide Kodama, Yo Fujimoto, Makoto Wakatabe, Atsuhiko Sato, Keita Tanaka, Yoshihiro Naruse, Haruo Mitani, Toranomom Hospital (Japan)

THU-PP01-187 **Cardiac Relapse of Acute Myeloid Leukemia after Bone Marrow Transplantation Led to Sick Sinus Syndrome with Syncope and Superior Vena Cava Syndrome**

Takanobu Yamada, Nobuhiro Nishiyama, Yuhei Isonaga, Masahiro Morise, Chinatsu Komiyama, Ayako Harima, Masanari Kuwabara, Yasuhiro Tomita, Takahide Kodama, Yo Fujimoto, Makoto Wakatabe, Atsuhiko Sato, Keita Tanaka, Yoshihiro Naruse, Haruo Mitani, Toranomom Hospital (Japan)

THU-PP01-188 **Usefulness of a Subcutaneous Array Lead in Progressive Cardiac Conduction Defect**

Takuro Abe, Satoshi Higuchi, Natsuko Satomi, Miwa Kanai, Kyoichiro Yazaki, Daigo Yagishita, Koichiro Ejima, Morio Shoda, Nobuhisa Hagiwara, Tokyo Women's Medical University Hospital (Japan)

THU-PP01-189 **Oxalosis Induced Acquired Complete Heart Block: An Uncommon Presentation of Plant Poisoning**

Hiren Kevadiya, Narayanan Namboodiri K.K., Krishna Kumar M., Abhilash S.P., Ajithkumar V.K., Sree Chitra Thirunal Institute of Medical Sciences and Technology (India)

THU-PP01-190 **Presence of Repeated Syncope in Patient with Complete Left Bundle Branch Block: A Case Report**

Vu Van Ba, Le Tien Dung, Ngo Thi Hai Linh, Hoang Trung Kien, Le Ngoc Thanh, E Hospital (Vietnam)

THU-PP01-191 **T Wave Oversensing Notified by Lead Integrity Alert in a Patient with CRT-D**

Li Kang, Ding Yansheng, Zhou Jing, Peking University First Hospital (China)

THU-PP01-192 **Non-Contact Electrical Assessment on Cardiac Autonomic Activity in Neurally Mediated Syncope**

Bonpei Takase, Kenichi Hashimoto, National Defense Medical College (Japan)

THU-PP01-193 **Severe Myocardial Bridge Presenting as Paroxysmal Atrioventricular Block**

Chia-Chang Lin, Wei-Hsiang Lin, Chin-Sheng Lin, NDMC (Taiwan), Chao-Hung Lai, Armed Forces Taichung General Hospital (Taiwan)

THU-PP01-194 **Dual Chamber PPI in Extra-Cardiac Fontan: A Novel Technique**

Ulhas Pandurangi, Sivakumar Kothandam, Deep Chandh Raja, Anitha Sathishkumar, Benjamin Solomon, Madras Medical Mission (India)

THU-PP01-195 **From Failure to Synchrony; A Triple Challenge**

Nee Hooi Tan, Saravanan Krishnan, Omar Ismail, Penang General Hospital (Malaysia)

THU-PP01-196 **Transient Complete Heart Block Following Catheter Ablation of a Left Posterolateral Accessory Pathway**

Gordon Ho, Franz Schweis, David Krummen, Kurt Hoffmayer, Ulrika Birgersdotter-Green, Gregory Feld, University of California San Diego (United States)

THU-PP01-197 **Is Atrial Resynchronization a New Solution for Cardiac Resynchronization Therapy Non-Responders?**

Ilknur Can, Teerapat Nantsupawat, University of Minnesota (United States), Jian-Ming Li, Selcuk Adabag, Venkatakrishna Tholakanahalli, Minneapolis VA Health Care System (United States)

THU-PP01-198 **Dual Chamber Implantable Cardioverter-Defibrillator Being Functional Cardio-Resynchronization Therapy in a Limb-Girdle Muscular Dystrophy Patient with Chronic Atrial Fibrillation and Ventricular Tachycardia**

Sung-Hao Huang, Wei-Hua Tang, Hsuan-Ming Tsao, National Yang-Ming Hospital (Taiwan)

THU-PP01-199 **Anchoring Wire Technique for Accessing Posterolateral Vein near Ostium Coronary Sinus in Cardiac Resynchronization Therapy**

Gunawan Yoga, Myint Thein, Beny Hartono, Muhammad Munawar, Binawaluya Cardiac Center (Indonesia)

THU-PP01-200 **Post Permanent Pacemaker (PPM) Implantation Cardiac Tamponade of 3-Hour Onset: A Diagnostic Dilemma**

Levina Tri Ratana, Muzakkir Amir, Hasanuddin University (Indonesia)

THU-PP01-201 **Co-Implantation of Subcutaneous Implantable Cardioverter Defibrillator and Transvenous Biventricular Pacemaker**

Mark TK Tam, Joseph YS Chan, Gary CP Chan, PWH (Hong Kong)

THU-PP01-202 **Iatrogenic Post Cardiac Injury Syndrome after Transvenous Permanent Pacemaker Implantation: A Diagnosis Requiring High Index of Suspicion**

Levina Ratana, Muzakkir Amir, Hasanuddin University (Indonesia)

THU-PP01-203 **Near-Zero Fluoroscopy Dual-Chamber Pacemaker Implantation in a 19-Year-Old Girl with Aortic Root Aneurysm and Aortic Regurgitation after Bentall Procedure**

Wei-Chieh Tseng, Shuenn-Nan Chiu, Chun-Wei Lu, Mei-Hwan Wu, National Taiwan University Hospital (Taiwan), Kun-Lang Wu, Changhua Christian Children Hospital (Taiwan)

THU-PP01-204 **Cardiac Sympathetic Denervation in Patients with Refractory Ventricular Arrhythmias and Uncontrolled Heart Failure: Two Cases Experience**

Keihiro Nakamura, Hikari Hashimoto, Yoshinari Enomoto, Takahito Takagi, Rina Ishii, Masato Nakamura, Toho University Ohashi Medical Center (Japan), Mahito Noro, Toho University Sakura Medical Center (Japan), Kaoru Sugi, Odawara Cardiovascular Hospital (Japan)

THU-PP01-205 **Failed Defibrillation Testing Due to Elevated High-Voltage Shock Electrode Impedance from Fibrous Tissue in an S-ICD Patient**

Jian-Ming Li, Venkatakrishna Tholakanahalli, Selcuk Adabag, VA Medical Center, University of Minnesota (United States), Yanhui Li, Tsinghua University (China), Teerapat Nantsupawat, David Benditt, University of Minnesota Medical School (United States)

Poster Presentation – AF Ablation

Date: Oct-18 | Time: 13:30-17:00

Venue: 1F, TWTC

THU-PP02-002 3D Electrode Spacing Is Closer at Atrial Fibrillation Drivers Where Ablation Terminates Atrial Fibrillation

Albert Rogers, Mark Swerdlow, Mahmood Alhusseini, Miguel Rodrigo, Christopher Kowalewski, Tina Baykaner, Junaid Zaman, Mohan Viswanathan, Paul Wang, Sanjiv Narayan, Stanford University (United States), Ricardo Abad, Orvil Collart, UC Berkeley, (United States), Wouter-Jan Rappel, UC San Diego, (United States)

THU-PP02-004 The Second Generation Cryoballoon Ablation is Safe and Useful for Atrial Fibrillation in Super-Elderly Patients over 80 Years

Takashi Yoshizawa, Satoshi Shizuta, Akihiro Komasa, Takanori Aizawa, Shintaro Yamagami, Takeshi Kimura, Kyoto University Hospital (Japan)

THU-PP02-005 Clinical Outcome of Second Generation Balloon Cryoablation for Paroxysmal Atrial Fibrillation

Jun Liu, Xiaofeng Li, Hao Zhang, Pihua Fang, Fuwai Hospital (China)

THU-PP02-006 The Initial Experience of Cryoballoon Ablation for Atrial Fibrillation by Isolation of Superior Vena Cava

Jun Liu, Hao Zhang, Xiaofeng Li, Pihua Fang, Fuwai Hospital (China)

THU-PP02-007 Single Centre Experience in Atrial Tachycardia and Atrial Flutter Ablation using Rhythmia

Suraya Hani Kamsani, Keng Tat Koh, Giky Karwiky, Aslannif Roslan, Chan Ho Thum, Zunida Ali, Noor Asyikin Sahat, Azlina Daud, Amirzua Ahmad Said, Gina Dayang Mani, Zulkeflee Muhammad, Surinder Kaur Atma Singh, Azlan Hussin, Institut Jantung Negara (Malaysia)

THU-PP02-008 Flexible, Kerfed Ablation Catheter Tip Provides Superior Stability in a Bench Model

Nicholas Ambrosius, Jeffrey Fish, John Tranter, Abbott Laboratories (United States)

THU-PP02-009 Catheter Radiofrequency Ablation for Atrial Fibrillation using Electroanatomical Mapping

Dr. Sarder Hossain, Labaid Cardiac Hospital (Bangladesh)

THU-PP02-010 Efficacy and Evaluation of Cryoballoon Ablation for Non-Valvular Atrial Fibrillation

Minetaka Maeda, Tomishiro Central Hospital (Japan)

THU-PP02-011 Cryoballoon Ablation Subsequently Decreases Platelet Activation Biomarkers in Maintained Sinus Rhythm Patients of Paroxysmal Atrial Fibrillation

Khalid Bin Waleed, Dalian Medical University (China)

THU-PP02-012 Real World Experience in Atrial Fibrillation Ablation using a Contact Force Catheter and Stability Module at a High Volume Center in China

Huimin Chu, Jing Liu, Bin He, Guohua Fu, Xianfeng Du, MingJun Feng, Yibo Yu, Ningbo Hospital Affiliated to Zhejiang University (China), Tina D. Hunter, CTI Clinical Trial & Consulting Services (United States)

THU-PP02-013 Interactions between Drivers at Termination Sites of Persistent Atrial Fibrillation and Fibrillatory Conduction Revealed by Vector Fields

George Leef, Mark Swerdlow, Mahmood Alhusseini, Albert Rogers, Tina Baykaner, Paul Wang, Sanjiv Narayan, Stanford University School of Medicine (United States), Wouter-Jan Rappel, University of California San Diego Medical Center (United States)

THU-PP02-014 Iatrogenic Atrial Septal Hiatus after Cryoballoon Ablation in Patients with Atrial Fibrillation

Satoshi Takahashi, Kawasaki Hospital (Japan), Takanao Mine, Kenki Ashida, Hideyuki Kishima, Masaharu Ishihara, Tohru Masuyama, Hyogo College of Medicine (Japan)

THU-PP02-015 A Probe of a New Scoring System to Predict Late Recurrence after Radiofrequency Catheter Ablation in Patients with Atrial Fibrillation

Fan Bai, Cardiology (China), Qiming Liu, Chenkai Wu, Cardiology, Changsha (China)

THU-PP02-016 Total Atrial Conduction Time May be the Predictor of Atrial Fibrillation Recurrence after Catheter Ablation for Paroxysmal Atrial Fibrillation: Relationship Between the Time-Course of Electrical Atrial Remodeling and Structural Atrial Remodeling

Ryuichi Maenosono, Ichiki Hitoshi, Naoko Mizukami, Yasuhisa Iriki, Hideki Okui, Fuminori Namino, Shingo Yunoue, Saori Kobayashi, Yukimi Nakamura, Nanase Oozono, Izumi Masamoto, Yoshihisa Horioe, Toshinori Yuasa, Akira Kisanuki, Mitsuru Ohishi, Teruto Hashiguchi, Kagoshima University Hospital (Japan)

THU-PP02-017 Electroanatomical Characteristics of Recurrences of Atrial Tachyarrhythmias after Initial Procedure: Comparison Between Cryoballoon and Conventional Pulmonary Vein Isolation Strategy

Joji Morii, Masahiro Ogawa, Yoshiaki Idemoto, Tomo Komaki, Yoshihisa Nagata, Keijiro Saku, Shin-ichiro Miura, Fukuoka University School of Medicine (Japan)

THU-PP02-018 Improvement in Renal and Endothelial Function after Catheter Ablation in Patients with Persistent Atrial Fibrillation

Keisuke Okawa, Masahiro Sogo, Yuya Sudo, Satoko Ugawa, Masahiko Takahashi, Masayuki Doi, Kagawa Prefectural Central Hospital (Japan), Toru Miyoshi, Hiroshi Morita, Hiroshi Ito, Okayama University Hospital (Japan)

THU-PP02-019 The Distance Between Trans-Septal Puncture Site and Ablation Points in the Procedure of Pulmonary Vein Isolation

Hisao Matsuda, Yui Nakayama, Mizuho Kasahara, Shingo Kuwata, Norio Suzuki, Manabu Takai, Kouichi Mizuno, Akira Kasagawa, Marika Yamada, Makoto Takano, St. Marianna University School of Medicine, Yokohama City Seibu Hospital (Japan), Ikutarou Nakajima, Tomoo Harada, Hidekazu Miyazaki, J. Yoshihiro Akashi, St. Marianna University School of Medicine (Japan)

THU-PP02-020 The Impact of the Radiofrequency Catheter Ablation of Super Longstanding Atrial Fibrillation

Yasunobu Haruki, Masayoshi Shibata, Ryoichi Kiyamura, Fukuda Koji, Yamakawa Yoko, Hokkaido Cardiovascular Hospital (Japan), Seiichiro Sakurai, Sapporo Arrhythmia Clinic (Japan)

THU-PP02-021 Ablation Index-Guided Circumferential Pulmonary Vein Isolation is Feasible and Safe: Validation of the Values Determined in Our Preliminary Study

Yasuaki Tanaka, Ken Okumura, Kazuki Mitarai, Michiru Nomoto, Kodai Negishi, Katsuhide Hayashi, Hideharu Okamatsu, Takuo Tsurugi, Junjiro Koyama, Saiseikai Kumamoto Hospital (Japan)

THU-PP02-022 Distance between the Right Superior and Inferior Pulmonary Vein Orifices Affects the Effect of Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

Yasuaki Tanaka, Ken Okumura, Kazuki Mitarai, Michiru Nomoto, Kodai Negishi, Katsuhide Hayashi, Hideharu Okamatsu, Takuo Tsurugi, Junjiro Koyama, Saiseikai Kumamoto Hospital (Japan)

THU-PP02-023 A Case of Spiral Activation in the Superior Vena Cava Isolated by Cryoballoon Ablation of the Right Superior Pulmonary Vein on Ultra-High-Resolution Mapping

Yohei Sumino, Yuichi Hanaki, Hitoshi Hachiya, Satoshi Hara, Yoshikazu Satoh, Akinori Sugano, Kazuya Yamao, Shigeki Kusa,

Miyako Igarashi, Yoshito Iesaka, Tsuchiura Kyodo General Hospital (Japan)

THU-PP02-025 Efficacy of Catheter Ablation in Patients with Acute Decompensated Heart Failure Complicated by Atrial Fibrillation

Reo Hata, Hiroshi Tasaka, Masatomo Ozaki, Mitsuru Yoshino, Noriyuki Ohashi, Kazushige Kadota, Kurashiki Central Hospital (Japan)

THU-PP02-026 Arrhythmia-Specific Automated Electroanatomical Mapping and Lesion Tracking Parameters for Catheter Ablation of Multiple Cardiac Arrhythmias: A Multicenter Experience

Paolo Della Bella, Ospedale San Raffaele (Italy), Vincent van Driel, HagaZiekenhuis Locatie Leyenburg (Netherlands), Christopher Piorkowski, Herzzentrum Dresden GmbH Universitätsklinik (Germany), Bertrand Pierre, C.H.R.U. TOURS, CHRU de Tours (France), Claudio Tondo, Monzino Cardiac Center (Italy), Philipp Sommer, Heart Center Leipzig (Germany), Franz Xaver Roithinger, Landesklinikum Wiener Neustadt (Austria), Herve Poty, Clinique la Protestante (France), Amber Miller, Abbott (United States), Jean-Paul Albenque, Clinique Pasteur Toulouse (France)

THU-PP02-027 Efficient Real World Automated Electroanatomical Mapping of Multiple Cardiac Rhythms

Paolo Della Bella, Ospedale San Raffaele (Italy), Vincent van Driel, HagaZiekenhuis Locatie Leyenburg (Netherlands), Bertrand Pierre, C.H.R.U. TOURS (France), Claudio Tondo, Monzino Cardiac Center (Italy), Philipp Sommer, Heart Center Leipzig (Germany), Franz Xaver Roithinger, Landesklinikum Wiener Neustadt (Austria), Herve Poty, Clinique la Protestante (France), Amber Miller, Abbott (United States), Jean-Paul Albenque, Clinique Pasteur Toulouse (France)

THU-PP02-028 Are the Use of Imaging Technologies before the Procedure Impactful in Outcome of Pulmonary Vein Cryoablation for Recurrent AF?

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THU-PP02-029 Is the Cryoablation an Effective Treatment for Paroxysmal AF Patients with Structural Heart Disease? Clinical Outcomes from Multicenter Observational Project

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THU-PP02-030 Cryoablation for Paroxysmal and Persistent AF in Patients with Structural Heart Disease: Clinical Outcomes from Multicenter Observational Project

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THU-PP02-031 Real-World Clinical Outcomes of Atrial Fibrillation Ablation in China with and without Contact Force

Sensing Catheter Technology

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THU-PP02-032 Real-World Clinical Outcomes of Atrial Fibrillation Ablation using Contact Force Sensing Technology in China

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THU-PP02-033 Segmental vs. Circumferential Ablation of Pulmonary Veins in Patients with Paroxysmal Af Fibrillation

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THU-PP02-034 Smart China Registry: Real-World Safety and Effectiveness of Contact Force-Sensing Catheters for Atrial Fibrillation Ablation in China

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THU-PP02-035 What the Pre-Procedural Transesophageal Echocardiogram before Ablations of Atrial Fibrillation Can Detect is not Only the Thrombus

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THU-PP02-036 The Quality of Life after Ablative Therapy in Patients with Atrial Fibrillation

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THU-PP02-037 An Effective Therapeutic Technique of Hot Balloon Ablation in Atrial Fibrillation

Mitsuhiro Fukata, Yasushi Mukai, Kei Irie, Keita Odashiro, Toru Maruyama, Hiroyuki Tsutsui, Koichi Akashi, Kyushu University (Japan)

THU-PP02-038 Left Atrial Fibrosis Predicts Recurrence of Atrial Fibrillation after Cryoballoon Ablation

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THU-PP02-039 Details of Early Recurrence of Atrial Fibrillation after Cryoballoon vs. Radiofrequency Ablation

Michifumi Tokuda, Teiichi Yamane, Seiichiro Matsuo, Seigo Yamashita, Hidenori Sato, Eri Okajima, Hirotugu Ikewaki, Hirotuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Ryohsuke Narui, Mika Kato, Shin-ichi Tanigawa, Michihiro Yoshimura, The Jikei University School of Medicine (Japan)

THU-PP02-040 Outcome of Redo Catheter Ablation in Patients Presenting with Organized Atrial Tachycardia after Ablation for Atrial Fibrillation

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THU-PP02-041 Atrial Fibrosis Assessment by CMR in RHD Patients with Mitral and Aortic Valve Involvement and Its Correlation with Atrial Fibrillation

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THU-PP02-042 Mild Low-Voltage Zone Predicts Atrial Fibrillation Recurrence after Pulmonary Vein Isolation in Patients without a Low-Voltage Zone

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THU-PP02-043 Efficacy of Figure-Of-Eight Suture for Venous Bleeding Complication after Catheter Ablation

Hirofumi Arai, Akira Mizukami, Yoshihiro Hanyu, Nozomu Kanehama, Shinichi Tachibana, Kazuto Hayasaka, Jiro Hiroki, Kenji Yoshioka, Shunsuke Kuroda, Tatsuya Hayashi, Shigeki Kimura, Akihiko Matsumura, Kameda Medical Center (Japan)

THU-PP02-044 Lower Balloon Temperature is Associated with Better Scarring Seen on Delayed-Enhancement MRI

Nilubon Methachittiphan, Brandon Woodbury, Nabil Zeineh, Deanna Tregoning, Nazem Akoum, University of Washington (United States)

THU-PP02-045 Novel Three-Dimensional Anatomic Characteristics of Pulmonary Veins for Predicting Recurrence of Cryoballoon Ablation in Patients with Paroxysmal Atrial Fibrillation (PAF)

Chieh-Mao Chuang, Li-Wei Lo, Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng Hu, Tze-Fan Chao, Da-Chuan Duan, Jo-Nan Liao, Ting-Yung Chang, Chin-Yu Lin, Cheng-I Wu, Chih-Min Liu, Chung-Hsing Lin, Jennifer Jeanne Vicera, Chun-Chao Chen, Chye Gen Chin, Po-Tseng Lee, Shin-Huei Liu, Wen-Han Cheng, Le Phat Tai, Sung-Hao Huang, Ching-Yao Chou, Allie Niu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

THU-PP02-046 The Impact of Non-Pulmonary Vein Foci in Cryoballoon Ablation for Paloxysmal Atrial Fibrillation

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THU-PP02-047 Pulmonary Vein Isolation with Visually Guided Laser Balloon: Initial Experience in Japan

Masaaki Yokoyama, Seigo Yamashita, Eri Okajima, Hidenori Sato, Hirotsugu Ikewaki, Hirotsuna Oseto, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Ryohsuke Narui, Mika Kato, Shinichi Tanigawa, Michifumi Tokuda, Seiichiro Matsuo, Satoru Miyanaga, Kenichi Sugimoto, Michihiro Yoshimura, The Jikei University School of Medicine (Japan)

THU-PP02-048 Use of Ablation Index Lowers Rate of Acute Pulmonary Vein Reconnection Following Adenosine Challenge

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THU-PP02-049 Relationship between Adenosine Test and Touch-up Ablation after Cryoballoon Ablation of Paroxysmal Atrial Fibrillation

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THU-PP02-050 Predictive Value of Non-Inducibility after Catheter Ablation of Atrial Fibrillation

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THU-PP02-051 Clinical and Echocardiographic Risk Factors Predict Late Recurrence after Radiofrequency Catheter Ablation of Atrial Fibrillation

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THU-PP02-052 Catheter Ablation in Non-Paroxysmal Atrial Fibrillation Patients with Tachycardia-Induced Cardiomyopathy

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THU-PP02-053 Impact of Age on Embolic Complications in Patients with Atrial Fibrillation

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THU-PP02-054 Increased Risk of Ischemic Stroke and Transient Ischemic Attack after Electrical Isolation of Left Atrial Appendage Which Is Independent of Flow Velocity of Left Atrial Appendage

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THU-PP02-055 Safety of Pulmonary Vein Isolation without Peri-Procedural Anticoagulation for Hemodialysis Patients

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THU-PP02-056 The Mechanism of Dynamic Change of Gastric Motility after the Catheter Ablation for Atrial Fibrillation: Assessment by Using ¹³C Acetate Breath Test

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THU-PP02-057 Impact of Catheter Ablation in Atrial Fibrillation Patients with Ischemic Cardiomyopathy

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THU-PP02-058 Efficacy and Safety in Cryoballoon Ablation without Contrast Medium for Paroxysmal Atrial Fibrillation

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THU-PP02-059 Second Ablation for Atrial Fibrillation with Rhythmia System

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THU-PP02-060 Comparison of Pulmonary Vein Isolation using Cryoballoon Versus Conventional Radiofrequency for Persistent Atrial Fibrillation

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THU-PP02-061 Single Catheter Ablation Technique is Non-Inferior to Conventional Pulmonary Vein Isolation in Patients with Atrial Fibrillation

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THU-PP02-062 Clinical Impact of Catheter Ablation for Atrial Fibrillation in Patients with Left Ventricular Systolic Dysfunction with Various Etiological Backgrounds

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THU-PP02-063 A Zero Fluoroscopy Approach for Atrial Fibrillation Ablation without the Use of Intracardiac Echocardiography

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THU-PP02-064 Impact of Linear Ablation Plus Rapid Activated Electrogram Guide Ablation on Clinical Outcome in Non-Paroxysmal Atrial Fibrillation Patients

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THU-PP02-065 Would Ablation Index Be a Useful Tool for Durable Pulmonary Vein Isolation?

Iwanari Kawamura, Seiji Fukamizu, Tomoyuki Arai, Sho Tanabe, Kohei Kawajiri, Daisuke Miyahara, Yasuki Koyano, Sayuri Tokioka, Marina Arai, Dai Inagaki, Tomonori Miyabe, Satoshi Miyazawa, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Hakurada, Tokyo Metropolitan Health and Hospitals Corporation (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University (Japan)

THU-PP02-066 Echo-Guided Linear Ablation Induces Efficient and High Successful Left Atrial Anterior Blockline

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THU-PP02-067 Post-Ablation Cerebral Thromboembolisms in Balloon-Based Ablation of Atrial Fibrillation with Periprocedural Direct Oral Anticoagulants: A Comparison Between Cryoballoon and Hotballoon Ablation

Kohki Nakamura, Takehito Sasaki, Yutaka Take, Kentaro Minami, Shigeto Naito, Gunma Prefectural Cardiovascular Center (Japan)

THU-PP02-068 Efficacy of Ablation for the Multifocal Atrial Ectopic Beats Which do not Initiate Atrial Fibrillation: to Burn, or Not to Burn?

Takamitsu Takagi, Yosuke Hayashi, Jun Nakajima, Yasuaki Tanaka, Katsumasa Takagi, Atsushi Takahashi, Yokosuka Kyosai Hospital (Japan), Kenzo Hirao, Tokyo Medical Dental University Hospital (Japan)

THU-PP02-069 Does Pulmonary Vein Isolation using the Cryoballoon Increase the Incidence of Esophageal Damage Compared with Radiofrequency Ablation?

Ken-ichi Maeno, Shigetoshi Sakabe, Atsunobu Kasai, Japanese Red Cross Ise Hospital (Japan)

THU-PP02-070 Mapping with Ensité HD Grid Catheter to Confirm Temporal Stability of Left Atrial Electrical Characteristics in Longstanding Persistent Atrial Fibrillation

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THU-PP02-071 Characteristics of the Substrate in Long Standing Persistent Atrial Fibrillation: Insight from Ensité HD Grid Catheter

Mehrdad Emami, Dominik Linz, Ricardo Mishima, Anand Thyiragarajah, Andien Munawar, Kashif Khokhar, Kadhim Kadhim, Rajiv Mahajan, Dennis Lau, Prashanthan Sanders, The University of Adelaide (Australia), Rayed Kutieleh, Abbott Medical (Australia), Geoffrey Lee, Jonathon Kalman, University of Melbourne (Australia)

THU-PP02-072 Successful Transcatheter Thromboembolism of Acute Upper Limb Ischemia in Patient with Paroxysmal Atrial Fibrillation

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THU-PP02-073 Left Atrial Volume and Voltage in Patients with Atrial Fibrillation Assessed by Pentaray Catheter

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THU-PP02-074 Silent Cerebral Embolism after Catheter Ablation of Atrial Fibrillation using Cryoballoon or Hotballoon

Eri Okajima, Michifumi Tokuda, Hidenori Sato, Hirotsugu Ikewaki, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Kenichi Yokoyama, Mika Kato, Ryohsuke Narui, Shin-ichi Tanigawa, Seigo Yamashita, Seiichiro Matsuo, Teiichi Yamane, Michihiro Yoshimura, The Jikei University School of Medicine (Japan)

THU-PP02-075 Moderate Alcohol Consumption is Associated with Atrial Fibrosis and Conduction Slowing in the Atrial Fibrillation Population: Insights from High Density Left Atrial Electroanatomical Mapping

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THU-PP02-076 Regular Alcohol Consumption is Associated with Impaired Atrial Mechanical Function and Epicardial Fat Deposition in the Atrial Fibrillation Population: A Cross-Sectional MRI-Based Study

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THU-PP02-077 Ten-Year Ablation Outcome in Patients with Paroxysmal Atrial Fibrillation Receiving Circumferential Pulmonary Vein Isolation

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THU-PP02-078 Catheter Ablation of Immediate Recurrence of Atrial Fibrillation Triggers after Pulmonary Vein Isolation

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THU-PP02-079 Association of Body Mass Index with Ablation Success and Comorbidities in Patients with Atrial

Fibrillation

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THU-PP02-080 Arrhythmogenicity and Thrombogenicity of the Residual Left Atrial Appendage Stump Following Surgical Exclusion of the Appendage in Patients with Atrial Fibrillation

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THU-PP02-081 Risk of Stroke in Subclinical Atrial Fibrillation: Results from a Meta-Analysis

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THU-PP02-082 Prevalence of Triggers from Non-Pulmonary Vein Sites in Patients with Prior Coronary Artery Bypass Grafting or Maze Procedure Undergoing Catheter Ablation for Atrial Fibrillation

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THU-PP02-083 Venous Access-Site Complication Rate with Real-Time Ultrasound Guidance in Morbidly Obese Patients Undergoing Catheter Ablation for Atrial Fibrillation Under Uninterrupted Anticoagulation

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THU-PP02-084 Comparison of Recurrence Modality in the Blanking Period and Pulmonary Vein Isolation Durability: Radiofrequency Catheter Ablation vs. Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

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THU-PP02-085 Feasibility of a Novel Dynamic Mapping System for Panoramic Mapping Using High Density Catheter for Atrial Fibrillation

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THU-PP02-086 Significant Reduction of Radiation Exposure in Pulmonary Vein Isolation using Fast Anatomical Map

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THU-PP02-087 Additional Posterior Wall Isolation Causes Gastric Hypoperistalsis in the Catheter Ablation for Atrial Fibrillation

Jun Oikawa, Hidehira Fukaya, Jun Kishihara, Akira Satoh, Takuya Wada, Gen Matsuura, Yuki Arakawa, Shuhei Kobayashi, Yuki Shirakawa, Ai Horiguchi, Ryo Nishinarita, Hironori Nakamura, Naruya Ishizue, Gen Igarashi, Chikatoshi Katada, Satoshi Tanabe, Shinichi Niwano, Junya Ako, Kitasato University School of Medicine (Japan)

THU-PP02-088 A Comparison of Usability and Success Rate between Ablaze and Flexability in Atrial Fibrillation Ablation

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THU-PP02-089 Implication of Pulmonary Vein Isolation using Cryoballoon Versus Visually Guided Laser Balloon

Masahiko Nakao, Shingo Maeda, Hirofumi Kujiraoka, Yutaka Enomoto, Tasuku Yamamoto, Kiko Lee, Masahiro Sekigawa, Atsuhiko Yagishita, Yoshihide Takahashi, Mihoko Kawabata, Masahiko Goya, Kenzo Hirao, Tokyo Medical and Dental University (Japan)

THU-PP02-090 Acute Procedural Effect of Hotballoon and Cryoballoon Ablation for Pulmonary Vein Isolation

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THU-PP02-092 Interrupted RF Applications Produce Lesions of Similar Size Compared to Continuous RF Applications of the Same Duration

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THU-PP02-093 Trends and Outcome of Catheter Ablation for Atrial Fibrillation over 9 Years: Focused on Empirical Extra-Pulmonary Vein Ablation

Je-Wook Park, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine, Severance Hospital (South Korea)

THU-PP02-094 Heart Rate Changes after Pulmonary Vein Isolation with Radiofrequency or Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

Hokuto Yamagishi, Shigetoshi Sakabe, Kenichi Maeno, Atsunobu Kasai, Japanese Red Cross Ise Hospital (Japan)

THU-PP02-095 Extra-Pulmonary Vein Ablation Increases Left Atrial Pressure More Significantly among the Patients Who Underwent Repeat Ablation for Atrial Fibrillation

Je-Wook Park, In-Soo Kim, Moo-nyun Jin, Han-Joon Bae, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine, Severance Hospital (South Korea)

THU-PP02-096 Impact of the Initial Contact Force in the Pulmonary Vein Isolation Guided by the Lesion Size Index

Yasushi Suzuki, Yoshitaka Ito, Kazuhiro Naito, Hiroki Kojima, Mayu Suzuki, Isao Kato, Tetsuya Amano, Aichi Medical University (Japan)

THU-PP02-097 Does Contact Force Really Impact RF Ablation Lesion Size?

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THU-PP02-098 Gender Differences in Structural Remodeling and Clinical Outcomes Among Patients Undergoing Atrial Fibrillation Ablation

Takanori Yamaguchi, Koichi Node, Saga University (Japan), Takeshi Tsuchiya, Toyokazu Otsubo, Yuya Takahashi, EP Expert Doctors-Team Tsuchiya (Japan), Akira Fukui, Kei Hirota, Naohiko Takahashi, Oita University (Japan), Yuki Kawano, Kenichi Eshima, Saga-ken Medical Centre Koseikan (Japan)

THU-PP02-099 Incidence of Pulmonary Reconnection in Contact Force and Cryoballoon Era

Yukoh Hirai, Kure Kyosai Hospital (Japan)

THU-PP02-100 Risk Factors for Pulmonary Vein Stenosis after Cryoballoon Ablation for Atrial Fibrillation

Hiroshi Miyama, Takehiro Kimura, Kenji Hashimoto, Terumasa Yamashita, Taishi Fujisawa, Kazuaki Nakajima, Yoshinori Katsumata, Takahiko Nishiyama, Yoshiyasu Aizawa, Keiichi Fukuda, Seiji Takatsuki, Keio University School of Medicine (Japan)

THU-PP02-101 Impact of Chronic Pulmonary Vein Reconnections on Clinical Outcomes in the Second Ablation Procedures for Recurrent Atrial Fibrillation

Takeshi Harita, Tenri Hospital (Japan)

THU-PP02-102 Transient Phrenic Nerve Injury inside Cardiac Silhouette Predicted by Phrenic Nerve Mapping from Right Superior Pulmonary Vein

Atsushi Suzuki, Naohiko Kawaguchi, Ryota Maeno, Kuniyoshi Sato, Mie Ochida, Tasuku Murakami, Shingo Watanabe, Shunji Yoshikawa, Yasuhito Yamamoto, Michio Usui, Tokyo Yamate Medical Center (Japan), Yasuteru Yamauchi, Yokohama Minato Red Cross Hospital (Japan), Kenzo Hirao, Tokyo Medical and Dental University (Japan)

THU-PP02-103 Redefining the Blanking Period after the Maze Procedure for Atrial Fibrillation

Jin Hee Choi, Ki Won Hwang, Soo Yong Lee, Min Ku Chon, Sang Hyun Lee, Jeong Su Kim, Yong-Hyun Park, June Hong Kim, Kook Jin Chun, Hyung Gon Je, Sang Kwon Lee, Pusan National University Yangsan Hospital (South Korea)

THU-PP02-104 Pitfalls with Concomitant Left Atrial Appendage Occlusion

Rahul Doshi, Steven Carlson, Mary Huntsinger, Jina Sohn, Kenneth Kita, LAC+USC and Keck Medical Centers (United States)

THU-PP02-105 The Impact of Ripple Mapping on Determining Ablation Target for the Remaining Conduction of Pulmonary Vein Isolation and Linear Lesion in Patients with Refractory Atrial Fibrillation

Yuichi Hanaki, Yohei Sumino, Satoshi Hara, Yoshikatsu Sato, Akinori Sugano, Kazuya Yamao, Shigeki Kusa, Miyako Igarashi, Hitoshi Hachiya, Yoshihito Iesaka, Tsuchiura Kyodo Hospital (Japan)

THU-PP02-106 A Comparison of Emergency Versus Elective Electrical Cardioversion for Intermittent Persistent Atrial Fibrillation: A Multi-Center Study

Elana Kalman, Aleksandr Voskoboinik, Jeremy Moskovitch, Alfred Health (Australia), George Plunkett, Jonathan Kalman, Royal Melbourne Hospital (Australia), Peter Kistler, Baker Institute (Australia)

THU-PP02-107 The Relationship Between Pulmonary Vein Diameter and Electrical Isolation using Cryoablation Technique

Yu Kojima, Akari Takahashi, Tomoya Kida, Keigo Nakazawa, Tsutomu Saiki, Keiko Komori, Tokai University Hospital (Japan), Tadashi Hashida, Susumu Sakama, Kengo Ayabe, Shigetaka Kanda, Mari Amino, Koichiro Yoshioka, Tokai University School of Medicine (Japan)

THU-PP02-108 Incremental Pacing Identifies Target Atrial Substrate in AF

Geoffrey Wong, Chrisan Nalliah, Ramanathan Parameswaran, Rob Anderson, Joseph Morton, Geoff Lee, Jonathan Kalman, Royal Melbourne Hospital (Australia), Alex Voskoboinik, Sandeep Prabhu, Hariharan Sugumar, Liang-Han Ling, Peter Kistler, Alfred Health (Australia)

THU-PP02-109 Relationships between Information Theoretic Measures (Entropy) in Human, Animal Experimental and Computer Simulated Atrial Fibrillation (AF)

Dhani Dharmapranj, Shivshankar Thanigaimani, Flinders University (Australia), Andrew McGavigan, Lukah Dykes, Anand Ganesan, Flinders Medical Centre (Australia), Darius Chapman, University of Adelaide (Australia), Rayed Kutieleh, Abbott (Australia), Pawel Kuklik, University Medical Centre (Germany)

THU-PP02-110 What is the Spatial Accuracy of the Carto Paso Module? An Independent Computational Geometric Analysis

Dhani Dharmapranj, Flinders University (Australia), Anand Ganesan, Andrew McGavigan, Flinders Medical Centre (Australia)

THU-PP02-111 Budding Experience in Ablation of Atrial Fibrillation using 3D Mapping System at Yangon General

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Nwe Nwe, Thet Lel Swe Aye, Swe Yi Tint, Sein Khine, Theingi Tun, Yangon General Hospital (Myanmar)

THU-PP02-112 **Paucity of Rotors with Double Pentaray Regional High Density Mapping in Persistent Atrial Fibrillation**
Ramanathan Parameswaran, Mukund Prabhu, Geoff Wong, Chrishan Nalliah, Robert Anderson, Anggia Lubis, Arie Lorin Schwartz, Troy Watts, Shannon Watt, Anna Cirjak, Kim Arendshorst, Alex McLellan, Jonathan Kalman, Geoff Lee, Royal Melbourne Hospital (Australia), Aleksandr Voskoboinik, Hariharan Sugumar, Peter Kistler, Alfred Hospital (Australia)

THU-PP02-113 **High-Density Double Pentaray Mapping of the Left Atrial Appendage using Cartofinder: A Search for Left Atrial Appendage Drivers**
Ramanathan Parameswaran, Mukund Prabhu, Chrishan Nalliah, Geoff Wong, Robert Anderson, Anggia Lubis, Arie Lorin Schwartz, Troy Watts, Shannon Watt, Anna Cirjak, Kim Arendshorst, Alex McLellan, Jonathan Kalman, Geoff Lee, Royal Melbourne Hospital (Australia), Aleksandr Voskoboinik, Hariharan Sugumar, Peter Kistler, Alfred Hospital (Australia)

THU-PP02-114 **Efficacy and Safety of Radiofrequency Catheter Ablation for Atrial Fibrillation in Patients Undergoing Hemodialysis**
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THU-PP02-115 **Improving Mechanical Function of Left Atrial Appendage after Catheter Ablation is Associated with the Patients with Atrial Fibrillation and Low CHA₂ DS₂-VASC Score**
Hsuan-Ming Tsao, National Yang Ming University Hospital (Taiwan), Wei-Chih Hu, Chung Yuan Christian University (Taiwan), Shih-Ann Chen, Taipei Veterans General Hospital, (Taiwan)

THU-PP02-116 **Relationship Between Voltage Index and Force-Time Integral During Atrial Fibrillation Ablation Using Contact Force Ablation Catheter**
Po-Tseng Lee, Ting-Chun Huang, National Cheng-Kung University Hospital (Taiwan), Vu Van Ba, Chieh-Mao Chuang, Shih-Lin Chang, Yenn-Jiang Lin, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Chin-Yu Lin, Ting-Yung Chang, Le Phat Tai, Jennifer Jeane Vicera, Cheng-Yi Wu, Chih-Min Liu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

THU-PP02-117 **New Tailored Approach by Re-visiting the Assessment of Fragmented Potentials for Persistent Atrial Fibrillation: Early Area Defragmentation (EADF)**
Masatsugu Ohe, Go Haraguchi, Jun Kumanomido, Aya Obuchi, Kensuke Hori, Yoshihiro Fukumoto, Kurume University (Japan)

THU-PP02-118 **High Density Map Detects Electrical Activity in the Blind Spot of Lasso Controlled PVI**
Guenter Stix, Marianne Gwechenberger, Laura Stix, Dietrich Beitzke, Medical University of Vienna (Austria)

THU-PP02-119 **Spatial Relationship Between Right Inferior Pulmonary Vein and Right Atrium-SVC Junction Influences Isolation Results by Cryo-Balloon Ablation**
Tomihisa Nanao, Norishige Morita, Takayuki Iida, Akira Ueno, Yoshinori Kobayashi, Tokai University Hachioji Hospital (Japan)

THU-PP02-121 **High Density Ripple Mapping Facilitates Identification of the Critical Channel Within the Tachycardia Circuit of Uncommon Atrial Flutter**
Junjiroh Koyama, Ken Okumura, Kazuki Mitarai, Kodai Negishi, Katsuhide Hayashi, Michiru Nomoto, Hideharu Okamatsu, Takuo Tsurugi, Yasuaki Tanaka, Tomohiro Sakamoto, Saiseikai Kumamoto Hospital (Japan)

THU-PP02-122 **Phase Interpolation Determines the Nature of Activation Patterns in Human Persistent Atrial Fibrillation**

Bhupesh Pathik, Jonathan Kalman, Tomos Walters, Geoffrey Lee, Royal Melbourne Hospital (Australia), Pawel Kuklik, University Medical Center Hamburg-Eppendorf (Germany), Jichao Zhao, University of Auckland (New Zealand), Peter Kistler, Alfred Hospital and Baker IDI (Australia)

THU-PP02-123 High-Density Mapping of Persistent Atrial Fibrillation Using Cartofinder: Correlation of Short Cycle Length Driver Sites with Activation Patterns

Ramanathan Parameswaran, Mukund Prabhu, Chrishan Nalliah, Geoff Wong, Robert Anderson, Anggia Lubis, Arie Lorin Schwartz, Troy Watts, Shannon Watt, Anna Cirjak, Kim Arendshorst, Alex McLellan, Jonathan Kalman, Geoff Lee, Royal Melbourne Hospital (Australia), Aleksandr Voskoboinik, Hariharan Sugumar, Peter Kistler, Alfred Hospital (Australia)

THU-PP02-124 Sites Where Ablation Terminates Persistent Atrial Fibrillation Identified by Artificial Intelligence

Mahmood Alhusseini, Firas Abuzaid, Mark Swerdlow, Paul Clopton, Miguel Rodrigo, Junaid Zaman, Natasha Maniar, Albert Rogers, Gabriela Meckler, Tina Baykaner, Paul Wang, Peter Bailis, Matei Zaharia, Sanjiv Narayan, Stanford University (United States), Wouter Rappel, University of California (United States)

THU-PP02-125 Investigation of the Risk Factors of Complications Associated with Pulmonary Vein Isolation

Takumi J. Matsubara, Katsuhito Fujiu, Gaku Oguri, Eriko Hasumi, Toshiya Kojima, Issei Komuro, The University of Tokyo (Japan)

THU-PP02-126 Mid-term Outcome of Additional Line Ablation during Pulmonary Vein Isolation

Takashi Yamada, Takahisa Morimoto, Takao Hasegawa, Takaishi-Fujii Cardio-Vascular Hospital (Japan)

THU-PP02-127 The Relationship between Atrial Fibrillation Recurrence and the Appearance of AF Sustained for Less Than 30 Seconds on 7 Day ECG Monitoring

Ryoichi Kitamura, Masayoshi Shibata, Yasunobu Haruki, Hokkaido Cardiovascular Hospital (Japan), Seiichiro Sakurai, Sapporo Arrhythmia Clinic (Japan)

THU-PP02-128 Notched A and V Waveform Pattern Obtained with Direct Pressure Monitoring during Cryoballoon Ablation Predicts Adequate Pulmonary Vein Occlusions

Kentaro Goto, Yuichi Ono, Ayaka Kimura, Akifumi Tanaka, Ryo Yonai, Ken Tsuchiya, Hidtsugu Nomoto, Yuki Osaka, Toru Miyazaki, Asami Suzuki, Ken Kurihara, Kenichiro Otomo, Ome Municipal General Hospital (Japan), Kenzo Hirao, Tokyo Medical And Dental University (Japan)

THU-PP02-129 Radiofrequency Ablation for Left Atrial Flutters in Rheumatic Heart Disease Following Valve Replacement: A Case Series

Ulhas Pandurangi, Deep Chandh Raja, Sabari Saravanan, Anitha Sathishkumar, Benjamin Solomon, Ravikumar Murugesan, Madras Medical Mission (India)

THU-PP02-130 Empirical Electrogram-Guided Superior Vena Cava Isolation (SVCI) without Confirming Ectopic Firing Improves Outcome in Paroxysmal Atrial Fibrillation (AF) Patients

Kei Hirota, Akira Fukui, Naohiko Takahashi, Oita University (Japan), Takeshi Tsuchiya, Takanori Yamaguchi, EP Expert Doctors-Team Tsuchiya (Japan), Kenichi Eshima, Saga-ken Medical Centre Koseikan (Japan)

THU-PP02-131 Procedural Parameters Using Different Technologies for Pulmonary Vein Isolation: Data from the Southeast and Central European Pulmonary Vein Isolation Registry (SECE PVI)

Nikola Pavlovic, Vjekoslav Radeljic, Ivan Zeljkovic, Ana Bojko, Šime Manola, University Hospital Center (Croatia), Vedran Velagic, Borka Pezo Nikolic, University Hospital Center Zagreb (Croatia), Vassil Traykov, Tokuda Hospital Sofia (Sofia, Bulgaria), Sandro Brusich, University Hospital Center Rijeka (Croatia), Andrej Pernat, Matevž Jan, University Medical Center Ljubljana (Slovenia), Daniel Scherr, University Hospital Graz (Austria)

THU-PP02-132 **Investigation of Recurrence and Safety After Cryoballoon Ablation for Atrial Fibrillation in Elderly Patients**

Satomi Yamaguchi, Etsuko Ikeda, Shingo Yoshimura, Jun Ida, Kei Yunoki, Takefumi Oka, Tsuyama Chuo Hospital (Japan)

THU-PP02-133 **Distribution of Atrial Fibrillation Triggers and Outcomes of Catheter Ablation at Different Age Groups**

Chung-Hsing Lin, Taipei Medical University, Shuang Ho Hospital (Taiwan), Shih-Lin Chang, Yenn-Jiang Lin, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

THU-PP02-134 **Electrophysiological Characteristics of the Atrial Substrate in the Atrial Fibrillation Patients of Different Age Groups**

Chung-Hsing Lin, Taipei Medical University, Shuang Ho Hospital (Taiwan), Shih-Lin Chang, Yenn-Jiang Lin, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

THU-PP02-135 **Aortic Stiffness Assessment in AF**

Kashif Khokhar, Dennis Lau, Rajiv Mahajn, Adrian Elliott, D. Andien Munawar, Ricardo Mishima, Dominik Linz, Kadhim Kadhim, Mehrdad Emami, Michael Stokes, Celine Gallagher, Prashanthan Sanders, Royal Adelaide Hospital, University of Adelaide (Australia), Martin Stiles, Waikato Hospital (New Zealand), Suzzane Edwards, University of Adelaide (Australia)

THU-PP02-136 **Predictors of Silent Cerebral Infarction Associated with Catheter Ablation for Atrial Fibrillation**

Yoshio Furukawa, Takahisa Yamada, Takashi Morita, Shunsuke Tamaki, Yusuke Iwasaki, Masato Kawasaki, Atsushi Kikuchi, Tsutomu Kawai, Masahiro Seo, Makoto Abe, Jun Nakamura, Kyoko Yamamoto, Kyoko Kayama, Masatsugu Kawahira, Kazuya Tanabe, Masatake Fukunami, Osaka General Medical Center (Japan)

THU-PP02-137 **HD Mapping Identifies the Most Efficient Ablation Strategy for Left AFL**

Jamie Kim, Catholic Medical Center (United States)

THU-PP02-138 **Association of Response to Electrical Cardioversion Prior to Catheter Ablation with Clinical Outcome in Nonparoxysmal Atrial Fibrillation Patients**

Kenichi Yokoyama, Seigo Yamashita, Hidenori Sato, Hirotsugu Ikewaki, Eri Okajima, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Tokutake, Ryohsuke Narui, Mika Kato, Shinichi Tanigawa, Michifumi Tokuda, Seiichiro Matsuo, Satoru Miyana, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane, Jikei University School of Medicine (Japan)

THU-PP02-139 **Touch-Up Ablation Sites after Cryoballoon Ablation are Significantly Associated with Pulmonary Vein Orientation**

Hideshi Aoyagi, Yasuhiro Yokoyama, Akira Saito, Hiroaki Nakamura, St. Luke's International Hospital (Japan)

THU-PP02-140 **Risk and Potential Mechanism of Complication after Radiofrequency Catheter Ablation for Atrial Fibrillation Depending on Age and Sex**

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THU-PP02-141 **Automark Utilization and Lesion Metric Targets: A Multicenter Japanese Experience**

Atsushi Hiratsuka, Tokuyama Central Hospital (Japan), Asumi Takei, Kobe Rosai Hospital (Japan), Furukawa Yoshio, Osaka General Medical Center (Japan), Kazuyasu Yoshitani, Hyogo Prefectural Amagasaki General Medical Center (Japan), Peter Gora, Abbott (United States), Yukiko Nakano, Hiroshima University Graduate School of Medicine (Japan)

THU-PP02-142 **How Long the Duration of Atrial Fibrillation is Associated with Poor Rhythm Outcome after Catheter Ablation?**

Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine (South Korea)

THU-PP02-143 Impact of Short Time and Low Power Ablation of the Posterior Left Atrial Wall on Esophageal Luminal Temperature During Pulmonary Vein Antrum Isolation in Patients with Atrial Fibrillation

Euijae Lee, Eue-Keun Choi, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea), Won-Seok Choe, Sejong General Hospital (South Korea), So-Ryoung Lee, Soon Chun Hyang University Hospital Seoul (South Korea)

THU-PP02-144 Early European Experience with a Novel High-Density Mapping Catheter

Paolo Della Bella, Ospedale San Raffaele (Italy), Yan Huo, Herzzentrum Dresden (Germany), Philipp Sommer, Herzzentrum Leipzig (Germany), Javier Moreno, Ramon Cajal (Spain), Martin Lowe, Bart's Heart Centre (United Kingdom), Isabel Deisenhofer, DHZ München (Germany), Peter Gora, Abbott (United States), Bertrand Pierre, C.H.R.U. TOURS (France)

THU-PP02-145 Efficacy of Optimal Ablation Index-Targeted Strategy for Pulmonary Vein Isolation in Patients with Atrial Fibrillation Compared to Conventional Strategy

So-Ryoung Lee, Soon Chun Hyang University Hospital Seoul (South Korea), Eue-Keun Choi, Euijae Lee, Won-Seok Choe, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea)

THU-PP02-146 Evaluation of Esophageal Thermal Injury after Atrial Fibrillation Ablation with LGE-MRI and EGD

Mihail Chelu, Alex Baher, Mobin Kheirkhahan, Benjamin Hardisty, Qussay Marashly, Mossab Aljuaaid, Ibrahim Tawhari, Eugene Kholmovski, Alan Morris, Gagandeep Kaur, Madan Acharya, Nassir Marrouche, University of Utah (United States)

THU-PP02-147 Cardiac Functional Status Influences Characteristics of Ganglionated Plexi and its Ablation Consequence in Patients with Non-Paroxysmal Atrial Fibrillation

Takayuki Iida, Norishige Morita, Tomihisa Nanao, Akira Ueno, Yoshinori Kobayashi, Tokai University Hachioji Hospital (Japan)

THU-PP02-148 Clinical Features of the Arrhythmogenic Superior Vena Cava in Patients with Atrial Fibrillation

Asumi Takei, Hiroyuki Takahara, Kenzo Fukuhara, Masamichi Yasutomi, Akira Kimata, Hiroaki Shiraki, Sonoko Hirayama, Tohru Ozawa, Nobutaka Inoue, Kobe Rosai Hospital (Japan)

THU-PP02-149 Whole Blood Coagulability is Enhanced by Transient Temperature Change

Anna Suzuki, Ai Oono, Yuki Hasegawa, Satomi Hamada, Kenzo Hirao, Tetsuo Sasano, Tokyo Medical and Dental University (Japan), Yasuteru Yamauchi, Kaoru Okishige, Yokohama City Minato Red Cross Hospital (Japan)

THU-PP02-150 Activation Patterns of Superior Vena Cava: Comparison Between Carto Confidense and Rhythmia

Koji Goto, Ritsushi Kato, Mai Tahara, Hitoshi Mori, So Asano, Sayaka Tanaka, Takahiko Nagase, Yoshifumi Ikeda, Shiro Iwanaga, Toshihiro Muramatsu, Kazuo Matsumoto, Saitama Medical University International Medical Center (Japan)

THU-PP02-151 Contact Force and Stability Guidance Ablation in Elderly Patients with Atrial Fibrillation

Masahiro Sogo, Keisuke Okawa, Satoshi Taya, Yuya Sudo, Ai Sakamoto, Satoko Ugawa, Masahiko Takahashi, Masayuki Doi, Kagawa Prefectural Central Hospital (Japan)

THU-PP02-152 Usefulness of High-Resolution Mapping System for Mitral Isthmus Ablation

Yuichiro Sakamoto, Ryo Yamaguchi, Daisuke Yoshimoto, Sachiko Bando, Takahiko Suzuki, Toyohashi Heart Center (Japan)

THU-PP02-153 Primary Predictive Factor for the Incidence of Esophageal Injury after Catheter Ablation of Atrial Fibrillation: Analysis of the Usefulness of CT and Esophageal Temperature Monitoring

Miwa Ito, Hiroshige Yamabe, Hisanori Kanazawa, Shozo Kaneko, Yusuke Kanemaru, Takuya Kiyama, Kenichi Tsujita, Kumamoto University (Japan)

- THU-PP02-154 **Contact Force Sensing Catheters in Atrial Fibrillation Ablation: A Meta-Analysis Review**
Thomas Agbaedeng, Kadhim Kadhim, Thira Rattanakosit, Dominik Linz, Dennis Lau, Prashanthan Sanders, Rajiv Mahajan, Adelaide (Australia)
- THU-PP02-155 **Fibrillation inside Superior Vena Cava after Pulmonary Vein Isolation**
Amar Vaswani, Myo Han, Paul Lim, Eric Lim, Wee Siong Teo, National Heart Centre (Singapore)
- THU-PP02-156 **Clinical Outcome of Catheter Ablation of Persistent Atrial Fibrillation in Young Adults: Comparison Between Incidentally Detected Versus Symptomatic AF**
Hee-Soon Park, Jae-Min Shim, Jong-Il Choi, Young-Hoon Kim, University of Korea Hospital (South Korea)
- THU-PP02-157 **Initial Chinese and European Multicenter Experience with New Automated Electroanatomic Mapping Systems in Various Cardiac Rhythms**
Hongde Hu, Hua Fu, Kaijun Cui, West China Hospital of Sichuan University (China), Jian Sun, Xinhua Hospital, Shanghai Jiao Tong University School of Medicine (China), Angela M. Ginkel, Abbott (United States), Lihui Zheng, Ligang Ding, Yan Yao, Fuwai Heart Hospital & Cardiovascular Institute (China)
- THU-PP02-158 **High Density Mapping of the Crista Terminalis Demonstrates Block and Rotational Activity: Implications for Persistent Atrial Fibrillation**
Chrishan Nalliah, Troy Watts, Geoffrey Lee, Geoffrey Wong, Sandeep Prabhu, Hariharan Sugumar, Alex Mclellan, Joseph Morton, Jonathan Kalman, The Royal Melbourne Hospital (Australia), Alex Voskoboinik, Liang-Han Ling, Peter Kistler, Alfred Hospital (Australia), Prashanthan Sanders, The Royal Adelaide Hospital (Australia)
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Vadivelu Ramalingam, Prashant Pawar, Neetu Bachani, Sunil Jatania, Chetan Rath, Robin Pinto, Yash Lokhandwala, Holy family Hospital and Research Institute (India)
- THU-PP02-160 **Speed and Density of Electroanatomic Mapping Using New Automated Software in China and Europe**
Hongde Hu, Hua Fu, Kaijun Cui, West China Hospital of Sichuan University (China), Jian Sun, Xinhua Hospital, Shanghai Jiao Tong University School of Medicine (China), Angela M. Ginkel Abbott, (United States), Lihui Zheng, Ligang Ding, Yan Yao, Fuwai Heart Hospital & Cardiovascular Institute (China)
- THU-PP02-161 **Automap Utilization and Threshold Settings for Mapping Persistent AF with a Novel Grid-Style Catheter**
Peter Gora, Abbott (United States), Philipp Sommer, University Leipzig (Germany), Isabel Deisenhofer, German Heart Center Munich, Technische Universitaet Munich (Germany), Xu Chen, Rigshospitalet (Denmark), Daniel Steven, University Heart Center Cologne, University Hospital Cologne (Germany), Yan Huo, University of Technology Dresden (Germany)
- THU-PP02-162 **Lesion Metric Utilization and Target Values: Comparison of Japanese and EU Experiences**
Atsushi Hiratsuka, Tokuyama Central Hospital (Japan), Iskandar Djajadisastra, St. Johannes Hospital (Germany), Daniel Raine, John Radcliffe Hospital (United Kingdom), Reza Alizadeh Dehnavi, LUMC (Netherlands), Simon James, James Cook University Hospital (United Kingdom), Yukiko Nakano, Hiroshima University Graduate School of Medicine (Japan), Peter Gora, Abbott (United States), Jean Louis Lloret, Clinique de l'Espérance (France)
- THU-PP02-163 **Pulmonary Vein Isolation in Young Patients with Paroxysmal Atrial Fibrillation using Cryo-Balloon Ablation**
Emily Kotschet, David Adam, Mohammad Alasti, Logan Bittinger, Jeff Alison, Monash Heart (Australia)

THU-PP02-164 Laser Balloon Pulmonary Vein Ablation in Patients with Friedreich'S Ataxia and Paroxysmal Atrial Fibrillation: Two Case Studies

Emily Kotschet, Mohammad Alasti, Jeff Alison, Monash Heart (Australia)

THU-PP02-165 AF Ablation Completely without Contrast Media Use

Yukoh Hirai, Kure Kyosai Hospital (Japan)

THU-PP02-166 Clinical Significance of Premature Atrial Contraction after Cryoballoon Ablation

Sato Hidenori, The Jikei University School of Medicine (Japan)

THU-PP02-167 The Utility of One Week Auto-Triggered Loop Recorder in Evaluation for Recurrence of Atrial Fibrillation after Catheter Ablation

Masahiro Sogo, Keisuke Okawa, Yuya Sudo, Ai Sakamoto, Satoko Ugawa, Masahiko Takahashi, Masayuki Doi, Kagawa Prefectural Central Hospital (Japan)

THU-PP02-168 Does Maintaining Sinus Rhythm by Catheter Ablation for Atrial Fibrillation Improve Cognitive Function?

Mamoru Manita, Naoko Yokota, Marohito Nakata, Namio Higa, Tomohiro Asahi, Kazuhiko Tabata, Naha City Hospital (Japan)

THU-PP02-169 Efficacy and Safety of Catheter Ablation with a Contact Force Sensing Technique for Korean Af Patients - A Prospective Registry Data

Yoo Ri Kim, Sung-Hwan Kim, Yong-Seog Oh, Ju-Yeon Kim, Tae-Suk Kim, You-Mi Hwang, Ji-Hoon Kim, Man Young Lee, Sung-won Jang, Tai-Ho Rho, The Catholic University of Korea (South Korea)

THU-PP02-170 Partial Interrupted Apixaban and Dabigatran vs. Uninterrupted Edoxaban and Rivaroxaban as the Periprocedural Anticoagulation in Patients Undergoing Catheter Ablation for Atrial Fibrillation

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THU-PP02-171 Short term Outcome of Catheter Ablation with Tacticath™ and Thermocool STSF™ for Persistent Atrial Fibrillation

Takato Mohri, Yosuke Miwa, Shinsuke Takeuchi, Mika Nagaoka, Yuichi Momose, Michitsugu Komeda, Noriko Nonoguchi, Kyoko Hoshida, Ikuko Togashi, Yo Hagiwara, Ueda Akiko, Toshiaki Sato, Kyoko Soejima, Kyorin University Hospital (Japan)

THU-PP02-172 The Application of Improved Imaging Pattern in Cryoballoon Catheter Ablation for Paroxysmal Atrial Fibrillation

Ni Suo, Guodong Niu, Jinxuan Lin, Tianjie Feng, Lihui Zheng, Ligang Ding, Xiaohan Fan, Zhimin Liu, Gang Chen, Yan Yao, Shu Zhang, Fuwai Hospital, Peking Union Medical College and Chinese Academy of Medical Sciences (China)

THU-PP02-173 Correlation between Pulmonary Vein Activity and Drivers on 3D Phase Mapping in Persistent Atrial Fibrillation

Ramanathan Parameswaran, Mukund Prabhu, Geoff Wong, Chrishan Nalliah, Aleksandr Voskoboinik, Hariharan Sugumar, Arie Lorin Schwartz, Anggia Lubis, Robert Anderson, Troy Watts, Shannon Watt, Darragh Flannery, Alex McLellan, Geoff Lee, Jonathan Kalman, Royal Melbourne Hospital (Australia), Peter Kistler, Alfred Hospital (Australia)

THU-PP02-174 High-Density Mapping of the Substrate for Atrial Fibrillation in Obstructive Sleep Apnoea: Implications for the Crista Terminalis and Posterior Right Atrium

Chrishan Nalliah, Geoffrey Wong, Alexander Voskoboinik, Geoffrey Lee, Troy Watts, Joseph Morton, Alex McLellan, Jonathan Kalman, The Royal Melbourne Hospital (Australia), Liang-Han Ling, Hariharan Sugumar, Peter Kistler, Alfred Hospital (Australia), Dominik Linz, Prashanthan Sanders, The Royal Adelaide Hospital (Australia)

THU-PP02-176 **Early Experience of Mapping Abnormal Activation Wavefronts in Atrial Fibrillation Using the Acqmap System**

Darragh Twomey, Simon James, Andrew Thornley, Matthew Bates, James Cook University Hospital (United Kingdom)

THU-PP02-177 **Difference in the Mechanism of Early and Late Phase Recurrent Atrial Fibrillation Following Catheter Ablation Procedure: Its Relation to the Subsequent Clinical Outcome**

Hisanori Kanazawa, Hiroshige Yamabe, Miwa Ito, Shozo Kaneko, Yusuke Kanemaru, Takuya Kiyama, Kenichi Tsujita, Kumamoto University (Japan)

THU-PP02-178 **Japanese Experience with a Magnetic Sensor Enabled Contact-Force Sensing Catheter**

Yasushi Suzuki, Aichi Medical University (Japan), Yukiko Nakano, Hiroshima University Hospital (Japan), Taku Asano, Showa University Fujigaoka Hospital (Japan), Asumi Takei, Kobe Rosai Hospital (Japan), Takanao Mine, Hyogo College of Medicine (Japan), Peter Gora, Abbott (United States), Atsushi Hiratsuka, Tokuyama Central Hospital (Japan)

THU-PP02-179 **Are ST and STSF Catheter differ in Ablation Index during HFSD Ablation in Patients with Atrial Fibrillation?**

Choi Minseok, Yuseong Sun Hospital (South Korea)

THU-PP02-180 **Acute Increase of Heart Rate after Pulmonary Vein Isolation Predict the Recurrence in Patients with Paroxysmal Atrial Fibrillation**

Yoshinao Sugai, Tohoku Medical and Pharmaceutical University (Japan), Koji Kumagai, Kentaro Minami, Shigeto Naito, Gunma Prefectural Cardiovascular Center (Japan)

THU-PP02-181 **Cardiac Tamponade after PVI in Patient with Situs Inversus**

Tetsuro Takase, Ayase Heart Hospital (Japan)

THU-PP02-182 **The Diversity of Cavotricuspid Isthmus Dependent Atrial Flutter Mimicking Centrifugal Atrial Tachycardia Assessed by Ultra-High-Resolution Electroanatomical Mapping**

Masato Fukunaga, Kenichi Hiroshima, Kenji Ando, Kokura Memorial Hospital (Japan)

THU-PP02-184 **Mapping Atrial Fibrillation using Advisor HD Grid- Early Experience**

Nabeela Karim, Jason Garcia, Neil Srinivasan, Richard Ang, Rui Providencia, Ross Hunter, Mehul Dhinoja, Oliver Segal, Peter Waddingham, Fakhar Khan, Pier Lambiase, Syed Ahsan, Martin Lowe, Richard Schilling, Anthony Chow, Barts Heart Centre (United Kingdom), Jackie Cooper, Queen Mary University of London (United Kingdom)

THU-PP02-185 **Uninterrupted DOAC VS. Uninterrupted VKA During Catheter Ablation of Non-Valvular Atrial Fibrillation: A Systematic Review and Meta-Analysis of Randomized Controlled Trials**

Luigi Di Biase, Roberto Cerrud-Rodriguez, Juan Carlos Diaz, Jose Taveras, Isabella Alviz, Vito Gruppiso, Luis Cerna, Ricardo Avendano, Jorge Romero, Montefiore Medical Center (United States), Gregory Michaud, Vanderbilt University Medical Center (United States), Saurabh Kumar, Westmead Hospital, University of Sydney (Australia), Andrea Natale, Texas Cardiac Arrhythmia Institute at St. David's Medical Center (United States), Paulus Kirchhof, University of Birmingham (United Kingdom)

THU-PP02-186 **Impact of Chronic Hepatitis C Flare on Long Term Clinical Outcomes in Patients with Atrial Fibrillation**

Sung Il Im, Kosin University Gospel Hospital (South Korea)

THU-PP02-187 **Impact of Chronic Hepatitis B Flare on Long-term Clinical Outcomes in Patients with Atrial Fibrillation**

Sung Il Im, Kosin University Gospel Hospital (South Korea)

- THU-PP02-188 **Targeting Amino Acids Metabolic Profile to Identify Novel Metabolic Characteristics in Atrial Fibrillation**
Jlanqing She, First Affiliated Hospital of Medical College, Xi'an Jiaotong University (China)
- THU-PP02-189 **Diagnostic Accuracy of Detection of Atrial Fibrillation Using Smartphones: A Meta-Analysis**
Eric John Marayag, University of Santo Tomas Hospital (Philippines)
- THU-PP02-190 **Comparison of the Left Atrial Appendage Flow Velocity Between the Transthoracic and Transesophageal Measurements**
Daisuke Kawano, Hitoshi Mori, Tsukasa Naganuma, Akira Hamabe, Mai Tahara, Kazuhiro Nakaya, Tomiharu Niida, Kazuki Satou, Hirotsugu Tabata, Japan Self Defense Forces Central Hospital (Japan)
- THU-PP02-191 **Variation of Sinoatrial Nodal Artery in Patients with Atrial Fibrillation**
Yasunori Hiranuma, Chiba Cerebral Cardiovascular Center (Japan)
- THU-PP02-192 **Independent Effect of Physical Activity and Resting Heart Rate on Incidence of Atrial Fibrillation in General Population**
Jin-Kyu Park, Yeon Woo Choi, Byung Sik Kim, Hanyang University Medical Center (South Korea)
- THU-PP02-193 **Radiofrequency Catheter Ablation Versus Surgery Ablation Combined with Mitral Valve Surgery for Non-Paroxysmal Atrial Fibrillation in Patients with Moderate Mitral Regurgitation**
Jindong Chen, Hao Wang, Liang Zhao, Shanghai Chest Hospital (China)
- THU-PP02-194 **Catheter Ablation for Lone Atrial Fibrillation in Individuals Aged Under 35 Years**
Jindong Chen, Hao Wang, Liang Zhao, Shanghai Chest Hospital (China)
- THU-PP02-195 **Long-term Outcome of Radiofrequency Catheter Ablation for Atrial Fibrillation in Rheumatic Heart Disease Patients with Mild Mitral Stenosis**
Jindong Chen, Hao Wang, Liang Zhao, Shanghai Chest Hospital (China)
- THU-PP02-196 **Differential Manifestation of Late-Onset Atrial Tachyarrhythmia in Patients Who Underwent Isolated Valve Surgery or Coronary Bypass Grafting**
Min Soo Cho, Jun Kim, Yu Na Kim, Ungjeong Do, Gi-Byoung Nam, Kee-Joon Choi, You-Ho Kim, Asan Medical Center (South Korea)
- THU-PP02-197 **A Novel Rule-Based Algorithm to Detect Atrial Fibrillation using Photoplethysmographic Signals**
Euijae Lee, Eue-Keun Choi, Myung-Jin Cha, Bon-Kwon Koo, Seil Oh, Seoul National University Hospital (South Korea), Eui-Rim Jeong, HanBat National University (South Korea), Yung Yi, Korea Advanced Institute of Science and Technology (South Korea), Sung-Mi Jo, Byunghwan Lee, Sky Labs Inc. (South Korea)
- THU-PP02-198 **Autonomic Modulation before and after Paroxysmal Atrial Fibrillation Events**
Ting-Wei Liao, National Yang Ming University (Taiwan), Li-Wei Lo, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng Hu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
- THU-PP02-199 **Detection of Atrial Fibrillation using a Deep Learning Approach**
Yu-Hsin Wang, Bing-Chuang Bai, Yae-lin Sheu, Industrial Technology Research Institute (Taiwan), Chung-Lieh Hung, Pei-chen Wu, Mackay Memorial Hospital (Taiwan), Chung-Chieh Yu, Hao-Hsi Kao, Chang Gung Memorial Hospital (Taiwan)
- THU-PP02-200 **The Long-term Impact of Metabolic Syndrome Management on Mortality in Patients with Atrial Fibrillation**

Yong-Soo Baek, Jin-Hee Park, Gwang-Seok Yoon, Seong-Huan Choi, Kyu-Yong Ko, Sang-Don Park, Sung-Woo Kwon, Sung-Hee Shin, Seong-Ill Woo, Jun Kwan, Dae-Hyeok Kim, Inha University Hospital (South Korea)

THU-PP02-201 **Smoking is a Risk Factor for Ischemic Stroke among the Patients with Atrial Fibrillation and Zero CHA₂DS₂-VASC Score**

Soonil Kwon, Soonil Kwon, Tae Jung Kim, Eue-Keun Choi, Euijae Lee, Inki Moon, Myung-Jin Cha, Sang-Bae Ko, Seil Oh, Seoul National University Hospital (South Korea)

THU-PP02-202 **Association of Hypoxemia and Paroxysmal Atrial Fibrillation in Patients with Obstructive Sleep Apnea**

Isaiah Lugtu, Allen Sy, Edmund Ang, Chinese General Hospital and Medical Center (Philippines)

THU-PP02-203 **Application of High Density Mapping in Guiding the Ablation of Drivers in Atrial Fibrillation**

Kaijun Cui, West China Hospital Sichuan University (China)

THU-PP02-204 **The Different Expression of MiRNAs in Exosome Derived from Different Type of Atrial Fibrillation**

Dasom Mun, Hyelim Park, Hyewon Park, Hyoeun Kim, JiYoung Kang, Nuri Yun, Boyoung Joung, Yonsei University College of Medicine (South Korea)

THU-PP02-205 **Supernormal Resting Skin Sympathetic Nerve Activities Trigger Arrhythmia Initiation: Comparisons Between AF Patients and Healthy Individuals**

Yu-Hui Chou, Li-Wei Lo, Wei-Lun Lin, Tzu-Yen Peng, Pin-Yi Lin, Yenn-Jiang Lin, Shih-Lin Chang, Fa-Po Chung, Yu-Feng Hu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Ting-Yu Li, Shu-Wei Chang, Shien-Fong Lin, National Chiao Tung University (Taiwan)

THU-PP02-206 **Plasma Fatty Acid-Binding Protein 4 (FABP4) Level is Associated with Abnormal QTc Interval in Stable Angina Patients with Chronic Kidney Disease**

Wei-Hua Tang, Sung-Hao Huang, Hsuan-Ming Tsao, National Yang-Ming University Hospital (Taiwan), Chao-Ping Wang, E-Da Hospital, I-Shou University (Taiwan)

THU-PP02-207 **Comparison of Paroxysmal and Non-Paroxysmal Atrial Fibrillation Patients According to Heart Rate Recovery and Heart Rate Variability with Age Under 65**

Gwang-Seok Yoon, Yong-Soo Baek, Seong-Huan Choi, Kyu-Yong Ko, Jin-Hee Park, Dae-Young Kim, Sang-Don Park, Sung-Woo Kwon, Sung-Hee Shin, Seong-Ill Woo, Dae-Hyeok Kim, Jun Kwan, Inha University College of Medicine (South Korea)

THU-PP02-208 **Quantitative P Wave Characteristics during Sinus Rhythm are Altered by Cavo-Tricuspid Isthmus Ablation**

Gordon Ho, Franz Schweis, Ishan Mehta, Christopher Villongco, Kurt Hoffmayer, Gregory Feld, Andrew McCulloch, David Krummen, University of California San Diego (United States)

THU-PP02-209 **Gut Microbiome, Metabolic Diseases and Atrial Fibrillation**

Ricardo Mishima, Thomas Agbaedeng, Anand Thiyagarajah, Mehrdad Emami, Kadhim Kadhim, Kashif Khokhar, Dian Munawar, Varun Malik, Catherine O'Shea, Rajiv Mahajan, Dennis Lau, Dominik Linz, Prashanthan Sanders, University of Adelaide (Australia)

THU-PP02-210 **A Histological Study of the Atria in Patients with Isolated Mitral Regurgitation with and without Atrial Arrhythmias**

Deepak Padmanabhan, Bharatraj Banavalikar, Inotan Sinam, Javed Pervez, Sanjai PV, Jayaprakash Shenthathar, Jayadeva Institute of Cardiovascular Sciences (India)

THU-PP02-212 **Atrial Fibrillation Prediction by P Wave Signal Averaged ECG in Patients with Embolic Stroke with**

Uncertain Source (ESUS)

Seung Yong Shin, Moonki Jung, Chung-Ang University Hospital (South Korea), Gregory YH Lip, University of Birmingham (United Kingdom)

FRI-PP04-186 The Most Effective Prevention for Dabigatran-Induced Esophagitis After Ablation for AF

Yoko Ito, Masayuki Igawa, Kojiro Ogawa, Tsukuba Memorial Hospital (Japan), Akihiko Nogami, Kazutaka Aonuma, University of Tsukuba (Japan)

THU-PP02-213 Two Tachycardias after Atrial Fibrillation Ablation: What Is the Mechanism?

Mark Shen, Alexandru Chicos, Northwestern University (United States)

THU-PP02-214 Postabative Pericarditis in Patient with a Prior History of Rheumatic Disease: A Case Report

Evgeny Zhelyakov, Andrey Ardashev, Armen Kocharyan, Moscow State University (Russian Federation)

THU-PP02-215 Hybrid Approach Using Renal Sympathetic Denervation and Ablation of Left Atrium for Treatment Patient with Resistant Arterial Hypertension with Chronic Kidney Diseases and Persistent Atrial Fibrillation: A Case Report

Evgeny Zhelyakov, Andrey Ardashev, Aleksey Knigin, Moscow State University (Russian Federation), Anton Staferov, Federal Scientific and Clinical Centre of FMBA (Russian Federation)

THU-PP02-216 A Case of Catheter Ablation for Paroxysmal Atrial Fibrillation across an Inferior Vena Cava Filter

Daisuke Yakabe, National Hospital Organization Kyushu Medical Center (Japan), Yasushi Mukai, Shunsuke Kawai, Kazuhiro Nagaoka, Akiko Chishaki, Hiroyuki Tsutsui, Kyushu University Hospital (Japan)

THU-PP02-217 Atrioventricular Block during Radiofrequency Catheter Ablation of Atypical Atrial Flutter

Kenji Morihisa, Keiichi Ashikaga, Yoshisato Shibata, Miyazaki Medical Association Hospital (Japan)

THU-PP02-218 An Unusual Propagation Pattern along the Tricuspid Annulus after Cavo-Tricuspid Isthmus Ablation: Insights into Posterior Transverse Conduction Revealed by an Ultra-High-Resolution 3-Dimensional Mapping System

Takashi Kanda, Masaharu Masuda, Naoya Kurata, Takuya Tsujimura, Yasuhiro Matsuda, Aki Tsuji, Hiroyuki Uematsu, Osamu Iida, Mitsutoshi Asai, Toshiaki Mano, Kansai Rosai Hospital (Japan)

THU-PP02-219 Esophageal Hematoma after Cryoballoon Atrial Fibrillation Ablation

Seien Ko, Takehiro Kimura, Kenji Hashimoto, Terumasa Yamashita, Hiroshi Miyama, Taishi Fujisawa, Kazuaki Nakajima, Yoshinori Katsumata, Takahiko Nishiyama, Yoshiyasu Aizawa, Keiichi Fukuda, Seiji Takatsuki, Keio University School of Medicine (Japan)

THU-PP02-220 Vector Field Mapping Reveals Alternating Dominant AF Drivers in a Patient with Persistent Atrial Fibrillation

Albert Rogers, George Leef, Fatemah Shenasa, Mark Swerdlow, Mallika Tamboli, Mahmood Alhusseini, Tina Baykaner, Paul Wang, Sanjiv Narayan, Stanford University (United States), David Vidmar, UC, San Diego (United States), Johannes Brachmann, Klinikum-Coburg (Germany), William Sauer, University of Colorado (United States), John Miller, Indiana University (United States), Felipe Atienza, Hospital General Universitario Gregorio Marañon (Spain), Wouter-Jan Rappel, University of California (United States)

THU-PP02-221 Late-Onset Pulmonary Calcification after Pulmonary Vein Isolation

Weicheih Lee, Mien-Cheng Chen, Kaohsiung Chang Gung Memorial Hospital (Taiwan)

THU-PP02-222 Successful Cryoballoon Based Box Isolation of Long-Lasting Persistent Atrial Fibrillation in a Patient with an Inferior Common Trunk

Akira Maesato, Sugako Ishigaki, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

THU-PP02-223 **A Case Who was Changed from Common Type Atrial Flutter to Focal Atrial Tachycardia with Similar Atrial Cycle Length during the Ablation Procedure**

Taishi Hirahara, Yoshimasa Tsurumaki, Norifumi Kubo, JCHO Saitama Medical Center (Japan)

THU-PP02-224 **Reversal of Tachycardia Induced Cardiomyopathy Caused by Atrial Flutter Is Not a Myth**

Gunawan Yoga, Myint Thein, Rizki Pandelaki, Muhammad Munawar, Beny Hartono, Vika Fransiska, Binawaluya Cardiac Center (Indonesia)

THU-PP02-225 **Ablation for Paroxysmal Atrial Fibrillation with Secondary Cardiac Hemochromatosis**

Masahiro Morise, Nobuhiro Nishiyama, Yuhei Isonaga, Takanobu Yamada, Chinatu Komiyama, Ayako Harima, Masanari Kuwabara, Yasuhiro Tomita, You Fujimoto, Takahide Kodama, Haruo Mitani, Toranomon Hospital (Japan)

THU-PP02-226 **Cavo Tricuspid Isthmus Dependent Atrial Flutter with Sudden Propagation Change into Reversed Reentry during Radiofrequency Application**

Takuro Abe, Satoshi Higuchi, Natsuko Satomi, Miwa Kanai, Kyoichiro Yazaki, Daigo Yagishita, Koichiro Ejima, Morio Shoda, Nobuhisa Hagiwara, Tokyo Women's Medical University Hospital (Japan)

THU-PP02-227 **A False Positive FDG Pet Scan due to Inflammation after a Cryoballoon Based Pulmonary Vein Isolation Mimicking a Metastatic Lymph Node in a Patient with Early Stage Lung Cancer**

Sugako Ishigaki, Akira Maesato, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

THU-PP02-228 **Superior Vena Cava Ectopy Triggered Atrial Fibrillation in the Case of Pulmonary Vein Isolation using Cryoballoon**

Koji Yoshie, Ayako Okada, Hiroaki Tabata, Wataru Shoin, Hideki Kobayashi, Takahiro Okano, Tatsuya Saigusa, Soichiro Ebisawa, Hirohiko Motoki, Morio Shoda, Koichiro Kuwahara, Shinshu University (Japan)

THU-PP02-229 **Macroreentrant Atrial Tachycardia Involving the Regions of Spontaneous Scarring in the Left Atrial Anterior Wall nearby the Left Atrial Appendage after Extended Pulmonary Venous Isolation for Longstanding Persistent Atrial Fibrillation**

Yoshimi Onishi, Taku Asano, Hiroyuki Ito, Mitsuharu Kawamura, Youichi Yoshimi, Toshiro Shinke, Showa University School of Medicine (Japan), Kosuke Yoshikawa, Koyama Memorial Hospital (Japan)

THU-PP02-230 **Catheter Ablation for Paroxysmal Atrial Fibrillation and Atrial Tachycardia in a Patient with Partial Anomalous Pulmonary Venous Return: Case Series**

Kohei Kawajiri, Seiji Fukamizu, Tomoyuki Arai, Sho Tanabe, Yasuki Koyano, Sayuri Tokioka, Daisuke Miyahara, Marina Arai, Dai Inagaki, Tomonori Miyabe, Satoshi Miyazawa, Iwanari Kawamura, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Health and Hospitals Corporation Ohkubo Hospital (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University (Japan)

THU-PP02-231 **A Case Report: Effects of the Chinese Herbal Medicine Gosha-Jinkigan in the Treatment of Phrenic Nerve Paralysis after Ablation Therapy**

Satoshi Miyazawa, Seiji Fukamizu, Tomoyuki Arai, Kohei Kawajiri, Sho Tanabe, Sayuri Tokioka, Yasuki Koyano, Daisuke Miyahara, Marina Arai, Dai Inagaki, Tomonori Miyabe, Iwanari Kawamura, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Harumizu Sakurada, Masayasu Hiraoka, Tokyo Metropolitan Health and Hospitals Corporation Ohkubo Hospital (Japan)

THU-PP02-232 Prone Position is More Preferable for Detection of Left Atrial Thrombi by Enhanced Cardiac Computed Tomography in Patients with Persistent Atrial Fibrillation

Atsuhito Oda, Yasuteru Yamauchi, Aki Ito, Takatoshi Shigeta, Tatsuhiko Hirao, Rena Nakamura, Takurou Nishimura, Mitsutoshi Asano, Shimura Tsukasa, Hidetoshi Suzuki, Hiroshi Yoshida, Manabu Kurabayashi, Kaoru Okishige, Minato Red Cross Hospital (Japan)

THU-PP02-233 SVC Isolation in a Patient with Longstanding Persistent Atrial Fibrillation: A Case Vignette

Joerelle Mojica, Abigail Te-Rosano, Douglas Bailon, George Cordova, Edmund Ang, St Luke's Medical Center (Philippines)

THU-PP02-235 A Case of Advanced Atrioventricular Conduction Disturbance during Pulmonary Vein Isolation using the Second-Generation Cryoballoon Ablation to Right Inferior Pulmonary Vein

Tomonori Watanabe, Takafumi Okuyama, Yasuhiro Yokoyama, Ayako Yokota, Takahiro Komori, Tomoyuki Kabutoya, Yasushi Imai, Kazuomi Kario, Jichi Medical University (Japan)

THU-PP02-236 Successful Cryoballoon Based Box Isolation in a Patient with Recurrent Long-Lasting Persistent Atrial Fibrillation after a Surgical Left Atrial Maze and Cryoballoon Based Pulmonary Vein Isolation

Sugako Ishigaki, Akira Maesato, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

THU-PP02-238 Difficult Radiofrequency Ablation in Patients with Thyrotoxicosis and Paroxysmal Atrial Fibrillation Mixed Wolff Parkinson White Syndrome

Albert Sudharsono, Muzakkir Amir, Irwan, Dr. Wahidin Sudirohusodo General Hospital (Indonesia)

THU-PP02-239 Ablation of a Double-Wave Reentry Circuit of Atrial Flutter in a Complex Congenital Heart Disease with Situs Inversus and Dextrocardia

Deep Raja, Sabari Saravanan, Anitha Sathishkumar, Ulhas Pandurangi, The Madras Medical Mission (India)

Satellite Symposium 04: India Breakfast Symposium (Sponsor: Medtronic)

Date: Oct-19 | Time: 07:30-08:30

Room: Elegance Lounge, 4F, TICC

Moderators: Michael R Gold (United States), Ajit Kumar (India), C. Narasimhan (India)

Panelists: J S Makkar (India), Shams Munawar (India), MD Zulfikar Ali (India), Anoop Gupta (India), MD Ibrahim Chowdhury (India), Rajat Sharma (India)

FRI-SS-MT1-1 **Symposium Objective**

David Cleghorn (Australia)

FRI-SS-MT1-2 **Case 1**

Arun Chopra (India)

FRI-SS-MT1-3 **Case 2**

Anees Tajuddin (India)

FRI-SS-MT1-4 **Case 3**

Soma sekhar Ghanta (India)

FRI-SS-MT1-5 **Case 4**

Jaishankar Krishnamoorthy (India)

FRI-SS-MT1-6 **Case 5**

Vanita Arora (India)

Basic and Translational Medicine 05: Fundamental Approach to Dysregulated Calcium Homeostasis

Date: Oct-19 | Time: 08:30-10:10

Room: 101A, 1F, TICC

Moderators: Peng-Sheng Chen (United States), Haruo Honjo (Japan), Masahiro Ogawa (Japan)

FRI-101A-1-1 **Regulation of Cardiac Ryanodine Receptors by Dantrolene and Other Hydantoins**

Derek Laver (Australia)

FRI-101A-1-2 **Cellular Mechanisms of AF: The Role of Calcium Handling**

Xander Wehrens (United States)

FRI-101A-1-3 **Targeting Ryanodine Receptor Leak to Treat Arrhythmias**

Andrew R. Marks (United States)

FRI-101A-1-4 **Cardiac Ryanodine Receptor Channel Diseases: Key Player in Calcium Handling**

Minoru Horie (Japan)

FRI-101A-1-5 **Calcium Dysregulation in LQT Syndrome Animal Model**

Po-Cheng Chang (Taiwan)

VT/VF 13: The Application of Telemedicine in Ventricular Arrhythmias

Date: Oct-19 | Time: 08:30-10:10

Room: 101B, 1F, TICC

Moderators: Takumi Yamada (United States), Yoo Ri Kim (South Korea), Rungroj Kittayaphong (Thailand), Takumi Yamada (United States)

FRI-101B-1-1 **Clinical Guideline in Remote Monitoring**

Susan L Song (United States)

FRI-101B-1-2 **Prolonged ECG Monitoring for Detecting Ventricular Arrhythmias**

Angel Moya (Spain)

FRI-101B-1-3 **If 24 Hours HOLTER Monitoring Was Normal, What Should We Do? Despite Lack of Payment**

Hauda El Rasyid (Indonesia)

FRI-101B-1-4 **Mechanisms of Lethal Ventricular Arrhythmias in Hemorrhagic Shock Heart Assessed by Optical Mapping Analysis**

Bonpei Takase (Japan)

FRI-101B-1-5 **Solves Incident Detected by Home Monitoring/ Remote Monitoring**
Robert Denniss (Australia)

Basic and Translational Medicine 06: Unsolved Mysteries in Fibrosis and Arrhythmogenesis

Date: Oct-19 | Time: 08:30-10:10

Room: 101C, 1F, TICC

Moderators: **Robert G. Gourdie** (United States), **Alex McLellan** (Australia), **Yen-Yu Lu** (Taiwan)

FRI-101C-1-1 **High-Voltage Lead Fibrous Encapsulation and Predictors on Subcutaneous-ICD Performance**
Jian-Ming Li (United States)

FRI-101C-1-2 **Pattern of Late Gadolinium Enhancement Predicts Arrhythmic Events in Patients with Non-Ischemic Cardiomyopathy**
Boyoung Joung (South Korea)

FRI-101C-1-3 **Diffuse Ventricular Fibrosis on Cardiac Magnetic Resonance Imaging Associates with VT in Patients with Hypertrophic Cardiomyopathy**
Alex McLellan (Australia)

FRI-101C-1-4 **Transforming Growth Factor- β -Mediated CD44/STAT3 Signaling Contributes to the Development of Atrial Fibrosis and Fibrillation**
Yung-Hsin Yeh (Taiwan)

FRI-101C-1-5 **Importance of PV Preferential Fibrosis for AF Promotion in Hypertensive Rat Hearts**
Yu-ki Iwasaki (Japan)

Genetics 03: Impact in the Pathogenesis of Cardiomyopathy

Date: Oct-19 | Time: 08:30-10:10

Room: 101D, 1F, TICC

Moderators: **Priya Chockalingam** (India), **Naokata Sumitomo** (Japan), **Yu-Hsun Kao** (Taiwan)

FRI-101D-1-1 **Hypertrophic Cardiomyopathy**
Arthur A. M. Wilde (Netherlands)

FRI-101D-1-2 **What is New in the Genetics of ARVC?**
Seiko Ono (Japan)

FRI-101D-1-3 **Dilated Cardiomyopathy**
Diane Fatkin (Australia)

FRI-101D-1-4 **Genetics of Tachycardia-Induced Cardiomyopathy**
Yukiko Nakano (Japan)

VT/VF 14-1: Debate: Primary Ablation of Ventricular Tachyarrhythmia for Non-Ischemic Cardiomyopathy

Date: Oct-19 | Time: 08:30-09:10

Room: 102, 1F, TICC

Moderators: **Rajeev Kumar Pathak** (Australia), **Koji Fukuzawa** (Japan)

FRI-102-1-1 **Pro**
Haris Haqqani (Australia)

FRI-102-1-2 **Con**
Nitish Badhwar (United States)

Rebuttal
Haris Haqqani (Australia), **Nitish Badhwar** (United States)

VT/VF 14-2: Special Consideration During Substrate VT Ablation

Date: Oct-19 | Time: 09:20-10:10

Room: 102, 1F, TICC

Moderators: **Andre d'Avila** (Brazil), **Narawudt Prasertwitayakij** (Thailand)

- FRI-102-1-3 **Pro: Prophylactic Hemodynamic Support for Unstable VT/VF**
Pasquale Santangeli (United States)
- FRI-102-1-4 **The Evolution of Epicardial Mapping and Ablation**
Andre d'Avila (Brazil)
- FRI-102-1-5 **Magnetic Navigation Versus Manual Strategy for Substrate VT Ablation: Pros and Cons**
Pramesh Kovoor (Australia)

HF 07: Pharmacological Approach to Treat Arrhythmia in HF

Date: Oct-19 | Time: 08:30-10:10

Room: 103, 1F, TICC

- Moderators: **Keping Chen** (China), **Kentaro Hayashi** (Japan), **Vu Van Ba** (Vietnam)
- FRI-103-1-1 **How to Manage Arrhythmia During Inotropes**
Shih-Hsien Sung (Taiwan)
- FRI-103-1-2 **Management of Arrhythmia in Acute HF**
Eiichi Watanabe (Japan)
- FRI-103-1-3 **Why Angiotensin-Receptor/Neprilysin Inhibitor (ARNI) Decrease SCD Rather than ACEI/ARB in the Treatment of Chronic HF?**
Wei-Hsian Yin (Taiwan)
- FRI-103-1-4 **Decrease of SCD by MRAs in HF**
Faiez Zannad (France)

Image and Anatomy 06: Does Cardiac Imaging Play a Role in Predicting SCD

Date: Oct-19 | Time: 08:30-10:10

Room: 201A, 2F, TICC

- Moderators: **Saman Nazarian** (United States), **Dicky Armein Hanafy** (Indonesia), **Wei-Hua Tang** (Taiwan)
- FRI-201A-1-1 **Risk Stratification of ARVD Using Cardiac MRI**
Harikrishna Tandri (United States)
- FRI-201A-1-2 **Novel Functional Imaging for Management of SCD**
Sabine Ernst (United Kingdom)
- FRI-201A-1-3 **Establish the Role of Cardiac MRI in Risk Stratification of SCD**
Saman Nazarian (United States)
- FRI-201A-1-4 **Epicardial Fat and SCD**
Rajiv Mahajan (Australia)
- FRI-201A-1-5 **Image and Mapping Modality to Guide the Approaches of Ventricular Arrhythmia**
Yasushi Mukai (Japan)

AF 13: Seeing Is Believing – How to Integrate the Image Tool

Date: Oct-19 | Time: 08:30-10:10

Room: 201BC, 2F, TICC

- Moderators: **Walter Abhayaratna** (Australia), **Masaomi Kimura** (Japan), **Seung-Young Roh** (South Korea)
- FRI-201BC-1-1 **Imaging of Substrate at AF**
Eugene Kholmovski (United States)
- FRI-201BC-1-2 **Image integration in Mapping and Ablation of Atypical AFL**
Gregory K. Feld (United States)
- FRI-201BC-1-3 **New Mapping System for AF Ablation: Rotors and High Density Mapping**
Hiroshi Nakagawa (United States)
- FRI-201BC-1-4 **Utility of Echocardiography for the Indication and Evaluation of AF Ablation**
Ritsushi Kato (Japan)

AF 14: Pre and Post Ablation Care: How to Increase Your Value Precisely

Date: Oct-19 | Time: 08:30-10:10

Room: 201DE, 2F, TICC

Moderators: Sanjiv M. Narayan (United States), Hiroyuki Osanai (Japan), Sung-Won Jang (South Korea), Jen-Yuan Kuo (Taiwan)

- FRI-201DE-1-1 **Risk of Stroke Before and After AF Ablation**
Atul Verma (Canada)
- FRI-201DE-1-2 **How to Avoid Potential Esophageal Injury During AF Ablation**
Carina Blomström Lundqvist (Sweden)
- FRI-201DE-1-3 **Requirement of CT Scanning or TEE to Avoid Stroke Events**
Min Tang (China)
- FRI-201DE-1-4 **Usefulness of an Echocardiographic Estimate of LV Stiffness in the Management of AF**
Mitsunori Maruyama (Japan)
- FRI-201DE-1-5 **The Role of LAA Isolation in AF Ablation and Consideration of LAA Occluder**
Sakis Themistoclakis (Italy)
- FRI-201DE-1-6 **Optimal Detection of AF in Device**
Kieran Dauber (Australia)

Non-Invasive ECG 03: Novel ECG Tools and Analysis: Old Dog, New Tricks

Date: Oct-19 | Time: 08:30-10:10

Room: 201F, 2F, TICC

- Moderators: Niti Chadha Negi (India), Hiroshi Tada (Japan), Hyoung-Seob Park (South Korea)
- FRI-201F-1-1 **Emerging ECG Recording Technologies**
Wojciech Zareba (United States)
- FRI-201F-1-2 **P-Signal Average ECG (P-SAECG) Predicts AF in Sinus Node Disease**
Haruhiko Abe (Japan)
- FRI-201F-1-3 **18 Lead ECG for Differentiating the Origin of Idiopathic Outflow Tract Ventricular Arrhythmias: V5R is a Novel and Simple Parameter**
Akihiko Nogami (Japan)
- FRI-201F-1-4 **QT Dynamics in Long QT Syndrome Type 3**
Kazuhiro Takahashi (Japan)
- FRI-201F-1-5 **Video-Based Detection of Arrhythmias**
Jean-Philippe Couderc (United States)

Risk Stratification 05: Risk Assessment of Ischemic Stroke in AF – Is the CHA₂DS₂-VASc Score Good Enough?

Date: Oct-19 | Time: 08:30-10:10

Room: 202, 2F, TICC

- Moderators: Peter Brønnum Nielsen (Denmark), Simon Salim (Indonesia), Hideyuki Hasebe (Japan)
- FRI-202-1-1 **Which Scoring Scheme Should Be Used for Stroke Risk Assessment in Asian AF Patients?**
Tae-Hoon Kim (South Korea)
- FRI-202-1-2 **The Thromboembolic Risk in Patients with AF with Hypertrophic Cardiomyopathy**
Seiji Takatsuki (Japan)
- FRI-202-1-3 **Is There a Role of Biomarkers Beyond the CHA₂DS₂-VASc Score for Stroke Risk Assessment?**
Renato D. Lopes (United States)
- FRI-202-1-4 **Clinical Impact of Asymptomatic Presentation Status in AF Patients**
Masahiro Esato (Japan)
- FRI-202-1-5 **Eight Years After the CHA₂DS₂-VASc Score - What is the Next Evolution?**
Tze-Fan Chao (Taiwan)

Device 15: How to Manage AF in Patients with ICD/ CRTD

Date: Oct-19 | Time: 08:30-10:10

Room: 203, 2F, TICC

Moderators: **Satchana Pumprueg** (Thailand), **Akira Maesato** (Japan), **Choong Hwan Kwak** (South Korea), **Vern Tan** (Singapore)

- FRI-203-1-1 **CRT in Patients with AF: How to Improve Effective Therapy**
Michele Brignole (Italy)
- FRI-203-1-2 **Clinical Significance of Device Detected AF**
Kieran Dauber (Australia)
- FRI-203-1-3 **Management of Inappropriate Shock in Patients with ICD**
Bobby John (Australia)
- FRI-203-1-4 **Management of Cardiac Implanted Device-Detected Atrial High-Rate Events (AHREs)**
Ben Freedman (Australia)
- FRI-203-1-5 **ICD Programming: Will it Make a Difference?**
Kwok Keung Chan (Hong Kong)

Device 16: Patient Selection, Outcome and Future of Subcutaneous-ICD

Date: Oct-19 | Time: 08:30-10:10

Room: South Lounge, 3F, TICC

Moderators: **Emily Kotschet** (Australia), **Bradley Wilsmore** (Australia), **Kazumasa Adachi** (Japan), **Jiefu Yang** (China)

- FRI-SL-1-1 **Screening for Indications of Subcutaneous-ICD**
Ritsushi Kato (Japan)
- FRI-SL-1-2 **Role of Subcutaneous-ICDs in Prevention of Sudden Death**
Russell Denman (Australia)
- FRI-SL-1-3 **Subcutaneous-ICD: Can it be Better?**
Yuet Wong Cheng (Hong Kong)
- FRI-SL-1-4 **Efficacy and Safety of Subcutaneous-ICD: An Initial Japanese Experience**
Ken Okumura (Japan)
- FRI-SL-1-5 **ICD for Primary Prevention of SCD. Do We Need a Reevaluation?**
Nikolaos Dagres (Germany)

Device 17: Fundamental Concerns for CRT-P/ CRT-D Implantation

Date: Oct-19 | Time: 08:30-10:10

Room: North Lounge, 3F, TICC

Moderators: **James Leitch** (Australia), **Takeshi Mitsuhashi** (Japan), **David Foo** (Singapore)

- FRI-NL-1-1 **QRS Based CRT Optimization: BEST Study**
Lluís Mont (Spain)
- FRI-NL-1-2 **Which of CRT-D and CRT-P Should We Implant in Non-Ischemic Patients with No Prior History of Sustained Ventricular Arrhythmias?**
Hisashi Yokoshiki (Japan)
- FRI-NL-1-3 **Resynchronization Therapy and Ventricular Arrhythmias**
Razali Omar (Malaysia)
- FRI-NL-1-4 **CRT-D Replacement in Primary Prevention Patients with Improved Hemodynamics – Can We Omit the ICD?**
Anil Saxena (India)
- FRI-NL-1-5 **CRT-P Versus CRT-D, When to Choose Which?**
Takanori Arimoto (Japan)

Joint Session 02: APHRS-Latin American Heart Rhythm Society Joint Session: SVT Diagnosis and Management

Date: Oct-19 | Time: 08:30-10:10

Room: Banquet Hall, 3F, TICC

Moderators: **San-Jou Yeh** (Taiwan), **Roberto Keegan** (Argentina), **Kazuhiro Satomi** (Japan)

FRI-BH-1-1 **Opening Remarks**

Jonathan Kalman (Australia)

FRI-BH-1-2 **SVT Management - Asymptomatic Preexcitation**

Roberto Keegan (Argentina)

FRI-BH-1-3 **Atypical Preexcitation Syndrome and its Variants - What, Where and How**

Soot Keng Ma (Malaysia)

FRI-BH-1-4 **Ablation of Atrial Tachyarrhythmia after Surgical Maze**

Yasushi Miyauchi (Japan)

FRI-BH-1-5 **Pacing Maneuvers for SVT Differentiation**

Kartikeya Bhargava (India)

FRI-BH-1-6 **Closing Remarks**

Roberto Keegan (Argentina)

Allied Professionals 05: State-of-the-Art of Cardiac Device in CHF

Date: Oct-19 | Time: 08:30-10:10

Room: Conference 1, 2F, TWTC

Moderators: **Marleen E. Irwin** (Canada), **Andrew Kotlar** (Australia), **Neil Ross** (Australia), **Soma sekhar Ghanta** (India), **Arisara Suwanagool** (Thailand), **Chih-Chieh Yu** (Taiwan)

FRI-C1-1-1 **Update of Device Therapy**

Toshiko Nakai (Japan)

FRI-C1-1-2 **Possible Reasons for Noise on Leads and Management**

Shufen Liang (Singapore)

FRI-C1-1-3 **New Device: Leadless and Subcutaneous Device**

Ikuko Togashi (Japan)

FRI-C1-1-4 **Cardiac Resynchronization Pacing – CRT-P Versus CRT-D**

Iain Melton (New Zealand)

FRI-C1-1-5 **His-Bundle Pacing in HF**

Naoya Tsuboi (Japan)

FRI-C1-1-6 **Pacemaker ECG: Deciphering Function Versus Malfunction**

Christine Chiu-Man (Canada)

Joint Session 03: Country to Country Session – Getting Closer to the Countries, Part I

Date: Oct-19 | Time: 08:30-10:10

Room: Conference 2, 2F, TWTC

Moderators: **Nwe Nwe** (Myanmar), **Pham Tran Linh** (Vietnam), **Mien-Cheng Chen** (Taiwan)

FRI-C2-1-1 **Opening Remarks**

Wee Siong Teo (Singapore)

FRI-C2-1-2 **SCD in Myanmar**

Nwe Nwe (Myanmar)

FRI-C2-1-3 **Three-Year Experience of Electrical Therapy in Tachy-Arrhythmias in Mandalay General Hospital**

Khin Oo Lwin (Myanmar)

FRI-C2-1-4 **Clinical Profile of AF in Yangon General Hospital**

Thet Lei Swe Aye (Myanmar)

FRI-C2-1-5 **Subclinical AF**

- FRI-C2-1-6 **Gary Chin Keong Lee** (Malaysia)
Experience of Device Therapy in Arrhythmia and HF
Muzakkir Amir (Indonesia)
- FRI-C2-1-7 **Closing Remarks**
Nwe Nwe (Myanmar)

Policy and Practice 01: Global Burden of AF and Related Adverse Events – How to Predict and Prevent AF?

Date: Oct-19 | Time: 08:30-10:10

Room: Conference 3, 2F, TWTC

- Moderators: **Buncha Sunsaneewitayakul** (Thailand), **Keiichi Ashikaga** (Japan), **Junichi Nitta** (Japan)
- FRI-C3-1-1 **Global Epidemiology of AF**
Emelia Benjamin (United States)
- FRI-C3-1-2 **The Use of Scoring Schemes to Predict the Occurrence of AF**
Tze-Fan Chao (Taiwan)
- FRI-C3-1-3 **Treatment of AF in Africa**
Ashley Chin (South Africa)
- FRI-C3-1-4 **Upstream Therapy in AF Prevention: From Big Data to Artificial Intelligence for Decision Making**
Chen-Ying Hung (Taiwan)
- FRI-C3-1-5 **Non-Pharmacological Methods in AF Prevention**
Boyoung Joung (South Korea)

Pediatrics 03: Device for Diagnosis and Therapy in Children

Date: Oct-19 | Time: 08:30-10:10

Room: Conference 5, 2F, TWTC

- Moderators: **Charles Berul** (United States), **Edward P Walsh** (United States), **Andreas Pflaumer** (Australia)
- FRI-C5-1-1 **Non-Transvenous Devices in Pediatrics**
Charles Berul (United States)
- FRI-C5-1-2 **CRT in Congenital Heart Disease Patients**
Elizabeth Stephenson (Canada)
- FRI-C5-1-3 **ICD in Pediatric Patients**
Andreas Pflaumer (Australia)
- FRI-C5-1-4 **Cardiac Resynchronisation in Complex Congenital Heart Diseases**
Narayanan Namboodiri KK (India)
- FRI-C5-1-5 **Transvenous Pacemaker Insertion in Small Pediatric Patients**
Shao-Ying Zeng (China)
- FRI-C5-1-6 **The Role of Remote Monitor in the Diagnosis and Treatment of Pediatric Patients**
Xiaomei Li (China)

SCD 01: State of the Art Strategies in the Prevention and Management of SCD

Date: Oct-19 | Time: 08:30-10:10

Room: Joy Lounge, 4F, TICC

- Moderators: **Sami Viskin** (Israel), **Yong-Mei Cha** (United States), **Jodie Ingles** (Australia)
- FRI-JL-1-1 **Caring for the Family After SCD**
Jodie Ingles (Australia)
- FRI-JL-1-2 **Role of Cardiac MRI as a Risk Predictor for SCD**
Mohammad Shenasa (United States)
- FRI-JL-1-3 **Could We Use Biomarkers to Guide the Strategy for the Prevention of SCD?**
Christine Albert (United States)

- FRI-JL-1-4 **Sudden Death in the Young: Evaluation**
Pattarapong Makarawate (Thailand)
- FRI-JL-1-5 **Genetic Testing for Inherited Arrhythmia Syndromes in 2018**
Chris Semsarian (Australia)

Live Demo (Device)

Date: Oct-19 | Time: 08:30-10:10

Room: Plenary Hall, 3F, TICC

Moderators: Jin-Long Huang (Taiwan) (Chair), James P. Daubert (United States), Joseph YS Chan (Hong Kong), Bruce Wilkoff (United States), Nigel Lever (New Zealand), Martin Stiles (New Zealand)

Panelists: Vincent R. Deen (Australia), Chin Pang Chan (Hong Kong), Weijian Huang (China), Vadagenalli S Prakash (India), Taijiro Sueda (Japan), Katsuhiko Imai (Japan), Yen-Bin Liu (Taiwan), Sheng-Hsiung Chang (Taiwan)

FRI-PH-1-1 **His Bundle Pacing**

Pugazhendhi Vijayaraman (United States), Ta-Chuan Tuan (Taiwan), Jo-Nan Liao (Taiwan)

FRI-PH-1-2 **Lead Extraction**

An-Ning Feng (Taiwan), Hung-Yu Chang (Taiwan), Morio Shoda (Japan)

Cross-Strait Chinese Session 05: 心律不整的基礎研究：基因・訊息傳遞・細胞生理與機轉探討

Date: Oct-19 | Time: 08:30-10:10

Room: VIP, 4F, TICC

Moderators: 洪葵 Kui Hong, 吳鋼 Gang Wu, 蔡文欽 Wen-Chin Tsai, 莊志明 Jyh-Ming Jimmy Juang

FRI-VIP-1-1 **基因與猝死**

洪葵 Kui Hong

FRI-VIP-1-2 **阻塞性肺病引發心律不整之動物模式研究**

詹超舜 Chao-Shun Chan

FRI-VIP-1-3 **右室流出道起源的心律失常：分子遺傳學與導管消融**

吳鋼 Gang Wu

FRI-VIP-1-4 **海綿毒素對於機械張力應力所誘發肺靜脈心肌組織之電生理特性的調控研究**

陳耀昌 Yao-Chang Chen

FRI-VIP-1-5 **大陸遺傳性心律失常研究現況**

楊新春 Xinchun Yang

FRI-VIP-1-6 **台灣基因研究與心律不整**

黃邦碩 Pang-Shuo Huang

Chaired Poster 03: Clinical Research in Atrial Arrhythmias

Date: Oct-19 | Time: 10:00-11:00

Room: Chaired Poster Station, 1F, TWTC

Moderators: Hsuan-Ming Tsao (Taiwan), Yoga Yuniadi (Indonesia), Yoshihide Takahashi (Japan)

FRI-CP03-01 **Left Atrial Ejection Fraction in One Year after Catheter Ablation as a Predictor of Very Late Recurrence in Patient with Atrial Fibrillation**

Kenki Ashida, Takanao Mine, Hideyuki Kishima, Hyogo College of Medicine (Japan)

FRI-CP03-02 **New ECG Algorithm to Predict the Origin of Parahisian APC: Pacemapping Based Morphology**

Simon Salim, Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Da-Chuan Duan, Tze-Fan Chao, Jo-Nan Liao, Chin-Yu Lin, Ting-Yung Chang, Ling Kuo, Jennifer Jeanne Vicera, Ting-Chun Huang, Shawn Wu, Chih-Min Liu, Quang-Minh Hoang, Vu Van Ba, Shih-Ahn Chen, Taipei Veterans General Hospital (Taiwan)

FRI-CP03-03 **Virtual In-Silico Modeling Guided Catheter Ablation of Persistent Atrial Fibrillation: CUVIA AF 1 Updates**

In-Soo Kim, Byounghyun Lim, Minki Hwang, Moo-Nyun Jin, Han-Jun Bae, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine (South Korea), Jaemin Shim, Korea University College of Medicine (South Korea), Jong-Youn Kim, Heart

Center, Gangnam Severance Hospital, Yonsei University College of Medicine (South Korea), Sung-Hwan Kim, Yong-Seok Oh, Catholic University of Korea (South Korea), Gi-Byung Nam, Asan Medical Center, University of Ulsan (South Korea), Young Keun On, Samsung Medical Center, Sungkyunkwan University (South Korea), Seil Oh, Seoul National University (South Korea), Young-Hoon Kim, Korea University (South Korea)

- FRI-CP03-04 **Antiarrhythmic Effects of Exosome Extracted from Serum of Atrial Fibrillation Patients by Inhibiting HDAC6 via Mirna 548AZ-5P**
Hyoeun Kim, Hyelim Park, Hyewon park, Dasom Mun, Jiyoung Kang, Boyoung Joung, Nuri Yun, Yonsei University College of Medicine (South Korea)
- FRI-CP03-05 **Greater Left Atrial Remodelling in Females with AF Using High Density Electro-Anatomic Mapping**
Geoffrey Wong, Chrisan Nalliah, Alex Voskoboinik, Ramanathan Parameswaran, Geoff Lee, Jonathan Kalman, Royal Melbourne Hospital (Australia), Sandeep Prabhu, Hariharan Sugumar, Liang-Han Ling, Peter Kistler, Alfred Health (Australia)
- FRI-CP03-06 **The Impact of Left Atrial Low Voltage Zone in Trigger-Based Catheter Ablation for Atrial Fibrillation without Structural Heart Disease**
Takuya Omuro, Yasuhiro Yoshiga, Makoto Ono, Takahiro Mito, Masakazu Fukuda, Masafumi Yano, Yamaguchi University Graduate School of Medicine (Japan), Takeshi Ueyama, Yamaguchi Grand Medical Center (Japan), Akihiko Shimizu, Ube-kohsan Central Hospital (Japan)

Basic and Translational Medicine 07: Translation Research in Atrial Arrhythmia, Part I

Date: Oct-19 | Time: 10:30-12:10

Room: 101A, 1F, TICC

- Moderators: **Ryusuke Kimura** (Japan), **Boyoung Joung** (South Korea), **Chao-Shun Chan** (Taiwan)
- FRI-101A-2-1 **Angiotensin II and Atrial Cardiomyopathies**
Andreas Götte (Germany)
- FRI-101A-2-2 **Mechanism of Atrial and Systemic Inflammation in AF**
Tetsuo Sasano (Japan)
- FRI-101A-2-3 **Sinus Node Dysfunction in AF Pathogenesis**
Yen-Yu Lu (Taiwan)
- FRI-101A-2-4 **Molecular Changes in AF**
Karin R. Sipido (Belgium)

VT/VF 15: J Wave Syndrome: Cross-talk from Scientists and Physicians

Date: Oct-19 | Time: 10:30-12:10

Room: 101B, 1F, TICC

- Moderators: **Yasuhiro Yokoyama** (Japan), **Eun-Sun Jin** (South Korea), **Ya-Lei Niu** (Taiwan)
- FRI-101B-2-1 **Genetics of Early Repolarization Syndrome**
Hiroshi Watanabe (Japan)
- FRI-101B-2-2 **Early Repolarization Syndrome and Idiopathic VF**
Sami Viskin (Israel)
- FRI-101B-2-3 **Update in J Wave Syndrome**
Wataru Shimizu (Japan)
- FRI-101B-2-4 **J Waves for Predicting Cardiac Events in Hypertrophic Cardiomyopathy**
Kenshi Hayashi (Japan)

Basic and Translational Medicine 08: New Frontiers in the Mechanism of Cardiac Fibrosis

Date: Oct-19 | Time: 10:30-12:10

Room: 101C, 1F, TICC

- Moderators: **Dennis Lau** (Australia), **Yoshinori Yoshida** (Japan), **Yih-Jer Wu** (Taiwan)

- FRI-101C-2-1 **AF and Fibrosis**
Vadim Fedorov (United States)
- FRI-101C-2-2 **Calcium Regulation on Atrial Regional Difference of Fibroblast Activity in Atrial Fibrogenesis**
Cheng-Chih Chung (Taiwan)
- FRI-101C-2-3 **Detection of LA Fibrosis by PE-MRI for Improved Outcome of AF Ablation**
Johannes Brachmann (Germany)
- FRI-101C-2-4 **Receptor for Advanced Glycation End-Products (RAGE) and Atrial Fibrosis in Patients with Mitral Valve Disease**
Pil-Sung Yang (South Korea)

Genetics 04: Risk and Therapy in Inherited Arrhythmia Syndrome

Date: Oct-19 | Time: 10:30-12:10

Room: 101D, 1F, TICC

- Moderators: Hui-Nam Pak (South Korea), Dan Hu (China), Kazuyoshi Suenari (Japan)
- FRI-101D-2-1 **The Role of Genetic Testing in Adult ARVC**
Mark Perrin (Australia)
- FRI-101D-2-2 **Inherited Arrhythmia: Emerging Concepts and Gaps in Knowledge**
Hiroshi Morita (Japan)
- FRI-101D-2-3 **Risk Prediction by Genetic Testing in Channelopathies**
Michael Ackerman (United States)
- FRI-101D-2-4 **Congenital LQT Syndrome in Response to Therapy**
Jyh-Ming Jimmy Juang (Taiwan)

VT/VF 16: Clinical Aspects of Ablation and Management in Specific Population

Date: Oct-19 | Time: 10:30-12:10

Room: 102, 1F, TICC

- Moderators: Henry H. Hsia (United States), Kyoko Soejima (Japan), Ahmed Talib (Japan)
- FRI-102-2-1 **Mapping and VT Ablation in Chagas' Heart Disease**
Andre d'Avila (Brazil)
- FRI-102-2-2 **Catheter Ablation of VT in Cardiac Sarcoidosis**
C. Narasimhan (India)
- FRI-102-2-3 **Laminopathy in Japan: Prevalence, Genetics, Clinical Course, and Management**
Takeshi Aiba (Japan)
- FRI-102-2-4 **Long-term Efficacy of Endocardial Trigger Ablation Strategy of Brugada Syndrome**
Kazutaka Aonuma (Japan)
- FRI-102-2-5 **Catheter Ablation in Patients with Mechanical Valve Replacement**
Kyoko Soejima (Japan)

HF 08: Pay Attention to Precipitating Agents: A Priceless Awareness

Date: Oct-19 | Time: 10:30-12:10

Room: 103, 1F, TICC

- Moderators: Caroline Medi (Australia), Jiangang Zou (China), Masaki Ohsawa (Japan), Chun-Chieh Wang (Taiwan)
- FRI-103-2-1 **Can PCI Improve the Prognosis of MADIT-II Patients?**
Kenji Ando (Japan)
- FRI-103-2-2 **Pacing-Induced Cardiomyopathy**
Aparna Jaswal (India)
- FRI-103-2-3 **AF and HF: The Chicken or the Egg?**
Masatsugu Nozoe (Japan)
- FRI-103-2-4 **Dyssynchrony-Induced Cardiomyopathy**

Image and Anatomy 07: Producing High Impact AF-Ablation through Multi-Modality

Date: Oct-19 | Time: 10:30-12:10

Room: 201A, 2F, TICC

- Moderators: **Rajiv Mahajan** (Australia), **Xing-Peng Liu** (China), **Akiko Ueda** (Japan), **Chuen-Wang Chiou** (Taiwan)
- FRI-201A-2-1 **MRI Based Study to Detect Ablation Gaps**
Lluís Mont (Spain)
- FRI-201A-2-2 **AF Ablation Guidance by Registered High-Density Mapping and 4-Dimensional CT/MR Anatomic Image**
Douglas L. Packer (United States)
- FRI-201A-2-3 **The Identification of Conduction Gaps After PV Isolation Using an Ultra High Resolution Electroanatomic Mapping System**
Masaharu Masuda (Japan)
- FRI-201A-2-4 **Atrial Inflammation in AF Assessed by FDG-PET**
Yasushi Miyauchi (Japan)
- FRI-201A-2-5 **Cardiac MRI Predicting a Prognosis of AF Ablation**
Daein lee (South Korea)

AF 15: Rhythm or Rate Control

Date: Oct-19 | Time: 10:30-12:10

Room: 201BC, 2F, TICC

- Moderators: **Sanjeev Saksena** (United States), **Keiji Inoue** (Japan), **Yasuchika Takeishi** (Japan), **Li-Jen Lin** (Taiwan)
- FRI-201BC-2-1 **Rate Control in AF: What Is the Optimal Target of Heart Rate?**
Yuan Hung (Taiwan)
- FRI-201BC-2-2 **Is Beta-Blocker Mandatory in AF Patients with HF?**
Minsoo Ahn (South Korea)
- FRI-201BC-2-3 **Digoxin for Patients with AF: Use or Not?**
Renato D. Lopes (United States)
- FRI-201BC-2-4 **Is Rhythm Control Superior to Rate Control in AF Patients with Concomitant HF with Reduced Ejection Fraction?**
Sanjeev Saksena (United States)
- FRI-201BC-2-5 **Ablation Strategy for AF with Slow Ventricular Response**
Kojiro Tanimoto (Japan)

AF 16: Tailoring Ablation Lesion-Specific Disease/ HOCM/ VHD/ Congenital Heart/ Non-Ischemic Cardiomyopathy

Date: Oct-19 | Time: 10:30-12:10

Room: 201DE, 2F, TICC

- Moderators: **Mauricio Arruda** (United States), **Yu Liu** (China), **Kikuya Uno** (Japan), **Sunu Budhi Raharjo** (Indonesia)
- FRI-201DE-2-1 **Benefits of Catheter Ablation in High-Risk Patients and Elderly Patients with AF**
Koonlawee Nademanee (United States)
- FRI-201DE-2-2 **Valvular Heart Disease (Mitral)**
Bobby John (Australia)
- FRI-201DE-2-3 **Hypertrophic Cardiomyopathy**
Seung-Young Roh (South Korea)
- FRI-201DE-2-4 **The Patient with History of Thyroid Disease**
Wanwarang Wongcharoen (Thailand)
- FRI-201DE-2-5 **AF Ablation in Amyloidosis**
Saurabh Kumar (Australia)

FRI-201DE-2-6 **AF Ablation in Patients with Non-Ischemic Cardiomyopathy: Targeting the LA Fibrotic Substrate**
Mauricio Arruda (United States)
Panel Discussion

Non-Invasive ECG 04: ECG Changes in Inherited Arrhythmias, Something More

Date: Oct-19 | Time: 10:30-12:10

Room: 201F, 2F, TICC

Moderators: **Kartikeya Bhargava** (India), **Beny Hartono** (Indonesia), **Hitoshi Hachiya** (Japan)

FRI-201F-2-1 **Diagnostic and Prognostic Utility of 12 Lead Ambulatory ECG for Brugada Syndrome**

Raymond Sy (Australia)

FRI-201F-2-2 **Prognostic Value of Tpeak – Tend Interval for Risk Stratification in Brugada Syndrome**

Gary Tse (Hong Kong)

FRI-201F-2-3 **Fever-Induced Brugada Syndrome is More Common than Previously Suspected: A Cross-Sectional Study from an Endemic Area**

Tachapong Ngarmukos (Thailand)

FRI-201F-2-4 **Factors Responsible for Brugada-Type ECG**

Mitsuhiro Nishizaki (Japan)

FRI-201F-2-5 **The Atrial Phenotype of Cardiac Channelopathies**

Giulio Conte (Italy)

FRI-201F-2-6 **Early Repolarization in Brugada Syndrome**

Hiroshi Morita (Japan)

Risk Stratification 06: Stroke Prevention in AF Patients with Coronary Artery Diseases

Date: Oct-19 | Time: 10:30-12:10

Room: 202, 2F, TICC

Moderators: **Andrei Catanchin** (Australia), **Sunao Nakamura** (Japan)

FRI-202-2-1 **The Bi-Directional Association Between AF and CAD**

Simon Salim (Indonesia)

FRI-202-2-2 **Special Concerns and Considerations of the PCI Procedures in AF Patients Under OACs**

Jiunn-Cherng Lin (Taiwan)

FRI-202-2-3 **Insights from the Recent Randomized Trials - Double Versus Triple Therapies in AF Patients with ACS/PCI**

Chern-En Chiang (Taiwan)

FRI-202-2-4 **Anti-Platelet Drugs, Anticoagulants after PCI in Patients with AF – Asian Edition**

Sunao Nakamura (Japan)

Device 18: Complication of CIED: The Fundamental Missing

Date: Oct-19 | Time: 10:30-12:10

Room: 203, 2F, TICC

Moderators: **Zulkeflee Muhammad** (Malaysia), **Charles Love** (United States), **Raja J Selvaraj** (India), **Wei-Hua Tang** (Taiwan)

FRI-203-2-1 **Complication Rates after CIED Implantation – Opportunities for Quality Improvement**

Anand Ganesan (Australia)

FRI-203-2-2 **Reducing CIED Complications**

Dean Boddington (New Zealand)

FRI-203-2-3 **Prevention Wound Infection after CIED Implantation**

Neil Strathmore (Australia)

FRI-203-2-4 **Twiddlers Syndrome Fact or Fiction?**

Spencer Heald (New Zealand)

FRI-203-2-5 **Management of CIED Lead Perforation, Especially in the Era of NOAC**

James P. Daubert (United States)

Device 19: Electromagnetic Interference and Contemporary Implantable Devices

Date: Oct-19 | Time: 10:30-12:10

Room: South Lounge, 3F, TICC

Moderators: Timothy G.T. Yeh (United States), Toshiko Nakai (Japan), Hsiang-Chiang Hsiao (Taiwan)

FRI-SL-2-1 **MRI and Radiation Therapy of Implantable Devices: Current Recommendations**

David Hayes (United States)

FRI-SL-2-2 **Safety of MRI Scanning in Patients with CIED**

Il-Young Oh (South Korea)

FRI-SL-2-3 **Cellular Phone and CIEDs, Better or Worse?**

Yuji Nakazato (Japan)

FRI-SL-2-4 **MRI in Patients with Non MRI Conditioning Pacemakers, Single Center Experience**

Charn Sriratanasathavorn (Thailand)

FRI-SL-2-5 **Device Detected Ventricular High Rate Episodes – Do they Matter?**

Iain Melton (New Zealand)

Device 20: How to Achieve Perfect CRT-Optimization, Part I

Date: Oct-19 | Time: 10:30-12:10

Room: North Lounge, 3F, TICC

Moderators: Anil Saxena (India), Muhammad Yamin (Indonesia), Toshinari Onishi (Japan)

FRI-NL-2-1 **ECG Optimization of CRT Devices**

Pipin Kojodjojo (Singapore)

FRI-NL-2-2 **Controversy in CRT-D Versus CRT-P**

Chee Wan Lee (Singapore)

FRI-NL-2-3 **CRT Optimization in 2018**

Cheuk-Man Yu (Hong Kong)

FRI-NL-2-4 **The Benefits of CRT Optimization**

Maurizio Giuseppe Angelo Lunati (Italy)

Smart Healthcare 02: APHRS-HRS Joint Session: Disease Signature using Small and Big Data

Date: Oct-19 | Time: 10:30-12:10

Room: Banquet Hall, 3F, TICC

Moderators: Leo Anthony Celi (United States), Nobuhisa Hagiwara (Japan), Mien-Cheng Chen (Taiwan)

FRI-BH-2-1 **Opening Remarks**

Thomas F. Deering (United States)

FRI-BH-2-2 **Association of Arrhythmia-Related Genetic Variants with Phenotypes Documented in Electronic Medical Records**

Dan M. Roden (United States)

FRI-BH-2-3 **Transcriptional Signatures in Disease Models**

Glenn I. Fishman (United States)

FRI-BH-2-4 **Potentials and Pitfalls of Big Data in the ICU**

Leo Anthony Celi (United States)

FRI-BH-2-5 **Clinical implication of Risk factor (pre- Hypertension, Pre-Diabetes) Related to AF in terms of Big Data**

Junbeom Park (South Korea)

FRI-BH-2-6 **Risk and Prediction of SCD and Ventricular Arrhythmias for Patients with AF from the National Health Insurance Research Database**

Tze-Fan Chao (Taiwan)

FRI-BH-2-7 **Closing Remarks**

Chen-Chuan Cheng (Taiwan)

Allied Professionals 06: State-of-the-Art Cardiac Device Sudden Death and Follow-up

Date: Oct-19 | Time: 10:30-12:10

Room: Conference 1, 2F, TWTC

Moderators: Dulce Obias-Manno (United States), Sunil Kumar Sofat (India), Masato Murakami (Japan), Hyun-Soo Lee (South Korea), Chien-Ming Cheng (Taiwan), Jung-Chou Wu (Taiwan)

- FRI-C1-2-1 **Primary Prevention: Who Does Need an ICD and Proper Programming**
Thorani Chantrarat (Thailand)
- FRI-C1-2-2 **ICD in Non Ischemic Cardiomyopathy**
Kai Hang Yiu (Hong Kong)
- FRI-C1-2-3 **Programming Guidelines for Non-Conditional CIEDs in MRI Studies**
Vikas Kataria (India)
- FRI-C1-2-4 **Management Issues in Deactivation of CIEDs**
Susan L Song (United States)
- FRI-C1-2-5 **Nightmare of CIED**
Chih-Chieh Yu (Taiwan)
- FRI-C1-2-6 **Remote Monitor Improved Patients Outcome**
Kaoru Tanno (Japan)

Joint Session 04: Country to Country Session – Getting Closer to the Countries, Part II

Date: Oct-19 | Time: 10:30-12:10

Room: Conference 2, 2F, TWTC

Moderators: Koichiro Kumagai (Japan), Nwe Nwe (Myanmar), Tsu-Juey Wu (Taiwan)

- FRI-C2-2-1 **Opening Remarks**
Ngai Yin Chan (Hong Kong)
- FRI-C2-2-2 **Update of EP Services in Brunei**
Sofian Johar (Brunei)
- FRI-C2-2-3 **Current Status of EP Service in Cambodia**
Chandara Mam (Cambodia)
- FRI-C2-2-4 **Current Status and Issues of the CIED Management in Mongolia**
Mungun-Ulzii Khurelbaatar (Mongolia)
- FRI-C2-2-5 **Two Cornerstones on Road Map**
Saruul Tseveendee (Mongolia)
- FRI-C2-2-6 **Industry View (I): The Strategy for Improving Arrhythmia Discrimination in Developing Countries**
Mark L. Brown (United States)
- FRI-C2-2-7 **Industry View (II): How to Step Up EP Management in the Developing Countries Members of APHRS**
Tim Page (Australia)
- FRI-C2-2-8 **Closing Remarks**
Dean Boddington (New Zealand)

Policy and Practice 02: The Bad Combinations of AF and Systemic Diseases

Date: Oct-19 | Time: 10:30-12:10

Room: Conference 3, 2F, TWTC

Moderators: Sirin Apiyasawat (Thailand), Masaomi Kimura (Japan), Sung-Won Jang (South Korea)

- FRI-C3-2-1 **Double Trouble: AF and Heart Failure**
Jonathan Kalman (Australia)
- FRI-C3-2-2 **The Talk Between Heart and Lung: AF Patients with Asthma/COPD**
So-Ryoung Lee (South Korea)
- FRI-C3-2-3 **The Talk Between Heart and Kidney: AF Patients with Renal Insufficiency**

- FRI-C3-2-4 **Wen-Chin Tsai** (Taiwan)
Metabolic Syndrome and AF
Yong-Giun Kim (South Korea)
- FRI-C3-2-5 **Risk Factor Modification Therapy for AF**
Thomas F. Deering (United States)

Pediatrics 04: Cardiac Arrhythmias in Children with Congenital Heart Disease

Date: Oct-19 | Time: 10:30-12:10

Room: Conference 5, 2F, TWTC

- Moderators: **Edward P Walsh** (United States), **Ji Eun Ban** (South Korea), **Mei-Hwan Wu** (Taiwan)
- FRI-C5-2-1 **Ablation of Atrial Arrhythmia Following Fontan Repair**
Eun-Jung Bae (South Korea)
- FRI-C5-2-2 **Arrhythmias in Ebstein Anomaly**
Edward P Walsh (United States)
- FRI-C5-2-3 **Late Arrhythmias after Surgery for Congenitally Corrected Transposition of the Great Arteries**
Ji Eun Ban (South Korea)
- FRI-C5-2-4 **Antiarrhythmic Intervention with Intracardiac Repair for Patient with Congenital Heart Disease**
Shigeru Tateno (Japan)
- FRI-C5-2-5 **Sudden Death in TOF Patients after Corrective Surgery**
Shuenn-Nan Chiu (Taiwan)
- FRI-C5-2-6 **Fragmented QRS in Pediatric and Congenital Heart Disease**
June Huh (South Korea)

SCD 02: Overview and Update of the Etiology of SCD in 2018

Date: Oct-19 | Time: 10:30-12:10

Room: Joy Lounge, 4F, TICC

- Moderators: **Will Chan** (Hong Kong), **Ardian Rizal** (Indonesia), **Wen-Jone Chen** (Taiwan)
- FRI-JL-2-1 **2017 AHA/ACC/HRS Guideline for Management of Patients with Ventricular Arrhythmias and the Prevention of SCD**
Manura Lekamwattage (Sri Lanka)
- FRI-JL-2-2 **Sudden Death in Structurally Normal Heart**
Josep Brugada Terradellas (Spain)
- FRI-JL-2-3 **Update on Mechanisms Underlying the Early Repolarization Syndrome**
Charles Antzelevitch (United States)
- FRI-JL-2-4 **SCD in Hypertrophic Cardiomyopathy**
B. Hygriv Rao (India)

Learning from the Experts and Legends 04

Date: Oct-19 | Time: 10:30-12:10

Room: Plenary Hall, 3F, TICC

- Moderators: **San-Jou Yeh** (Taiwan), **Shu Zhang** (China), **Wee Siong Teo** (Singapore)
- FRI-PH-2-1 **Insight from Post-Ablation Follow-Up Cardiac MR Imaging in AF**
Young-Hoon Kim (South Korea)
- FRI-PH-2-2 **Is AF Management as Simple as ABC? Streamlining Simple Decision-Making Pathways**
Gregory Yoke Hong Lip (United Kingdom)
- FRI-PH-2-3 **Keynote Address: Taipei Approach of Non-PV Triggers**
Shih-Ann Chen (Taiwan)

Cross-Strait Chinese Session 06: 心臟植入您將面臨的困境：植入性電子儀器操作的重要課題與挑戰

Date: Oct-19 | Time: 10:30-12:10

Room: VIP, 4F, TICC

Moderators: 薛小臨 Xiaolin Xue, 張鳳祥 Fengxiang Zhang, 謝仁哲 Jen-Che Hsieh, 柯文欽 Wen-Chin Ko

FRI-VIP-2-1 無導線心臟節律器的實際臨床運用與未來

馮文楷 Man-Cai Fong

FRI-VIP-2-2 希浦系統起搏的臨床應用

陳柯萍 Keping Chen

FRI-VIP-2-3 Peri LBB 起搏治療誘導心肌病 1 例

王堯 Yao Wang

FRI-VIP-2-4 非缺血性心肌病變猝死的預防和經驗

黃世鐘 Shih-Chung Huang

FRI-VIP-2-5 左心耳封堵治療時所面臨的難題

蔡佳醞 Chia-Ti Tsai

Luncheon Symposium 08: Stroke Prevention in AF: Is it East vs West? (Sponsor: Pfizer)

Date: Oct-19 | Time: 12:20-13:20

Room: 101A, 1F, TICC

Moderator: Mien-Cheng Chen (Taiwan)

FRI-101A-LS-1 New Insights into Stroke and Bleeding Risk in Asian AF Patients

Tze-Fan Chao (Taiwan)

FRI-101A-LS -2 Putting it All Together – What does it Really Mean for My AF Patients?

Renato D. Lopes (United States)

Panel Discussion

Luncheon Symposium 09: Navigating through Diverse RWE Data-from Global to Asia (Sponsor: Bayer)

Date: Oct-19 | Time: 12:20-13:20

Room: 101B, 1F, TICC

Moderators: Chi-Tai Kuo (Taiwan), Wen-Jone Chen (Taiwan)

FRI-101B-LS-1 From Clinical Trial to Clinical Practice: What Questions Remain with Respect to the NOACs- XANTUS Pooled

John Camm (United Kingdom)

FRI-101B-LS -2 Are All NOACs the Same in Asian Population? Insights from Randomized Controlled Trial to Clinical Practice

Chun-Chieh Wang (Taiwan)

Luncheon Symposium 10: Innovative Technologies in Arrhythmia Management (Sponsor: Boston Scientific)

Date: Oct-19 | Time: 12:20-13:20

Room: 101C, 1F, TICC

Moderator: Kenzo Hirao (Japan), Brooke Allocco (United States)

FRI-101C-LS-1 DirectSense™ Technology with RHYTHMIA HDx™: A new dimension in Ultra High-Density Mapping and Ablation

Moloy Das (United Kingdom)

FRI-101C-LS -2 RHYTHMIA HDx™ 3D Mapping: from the Simple to the Complex

Jinlin Zhang (China)

FRI-101C-LS -3 Expanding the Role of WATCHMAN™ LAAC in Asia-Pacific

Sofian Johar (Brunei)

Luncheon Symposium 11: High Density Mapping and Ablation Strategies in AF and VT (Sponsor: Abbott)

Date: Oct-19 | Time: 12:20-13:20

Room: 201BC, 2F, TICC

Moderators: **Young-Hoon Kim** (South Korea), **Kyoko Soejima** (Japan), **Minglong Chen** (China)

FRI-201BC-LS-1 **Latest Ablation Techniques in AF: LSI Recommendation Value in AF Ablation**
Seiichiro Matsuo (Japan)

FRI-201BC-LS -2 **High Density Mapping Techniques and Advisor HD Grid SE Application in AF**
Pasquale Santangeli (United States)

FRI-201BC-LS -3 **High Density Mapping Techniques and Advisor HD Grid SE Application in VT**
Wendy S. Tzou (United States)

Luncheon Symposium 12: Clinical Burden and Treatment Strategy of Atrial Fibrillation in Asia: Pivotal Evidence vs. Real World Experience (Sponsor: Daiichi Sankyo)

Date: Oct-19 | Time: 12:20-13:20

Room: 201DE, 2F, TICC

Moderators: **Andreas Götte** (Germany), **Hung-I Yeh** (Taiwan)

FRI-201DE-LS-1 **Bridging the Gap Between Scientific Knowledge and Clinical Experience: Bird's-Eye View of NOAC Evidence in Atrial Fibrillation**
Gregory Yoke Hong Lip (United Kingdom)

FRI-201DE-LS -2 **Thrombotic Risk and Treatment Strategies in Asian Population with Atrial Fibrillation - Taiwan**
Yi-Hsin Chan (Taiwan)

FRI-201DE-LS -3 **Thrombotic Risk and Treatment Strategies in Asian Population with Atrial Fibrillation - Korea**
Eue-Keun Choi (South Korea)

Luncheon Symposium 13: Early Clarify of Complex Arrhythmia Mechanism (Sponsor: Biosense Webster)

Date: Oct-19 | Time: 12:20-13:20

Room: Banquet Hall, 3F, TICC

Moderators: **Ken Okumura** (Japan), **Moussa Mansour** (United States)

FRI-BH-LS-1 **Mapping of Post-AF Atrial Arrhythmia with PENTARAY®**
Yuanhong Liang (China)

FRI-BH-LS -2 **Advantages and Techniques of Fast Mapping Diagnosis - Ripple Mapping**
Prapa Kanagaratnam (United Kingdom)

FRI-BH-LS -3 **Workflow Suggestion**
Yoshihide Takahashi (Japan)

Luncheon Symposium 14: Evolving Role of His Bundle Pacing (Sponsor: Medtronic)

Date: Oct-19 | Time: 12:20-13:20

Room: VIP, 4F, TICC

Moderators: **Wei Hua** (China), **Hiroshi Tada** (Japan), **Rajiv Mahajan** (Australia)

FRI-VIP-LS-1 **Why Consider HBP? The Benefit and Risks from a Multiclinic Study Result**
Pugazhendhi Vijayaraman (United States)

FRI-VIP-LS -2 **HBP Definitions: Understanding of the Various Response to HBP**
Chin Pang Chan (Hong Kong)

FRI-VIP-LS -3 **Step by Step: How to Perform HBP?**
Uwais Mohamed (Australia)

Image and Anatomy o8: Interactive Anatomy and Imaging Course II

Date: Oct-19 | Time: 12:20-13:20

Room: Theater 2, 1F, TWTC

Moderators: **Jeong-Wook Seo** (South Korea), **Hsuan-Ming Tsao** (Taiwan)

- FRI-TH2-2-1 **Cardiac Images Processing and AR Application**
Wei-Chih Hu (Taiwan)
- FRI-TH2-2-2 **Pre-Procedural 3D Printing of Cardiac Models in EP (I): AF and VT Ablation**
Alejandro Jimenez Restrepo (United States)
- FRI-TH2-2-3 **Pre-Procedural 3D Printing of Cardiac Models in EP (II): LAA Occluder and Congenital Heart Disease**
Alejandro Jimenez Restrepo (United States)

Live Demo (Ablation)

Date: Oct-19 | Time: 13:30-15:25

Room: Plenary Hall, 3F, TICC

Panelists: Yung-Kuo Lin (Taiwan) (Chair), Mike Mangrum (United States), Yu-Feng Hu (Taiwan), Yu-Ming Liu (Taiwan), Wendy S. Tzou (United States), Kyoko Soejima (Japan), Satoshi Higa (Japan), Peter Kistler (Australia), Minglong Chen (China), Boris Schmidt (Germany), Chin Pang Chan (Hong Kong)

- FRI-PH-3-1 **Noninvasive Mapping of Cardio-insight (Video Demo)**
Mike Mangrum (United States)
- FRI-PH-3-2 **Cyber Heart (Video Demo)**
Li-Wei Lo (Taiwan), Yu-Ming Liu (Taiwan)
- FRI-PH-3-3 **Substrate VT Ablation**
Roderick Tung (United States), Li-Wei Lo (Taiwan), Yung-Lung Chen (Taiwan)
Endoscopic Laser Balloon in AF Ablation
Vivek Reddy (United States), Shih-Lin Chang (Taiwan), Kuan-Cheng Chang (Taiwan)
Advanced Electroanatomic Mapping with Carto® 3 for AF
Yenn-Jiang Lin (Taiwan), Fa-Po Chung (Taiwan), Lian-Yu Lin (Taiwan)

Basic and Translational Medicine 09: Translation Research in Atrial Arrhythmia, Part II

Date: Oct-19 | Time: 13:30-15:10

Room: 101A, 1F, TICC

- Moderators: Bobby John (Australia), Christopher X. Wong (Australia), Haruo Honjo (Japan), Alisara Anannab (Thailand)
- FRI-101A-3-1 **Atrial Remodeling in Obstructive Sleep Apnea**
Hany Dimitri (Australia)
- FRI-101A-3-2 **Molecular Correlates of Focal Ectopic Activity in AF Patients**
Dobromir Tzankov Dobrev (Germany)
- FRI-101A-3-3 **What is the Vulnerable Parameter of the Substrate of Persistent AF in Patients with Valvular Disease?**
Maurits Allessie (Netherlands)
- FRI-101A-3-4 **Suppressive Effect of DPP4-Inhibitor for the Atrial Remodeling in a Canine AF Model**
Shinichi Niwano (Japan)
- FRI-101A-3-5 **MicroRNA in AF: From Basic Mechanisms to Translational Potential**
Masahide Harada (Japan)

Basic and Translational Medicine 10: Innovative Mechanism of Arrhythmia

Date: Oct-19 | Time: 13:30-15:10

Room: 101C, 1F, TICC

- Moderators: Diane Fatkin (Australia), Kit Chan (Hong Kong), Seiko Ono (Japan)
- FRI-101C-3-1 **Functional Genomics for Cardiac Arrhythmias**
Andrew R. Marks (United States)
- FRI-101C-3-2 **Optogenetics for the treatment of cardiac arrhythmias**
Shien-Fong Lin (Taiwan)
- FRI-101C-3-3 **The Future of Arrhythmia Therapy: The Role of Innovation**
Paul J. Wang (United States)

FRI-101C-3-4 **FHF Proteins and Arrhythmogenic Heart Disease**
Glenn I. Fishman (United States)

Stem Cell 03: Stem Cells for Disease Modeling: The Winding Road to Repair the Human Heart

Date: Oct-19 | Time: 13:30-15:10

Room: 101D, 1F, TICC

Moderators: Takanori Ikeda (Japan), Yuji Shiba (Japan), Po-Hsun Huang (Taiwan)

FRI-101D-3-1 **Power and Pitfalls of Induced Pluripotent Stem Cell Models of Human Arrhythmia Syndromes**
Bjorn Knollmann (United States)

FRI-101D-3-2 **ARVC Models In-A-Dish Reveal Novel Pathogenic Insights**
Huei-Sheng Vincent Chen (United States)

FRI-101D-3-3 **Cardiac Laminopathy**
Hung-Fat Tse (Hong Kong)

FRI-101D-3-4 **Disease Modeling of Cardiac Diseases Using Induced Pluripotent Stem Cells**
Yoshinori Yoshida (Japan)

HF 09: How to Produce High Value Care: Multidiscipline Approaches

Date: Oct-19 | Time: 13:30-15:10

Room: 103, 1F, TICC

Moderators: Kai Hang Yiu (Hong Kong), Pow-Li Chia (Singapore), Yen-Wen Wu (Taiwan)

FRI-103-3-1 **The Value of HF Nursing Specialist-Based Integrated Care in HF Programs**
Chao-Hung Wang (Taiwan)

FRI-103-3-2 **Multidisciplinary Care of HF Care in Japan**
Yasuchika Takeishi (Japan)

FRI-103-3-3 **Multidisciplinary Care of HF in Hong Kong**
Katherine Fan (Hong Kong)

FRI-103-3-4 **Understanding Patient Values and Preferences to Enhance Shared Decision-Making**
Mellanie True Hills (United States)

FRI-103-3-5 **Hybrid Therapy with Anti-Arrhythmic Drugs and Ablation in AF Patients Associated with Chronic HF**
Satoshi Yanagisawa (Japan)

Image and Anatomy 09: New Insight into the Role of Cardiac Imaging in Risk Assessment of AF

Date: Oct-19 | Time: 13:30-15:10

Room: 201A, 2F, TICC

Moderators: Hitoshi Ichiki (Japan), Daein lee (South Korea), Hyoung-Seob Park (South Korea)

FRI-201A-3-1 **LA Fibrosis and Risk of Cerebrovascular and Cardiovascular Events in Patients with AF**
Eugene Kholmovski (United States)

FRI-201A-3-2 **LAA Morphology and Stroke**
Andrea Natale (United States)

FRI-201A-3-3 **LAA Function and Outcome of AF Ablation**
Takanao Mine (Japan)

FRI-201A-3-4 **Epicardial Adipose Tissue and AF**
Naohiko Takahashi (Japan)

FRI-201A-3-5 **Pattern of Late Gadolinium Enhancement Predicts Arrhythmic Events in Patients with Non-Ischemic Cardiomyopathy**
Junbeom Park (South Korea)

Non-Invasive ECG 05: Early Repolarization and J Wave Syndromes: Challenges to Diagnosis, Prognosis and Management

Date: Oct-19 | Time: 13:30-15:10

Room: 201F, 2F, TICC

Moderators: Frank Bogun (United States), Chandara Mam (Cambodia), Soot Keng Ma (Malaysia)

FRI-201F-3-1 **J Wave During Exercise**

Yoshiyasu Aizawa (Japan)

FRI-201F-3-2 **Diagnostic Approach to Syncope Evaluation in Early Repolarization**

June Soo Kim (South Korea)

FRI-201F-3-3 **Clinical Significance of J Wave in Early Repolarization and Brugada Syndromes**

Masahiko Takagi (Japan)

FRI-201F-3-4 **Gender Specific Modulation of Early Repolarization: From Ion Channel to ECG**

Tetsunori Saikawa (Japan)

Risk Stratification 07: Renal Disease and AF – From the Basic to Clinic and the Evidence Gap

Date: Oct-19 | Time: 13:30-15:10

Room: 202, 2F, TICC

Moderators: Yasushi Mukai (Japan), Keisuke Okawa (Japan), Yae Min Park (South Korea)

FRI-202-3-1 **Renal Toxin in the Pathogenesis of AF**

Shih-Yu Huang (Taiwan)

FRI-202-3-2 **Close Relationship Between AF and Chronic Kidney Disease - The Chicken-and-Egg Conundrum**

Michael Wong (Australia)

FRI-202-3-3 **Renal Dysfunction and the Risk of Stroke and Bleeding in AF**

Young Keun On (South Korea)

FRI-202-3-4 **Stroke Prevention in AF Patients with End-Stage Renal Disease – OACs or LAA Occlusion?**

Razali Omar (Malaysia)

FRI-202-3-5 **Ablation Outcome and Change of Renal Function in AF Patients with Chronic Kidney Disease**

Takashi Kurita (Japan)

Device 21: Para-His Pacing: Case and Experience Sharing

Date: Oct-19 | Time: 13:30-15:10

Room: 203, 2F, TICC

Moderators: Giulio Conte (Italy), Michael R Gold (United States), Mark Perrin (Australia), Toshiaki Sato (Japan)

FRI-203-3-1 **Challenges and Troubleshooting in Permanent His Bundle Pacing**

Pugazhendhi Vijayaraman (United States)

FRI-203-3-2 **Alternative Pacing Site: Septal Versus His Pacing**

Tohru Kawakami (Japan)

FRI-203-3-3 **His Bundle Pacing: My Experience to Date**

Vincent R. Deen (Australia)

FRI-203-3-4 **His Bundle Pacing: Case Sharing**

Hiroshi Tasaka (Japan)

FRI-203-3-5 **Pitfall in His Bundle Pacing**

Vadagenalli S Prakash (India)

Device 22: Nightmares of Device Infection: Recognition and Therapeutic Strategy

Date: Oct-19 | Time: 13:30-15:10

Room: South Lounge, 3F, TICC

Moderators: Wen-Chin Ko (Taiwan), Oussama Wazni (United States), Arisara Suwanagool (Thailand)

FRI-SL-3-1 **Management of CIED Infection**

Neil Strathmore (Australia)

FRI-SL-3-2 **Prevention of CIED Infections**

Bruce Wilkoff (United States)

- FRI-SL-3-3 **Hematomas and CIED Infection**
Nigel Lever (New Zealand)
- FRI-SL-3-4 **Reimplantation After CIED Infection: Epicardial, Endocardial, Subcutaneous, or Leadless?**
Oussama Wazni (United States)
- FRI-SL-3-5 **Sharing Nightmare Cases of CIEDs Infection**
Spencer Heald (New Zealand)

Device 23: How to Achieve Perfect CRT-Optimization, Part II

Date: Oct-19 | Time: 13:30-15:10

Room: North Lounge, 3F, TICC

- Moderators: Michio Ogano (Japan), Azlan Hussin (Malaysia), Thoranis Chantrarat (Thailand)
- FRI-NL-3-1 **The Complex CRT Implant: Tips, Tricks and Techniques in the Contemporary Era**
Gopal Sivagangabalan (Australia)
- FRI-NL-3-2 **3-D Electroanatomic Mapping Aided CRT Lead Placement**
Ulhas M. Pandurangi (India)
- FRI-NL-3-3 **Technical Tips for LV Lead Insertion**
Woo-Hyun Lim (South Korea)
- FRI-NL-3-4 **CRTD Implantation: Optimal Lead Selection in the Modern Era**
Yizhou Xu (China)
- FRI-NL-3-5 **Cardiac Imaging to Guide Patient Selection for CRT**
John N Hill (Australia)

Smart Healthcare 03: I-Care Integrated in Precision Medicine

Date: Oct-19 | Time: 13:30-15:10

Room: Banquet Hall, 3F, TICC

- Moderators: Hein Heidbuchel (Belgium), Yosuke Ishii (Japan), Ming-Shien Wen (Taiwan)
- FRI-BH-3-1 **Detect AF, from CIED to Handheld Electrocardiogram Devices**
Hein Heidbuchel (Belgium)
- FRI-BH-3-2 **Clinical Validation and Diagnostic Utility of an ECG Smart Patch**
Mustafa Remzi Karaoğuz (Turkey)
- FRI-BH-3-3 **Smart Clothes: Early Cardiac Warning with ECG and MCG Monitoring**
Ming-Yih Lee (Taiwan)
- FRI-BH-3-4 **Smart Watch for Detecting Cardiac Arrhythmia**
Men-Tzung Lo (Taiwan)
- FRI-BH-3-5 **Personalized Medicine to Treat Arrhythmia**
Dan M. Roden (United States)
- FRI-BH-3-6 **Application of Wireless Remote ECG in Patients after Catheter Ablation**
Po-Cheng Chang (Taiwan)

Allied Professionals 07: Technique and Knowledge of SVT

Date: Oct-19 | Time: 13:30-15:10

Room: Conference 1, 2F, TWTC

- Moderators: Jaishankar Krishnamoorthy (India), Satoru Sakagami (Japan), Kah Leng Ho (Singapore), Vo Kien Le (Vietnam), Wei-Ru Chiou (Taiwan)
- FRI-C1-3-1 **ECG Challenge: SVT Versus VT**
Gi-Byoung Nam (South Korea)
- FRI-C1-3-2 **Technique and Knowledge of SVT**
Chunja Yoo (South Korea)
- FRI-C1-3-3 **SVT Challenge**

- FRI-C1-3-4 **Dujdao Sahasthas** (Thailand)
AFL: How to Improve Successful Ablation
Shinji Kaneko (Japan)
- FRI-C1-3-5 **Ablation of AF in Adults with Congenital Heart Disease**
Suguru Nishiuchi (Japan)

Joint Session 05: Country to Country Session – Getting Closer to the Countries, Part III

Date: Oct-19 | Time: 13:30-15:10

Room: Conference 2, 2F, TWTC

- Moderators: **Michael-Joseph Agbayani** (Philippines), **Hoang Anh Tien** (Vietnam), **Quoc Khanh Pham** (Vietnam)
- FRI-C2-3-1 **Opening Remarks**
Chen-Chuan Cheng (Taiwan)
- FRI-C2-3-2 **Some Clinical Aspects of Brugada Syndrome in Vietnam**
Hoang Anh Tien (Vietnam)
- FRI-C2-3-3 **Epidemiology of Brugada Syndrome**
Giselle Gervacio (Philippines)
- FRI-C2-3-4 **Second Chance: The Lived Experiences of Sudden Cardiac Arrest Survivors**
Marcellus Francis Ramirez (Philippines)
- FRI-C2-3-5 **Development and Validation of Surface ECG in the Septal Accessory Pathway Localization in Typical WPW Syndrome**
Si Dung Chu (Vietnam)
- FRI-C2-3-6 **AT Arrhythmias in Pacemaker**
Giang Song Tran (Vietnam)
- FRI-C2-3-7 **The Practice of Arrhythmia Management in Vietnam**
Quoc Khanh Pham (Vietnam)
- FRI-C2-3-8 **Closing Remarks**
Kenzo Hirao (Japan)

Policy and Practice 03: Screen of AF – How and Why?

Date: Oct-19 | Time: 13:30-15:10

Room: Conference 3, 2F, TWTC

- Moderators: **Guoqiang Zhong** (China), **Taijiro Sueda** (Japan), **Li-Jen Lin** (Taiwan)
- FRI-C3-3-1 **AF Screening: The Rationale and the Yield Rate**
Ngai Yin Chan (Hong Kong)
- FRI-C3-3-2 **When and How to Perform AF Screening**
John Camm (United Kingdom)
- FRI-C3-3-3 **AF Burden: Moving Beyond AF as a Binary Entity: A Scientific Statement from the American Heart Association**
Lin Yee Chen (United States)
- FRI-C3-3-4 **Overview of National Recommendations and Current Consensus on Screening for AF**
Ben Freedman (Australia)

LAA 03: New Indications to Explore for LAA Exclusion

Date: Oct-19 | Time: 13:30-15:10

Room: Conference 5, 2F, TWTC

- Moderators: **Alejandro Jimenez Restrepo** (United States), **Taku Nishida** (Japan), **Jen-Yuan Kuo** (Taiwan)
- FRI-C5-3-1 **Percutaneous LAA Transcatheter Occlusion in High Risk AF Patients**
Weijian Huang (China)
- FRI-C5-3-2 **Tips and Tricks for Safe Epicardial Access: Micropuncture, EPiEP and More**

- FRI-C5-3-3 **Luigi Di Biase** (United States)
New Strategy for Surgical LAA Closure
Katsuhiko Imai (Japan)
- FRI-C5-3-4 **LAA Closure (Watchman/Lambre): The Pitfall and Challenge**
Muhammad Munawar (Indonesia)
Panel Discussion

SCD 03: Risk Stratification of SCD in Inherited Arrhythmia Syndrome

Date: Oct-19 | Time: 13:30-15:10

Room: Joy Lounge, 4F, TICC

- Moderators: **Man-Chun Choi** (Hong Kong), **C. Narasimhan** (India), **Kenji Yodogawa** (Japan)
- FRI-JL-3-1 **Risk Stratification in Brugada Syndrome in 2018**
Masayasu Hiraoka (Japan)
- FRI-JL-3-2 **Brugada Syndrome: The Experience in Cambodia**
Pichmanil Khmao (Cambodia)
- FRI-JL-3-3 **What is New in the Long QT Syndrome and SCD?**
Sami Viskin (Israel)
- FRI-JL-3-4 **Risk Stratification for Sudden Death in Hypertrophic Cardiomyopathy**
Chris Semsarian (Australia)
- FRI-JL-3-5 **The Role of Imaging Modalities in Risk Evaluation for ARVC**
Mohan Nair (India)

Chaired Poster 04: Basic and Translational Medicine

Date: Oct-19 | Time: 15:00-16:00

Room: Chaired Poster Station, 1F, TWTC

- Moderators: **Wataru Shimizu** (Japan), **Tae-Joon Cha** (South Korea), **Wen-Chin Ko** (Taiwan)
- FRI-CP04-03 **Ranolazine Attenuates Profibrotic P-SMAD3 and Upregulates Cardioprotective AKT Pathway in Paced Atrial Cells**
Daun Jeong, Jong-Il Choi, Hyejeong Lee, Tae Hee Ko, Yun Gi Kim, Suk-Kyu Oh, Kwang No Lee, Jaemin Shim, Young-Hoon Kim, Korea University College of Medicine and Korea University Medical Center (South Korea)
- FRI-CP04-04 **Three-Dimensional Structure Analysis of Mutant Ryanodine Receptor Type 2 Channels Associated with Catecholaminergic Polymorphic Ventricular Tachycardia**
Jingshan Gao, Seiko Ohno, Yimin Wuriyanghai, Hirohiko Kohjitani, Asami Kashiwa, Sayako Hirose, Takeshi Kimura, Takeshi Kimura, Kyoto University (Japan), Yuta Yamamoto, National Cerebral and Cardiovascular Center (Japan), Minoru Horie, Shiga University of Medical Science (Japan)
- FRI-CP04-05 **The Delivery of MiRNA 1 or 133 Using Blood-Derived Exosome Effects Ca²⁺ Release in Two Arrhythmia Models**
Hyelim Park, Hyo-eun Kim, Hyewon Park, Dasom Mun, Ji-young Kang, Boyoung Joung, Yonsei University (Korea)
- FRI-CP04-06 **Renal Sympathetic Denervation Increases MRNA Expression of KV11.1 and Suppresses Ventricular Arrhythmias in an Experimental Model of Long QT2 Syndrome**
Tzu-Yen Peng, Li-Wei Lo, Yu-Hui Chou, Shin-Huei Liu, Tsung-Ying Tsai, Wen-Han Cheng, Wei-Lun Lin, Pin-Yi Lin, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
- FRI-CP04-07 **Inhibition of Sodium Absorption Mediated by NH₃ Reduced Atrial Fibrillation in Rats**
Ricardo Mishima, Adrian Elliott, Dennis Lau, Rajiv Mahajan, Prashanthan Sanders, Dominik Linz, University of Adelaide (Australia), Mathias Hohl, Michael Böhm, Saarland University Hospital (Germany)

Basic and Translational Medicine 11: Translation Research in Atrial Arrhythmia, Part III

Date: Oct-19 | Time: 15:30-17:10

Room: 101A, 1F, TICC

Moderators: Kai Hang Yiu (Hong Kong), Norishige Morita (Japan), Shien-Fong Lin (Taiwan)

FRI-101A-4-1 **Renal Dysfunction and AF**

Niti Chadha Negi (India)

FRI-101A-4-2 **Microbiome and AF**

Dominik Linz (Australia)

FRI-101A-4-3 **Metabolic Consideration in AF: Mechanistic Insights and Therapeutic Opportunities**

Masahide Harada (Japan)

FRI-101A-4-4 **Hyperthyroid and AF**

Wanwarang Wongcharoen (Thailand)

FRI-101A-4-5 **Role of Vitamin D in AF**

Will Chan (Hong Kong)

Exercise and Athletes 01: Exercise-Related Ventricular Tachyarrhythmias

Date: Oct-19 | Time: 15:30-17:10

Room: 101B, 1F, TICC

Moderators: Hein Heidbuchel (Belgium), Cory M. Tschabrunn (United States), Wen-Yu Lin (Taiwan)

FRI-101B-3-1 **Screening Athletes with ECGs**

Marco Perez (United States)

FRI-101B-3-2 **Diagnosis and Management: Understanding the Link Between Exercise and Arrhythmia**

Miwa Miyoshi (Japan)

FRI-101B-3-3 **Exercise and the Channelopathies**

Andrew McGavigan (Australia)

FRI-101B-3-4 **Exercise-Induced Cardiomyopathy: If and When, How and Why**

Hein Heidbuchel (Belgium)

Gap Junction 01: Gap Junction in Heart Rhythm Disorder

Date: Oct-19 | Time: 15:30-17:10

Room: 101C, 1F, TICC

Moderators: Donglin Bai (Canada), Robert G. Gourdie (United States), Yu-Cheng Hsieh (Taiwan)

FRI-101C-4-1 **Mechanisms Linking Connexins to Disease and Impact on Heart Function**

Dale W. Laird (Canada)

FRI-101C-4-2 **Very-Low-Density Lipoprotein of Metabolic Syndrome Modulates Gap Junctions and Slows Cardiac Conduction**

Hsiang-Chun Lee (Taiwan)

FRI-101C-4-3 **Alteration of Electrophysiological Properties in Ventricular Arrhythmia Induced by Inhibition of Gap Junction**

Gary Tse (Hong Kong)

FRI-101C-4-4 **Effects of Gap Junction Modifier Rotigaptide on Susceptibility to Ventricular Arrhythmia**

Yu-Cheng Hsieh (Taiwan)

FRI-101C-4-5 **Novel Arrhythmia Syndrome Associated with Gap Junction Mutations**

Naomasa Makita (Japan)

Stem Cell 04: The Application of Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Mechanisms and Therapeutic Opportunities

Date: Oct-19 | Time: 15:30-17:10

Room: 101D, 1F, TICC

Moderators: Lior Gepstein (Israel), Yoo Ri Kim (South Korea), Patrick Ching-Ho Hsieh (Taiwan)

FRI-101D-4-1 **Maturation of Pluripotent Stem Cell-Derived Cardiomyocytes**

Yoshinori Yoshida (Japan)

FRI-101D-4-2 **Disease-Specific Drug Screen (Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT))**

- FRI-101D-4-3 **Lior Gepstein** (Israel)
Genomic Editing of Induced Pluripotent Stem Cells for Testing Pathological Significance of Rare Genetic Variants
- FRI-101D-4-4 **Bjorn Knollmann** (United States)
The Taiwan Human Induced Pluripotent Stem Cells Consortium
- FRI-101D-4-5 **Patrick Ching-Ho Hsieh** (Taiwan)
Allogeneic Transplantation of IPS Cell-Derived Cardiomyocytes Regenerates Primate Hearts
- Yuji Shiba** (Japan)

VT/VF 17: Optimal Approach in Mapping and Ablation

Date: Oct-19 | Time: 15:30-17:10

Room: 102, 1F, TICC

- Moderators: **Meleze Hocini** (France), **Takeshi Sasaki** (Japan), **Giselle Gervacio** (Philippines)
- FRI-102-3-1 **Mapping of Early VF in Humans**
Meleze Hocini (France)
- FRI-102-3-2 **Ablation for VF**
Samuel J. Asirvatham (United States)
- FRI-102-3-3 **Catheter Ablation of J Wave Syndrome with VF**
Jaemin Shim (South Korea)
- FRI-102-3-4 **Mechanisms of Long Duration VF in the Human Heart**
Nicholas Jackson (Australia)

HF 10: Pathophysiology and Arrhythmogenesis: Molecular Interaction and Novel Strategy

Date: Oct-19 | Time: 15:30-17:10

Room: 103, 1F, TICC

- Moderators: **Shinichi Niwano** (Japan), **Masatsugu Nozoe** (Japan), **Khin Maung Win** (Myanmar), **Lung-Sheng Wu** (Taiwan)
- FRI-103-4-1 **CaMKII and Arrhythmias in HF**
Mark E. Anderson (United States)
- FRI-103-4-2 **Role of MicroRNA in Atrial Remodeling in HF**
Tetsuo Sasano (Japan)
- FRI-103-4-3 **Pathophysiology and EP Intervention in HFpEF: A New Frontier**
Sanjeev Saksena (United States)
- FRI-103-4-4 **Mechanisms of Ventricular Tachyarrhythmias in HF**
Hiroya Mizuno (Japan)

Image and Anatomy 10: Impact of Cardiac Imaging in Preventing Complication of EP Procedures

Date: Oct-19 | Time: 15:30-17:10

Room: 201A, 2F, TICC

- Moderators: **Andrei Catanchin** (Australia), **Shinsuke Miyazaki** (Japan), **Yan Yao** (China)
- FRI-201A-4-1 **Protection of Esophageal Injury during AF Ablation**
Moussa Mansour (United States)
- FRI-201A-4-2 **Prevention of Coronary Artery Injury during Ablation**
Sunny Po (United States)
- FRI-201A-4-3 **Phrenic Nerve Injury**
Siew Yen Ho (United Kingdom)
- FRI-201A-4-4 **Prevention of PV Stenosis and Pericardial Effusion after AF Ablations**
Davendra Mehta (United States)
- FRI-201A-4-5 **Silent Cerebral Events**
Shinsuke Miyazaki (Japan)

AF 17: Guidelines: Overview of the ESC Guideline (AF) and Comparisons with Others

Date: Oct-19 | Time: 15:30-17:10

Room: 201BC, 2F, TICC

- Moderators: **Angelo Auricchio** (Switzerland), **Thomas F. Deering** (United States), **Kejiang Cao** (China)
- FRI-201BC-3-1 **Overview of 2016 ESC AF Guideline (Rate Control, Rhythm Control, and Stroke Prevention)**
Robert Hatala (Slovakia)
- FRI-201BC-3-2 **Overview of 2016 ESC AF Guideline (Catheter Ablation)**
Gerhard Hindricks (Germany)
- FRI-201BC-3-3 **Contemporary AF Management: A Comparison of the Current AHA/ACC/HRS, CCS, and ESC Guidelines**
Atul Verma (Canada)
- FRI-201BC-3-4 **Differences from APHRS Guideline in Stroke/Bleeding Risk Assessment and Stroke Prevention**
Minglong Chen (China)
- FRI-201BC-3-5 **Anticoagulation in Valvular Heart Disease Patients: Insight into Current Guidelines**
Ju Youn Kim (South Korea)

AF 18: Phase Mapping/ Rotor Ablation: Fundamental and Applied Strategy

Date: Oct-19 | Time: 15:30-17:10

Room: 201DE, 2F, TICC

- Moderators: **Sanjiv M. Narayan** (United States), **Hiroshi Nakagawa** (United States), **Teiichi Yamane** (Japan)
- FRI-201DE-3-1 **Influence of the Left Atrial Contact Areas on Fixed Low-Voltage Zones During AF and Sinus Rhythm in Persistent AF**
Shiro Nakahara (Japan)
- FRI-201DE-3-2 **A Computational Analysis Framework to Investigate the Roles of Atrial Myostructure in AF**
Jichao Zhao (New Zealand)
- FRI-201DE-3-3 **Magnetocardiographic Atrial F Wave Source Localization and Its Clinical Application**
Doosang Kim (South Korea)
- FRI-201DE-3-4 **New Frequency Analysis for AF Ablation**
Yasuhiro Yokoyama (Japan)
- FRI-201DE-3-5 **From Order to Complexity: Are Rotors Critical in Sustaining AF?**
José Jalife (United States)
- FRI-201DE-3-6 **Application of Phase Mapping and Automatic Algorithm in Detection of Rotors**
Men-Tzung Lo (Taiwan)
- Panel Discussion**

Risk Stratification o8: Future Direction of Research in Risk Stratification and Prevention of SCD

Date: Oct-19 | Time: 15:30-17:10

Room: 202, 2F, TICC

- Moderators: **Paul J. Wang** (United States), **Wei Hua** (China), **Thoranis Chantrarat** (Thailand)
- FRI-202-4-1 **The Future of Risk Stratification in ARVC/Dysplasia**
Hugh Calkins (United States)
- FRI-202-4-2 **Do not Forget the Classical Tool: Revisiting of ECG in the Prediction of SCD**
Yuan Hung (Taiwan)
- FRI-202-4-3 **Cardiac Magnetic Resonance Imaging: Which Information is Useful for the Arrhythmologist?**
Mohammad Shenasa (United States)
- FRI-202-4-4 **Utility of Genetics for Risk Stratification**
Takeshi Aiba (Japan)

Device 24: Remote Monitoring of CIED: Integrative Data Science for Health and Care Excellence

Date: Oct-19 | Time: 15:30-17:10

Room: 203, 2F, TICC

Moderators: **Timothy G.T. Yeh** (United States), **Susan L Song** (United States), **Takeshi Mitsuhashi** (Japan), **Giang Song Tran** (Vietnam)

FRI-203-4-1 **Remote Monitoring of Cardiac Devices: Issues Unique to Asia Pacific**

Bradley Wilsmore (Australia)

FRI-203-4-2 **Remote Monitoring of Patients with Implantable Devices - Does it Affect Outcome?**

Niraj Varma (United States)

FRI-203-4-3 **Impacts of Remote Monitoring on CIED/Lead Recalls**

Jian-Ming Li (United States)

FRI-203-4-4 **Should Remote Monitoring of CIEDs be Standard Practice?**

Chi-Keong Ching (Singapore)

FRI-203-4-5 **Subclinical AF: When Should We Consider Anticoagulation?**

Prash Sanders (Australia)

Device 25: Does Alternative Pacing Sites Prevent HF?

Date: Oct-19 | Time: 15:30-17:10

Room: South Lounge, 3F, TICC

Moderators: **Anil Saxena** (India), **Michio Ogano** (Japan), **Daniel Chong** (Singapore), **Majid Haghjoo** (Iran)

FRI-SL-4-1 **RV Apical Pacing and HF**

Young Soo Lee (South Korea)

FRI-SL-4-2 **Best Place for RV Lead: Pacemakers, ICD, CRT**

I. Eli Ovsyshcher (Israel)

FRI-SL-4-3 **Restoration of Ventricular Septal Hypoperfusion by CRT in Patients with Permanent RV Pacing**

Michio Ogano (Japan)

FRI-SL-4-4 **Improving Pacing Techniques: Getting the Basics Right**

Dean Boddington (New Zealand)

FRI-SL-4-5 **Optimization of Atrial and Ventricular Device Pacing Site: Seeking for the Holy Grail**

Alexander Edo Tondas (Indonesia)

Device 26: Elucidating the Complexities in CRT for HF with Non-CLBBB

Date: Oct-19 | Time: 15:30-17:10

Room: North Lounge, 3F, TICC

Moderators: **Chin-Feng Tsai** (Taiwan), **Balbir Singh** (India), **Tohru Kawakami** (Japan)

FRI-NL-4-1 **CRT Indication in Patients with Non-LBBB QRS Morphology**

Hiroshi Tada (Japan)

FRI-NL-4-2 **MRI in CRT Candidate Selection**

Saman Nazarian (United States)

FRI-NL-4-3 **Multipoint Pacing in Narrow QRS**

Maurizio Gasparini (Italy)

FRI-NL-4-4 **3-D Electroanatomic Mapping Aided CRT Lead Placement in RBBB**

Ulhas M. Pandurangi (India)

FRI-NL-4-5 **Cardiac-Resynchronization Therapy in HF with a Narrow QRS Complex**

Toshiaki Sato (Japan)

Smart Healthcare 04: APHRS-EHRA Joint Session: Precision Technology to Individualize Therapy

Date: Oct-19 | Time: 15:30-17:10

Room: Banquet Hall, 3F, TICC

Moderators: **Sabine Ernst** (United Kingdom), **Alex McLellan** (Australia), **Itsuro Morishima** (Japan)

FRI-BH-4-1 **Opening Remarks**

Jonathan Kalman (Australia)

- FRI-BH-4-2 **How to Personalize CRT Therapy to Make the Most of it**
Christophe Leclercq (France)
- FRI-BH-4-3 **Gene Based Therapy for Cardiac Arrhythmias**
Eddy Kizana (Australia)
- FRI-BH-4-4 **Virtual Set for AF Ablation: Personalized Model**
Young-Hoon Kim (South Korea)
- FRI-BH-4-5 **mHealth and AF: The Next Frontier**
Anand Ganesan (Australia)
- FRI-BH-4-6 **Ablation Under MRI Guidance: When Will the Dream Come True**
Gerhard Hindricks (Germany)
- FRI-BH-4-7 **Closing Remarks**
Sabine Ernst (United Kingdom)

Allied Professionals o8: Hands-on Session: Different 3D Mapping System Training Course

Date: Oct-19 | Time: 15:30-17:10

Room: Conference 1, 2F, TWTC

- Moderators: **Masahiko Goya** (Japan), **Chih-Ping Hsia** (Taiwan)
- FRI-C1-4-1 **Benefits and Weaknesses of Cryoballoon Ablation Shown by 3D Mapping**
Hitoshi Hachiya (Japan)
- FRI-C1-4-2 **Special Considerations in Different Mapping System**
Kikuya Uno (Japan)
- FRI-C1-4-3 **Basic Mapping Technique in J&J System**
Buncha Sunsaneewitayakul (Thailand)

YIA o2: Clinical Science, Part I

Date: Oct-19 | Time: 15:30-17:10

Room: Conference 2, 2F, TWTC

- Judges: **Koichiro Kumagai** (Japan) (Moderator), **Yong Seog Oh** (South Korea) (Moderator), **Yung-Kuo Lin** (Taiwan) (Moderator), **Ngai Yin Chan** (Hong Kong), **Zulkeflee Muhammad** (Malaysia)
- YIA-02-01 **Correlation of Myocardial Velocity Measured by Tissue Doppler Imaging in the Left Ventricular Lead-Implanted Segment with the Response to Cardiac Resynchronization Therapy**
Qi Wang, Ji Yan, The First Affiliated Hospital of University of Science and Technology (China)
- YIA-02-02 **Vector Propagation Automatically Identifies Sites of Termination of Persistent Atrial Fibrillation**
George Leef, Mark Swerdlow, Mahmood Alhousseini, Albert Rogers, Tina Baykaner, Paul Wang, Sanjiv Narayan, Stanford University School of Medicine (United States), Wouter-Jan Rappel, University of California San Diego Medical Center (United States)
- YIA-02-03 **Comparison of Clinical and Electrophysiological Characteristics of Patients Having Outflow Tract VPC/VT with and without History of Syncope**
Suchit Majumdar, Apollo Gleneagles Hospital Kolkata (India), Narayanan Namboodiri, Sree Chitra Thirunal Institute of Medical Sciences and Technology (India), Anees Thajudeen, Meitra Hospital (India)
- YIA-02-04 **Retrograde Trans-Aortic Approach with Remote Magnetic Navigation for Catheter Ablation in Complex Congenital Patients**
Ilaria Cazzoli, Silvia Guarguagli, Sabine Ernst, Royal Brompton Hospital (United Kingdom)
- YIA-02-05 **Anatomical Predictors for Successful Pulmonary Vein Isolation using Second-Generation Cryoballoon in Paroxysmal Atrial Fibrillation. One Balloon Fits All?: Association Between Morphology of the Pulmonary Vein Ostium and Conduction Recovery after Second-Generation Cryoballoon Ablation**
Kikou Akiyoshi, Yoshihide Takahashi, Tasuku Yamamoto, Masahiro Sekigawa, Atsuhiko Yagishita, Shingo Maeda, Mihoko Kawabata, Masahiko Goya, Kenzo Hirao, Tokyo Medical and Dental University (Japan), Kazuya Murata, Junichi Nitta, Saitama Red Cross Hospital (Japan)
- YIA-02-06 **Wearable Cardioverter Defibrillator: Initial 4-Year Experience with 32 Cases**

Ai Horiguchi, Jun Kishihara, Hidehira Fukaya, Shinichi Niwano, Yuki Arakawa, Shuhei Kobayashi, Yuki Shirakawa, Ryo Nishinarita, Hironori Nakamura, Naruya Ishizue, Gen Igarashi, Jun Oikawa, Akira Satoh, Junya Ako, Kitasato University School of Medicine (Japan)

YIA 03: Clinical Science, Part II

Date: Oct-19 | Time: 15:30-17:10

Room: Conference 3, 2F, TWTC

Judges:	Youichi Kobayashi (Japan) (Moderator), Rungroj Krittayaphong (Thailand) (Moderator), Jin-Long Huang (Taiwan) (Moderator), Eue-Keun Choi (South Korea), David Whalley (Australia)
YIA-03-02	The Mechanism of A7Nacrh Mediated Cholinergic Anti-Inflammatory Pathway in the Vagal Nerve Regulated Atrial Fibrillation Shujuan Zhang , Congxin Huang, Qingyan Zhao, Renmin Hospital of Wuhan University (China)
YIA-03-03	Comparison Between Linear and Focal Ablation of Complex Fractionated Atrial Electrograms in Patients with Non-Paroxysmal Atrial Fibrillation: A Prospective Randomized Trial Kwang-No Lee , Jong-Il Choi, Van Dang Nguyen, Yorn Uy, Do Young Kim, Ki Yung Boo, Hee-Soon Park, Yun Gi Kim, Suk-Kyu Oh, Jaemin Shim, Shee Juhn Jung, Sam Soo Kim, Young-Hoon Kim, Korea University Medical Center Anam Hospital (South Korea), Seung-Young Roh, Dongguk University Medical Center (South Korea), Dae In Lee, Chungbuk National University Hospital (South Korea)
YIA-03-04	Temporal Stability of Electrogram Entropy in Sustained Atrial Fibrillation: Implications for Mapping Dhani Dharmapranj , Shivshankar Thanigaimani, Kenneth Pope, Flinders University (Australia), Andrew McGavigan, Lukah Dykes, Anand Ganesan, Flinders Medical Centre (Australia), Darius Chapman, Prashanthan Sanders, University of Adelaide (Australia), Rayed Kutieleh, Abbott (Australia), Jonathan Kalman, Royal Melbourne Hospital (Australia), Pawel Kuklik, University Medical Centre (Australia)
YIA-03-05	The Day-To-Day Variation of J-Wave as a Predictor for Life-Threatening Arrhythmias in Patient with Implantable Cardioverter Defibrillator Naruya Ishizue , Shinichi Niwano, Hidehira Fukaya, Gen Matsuura, Yuki Shirakawa, Yuki Arakawa, Shuhei Kobayashi, Ryo Nishinarita, Ai Horiguchi, Jun Oikawa, Jun Kishihara, Gen Igarashi, Junya Ako, Kitasato University (Japan)
YIA-03-06	"Idiopathic Ventricular Arrhythmias" - Are the Ventricles Truly Normal? Electrophysiologic and Imaging Evidence for a Subclinical Myopathic Substrate Adam Lee , Wendy Strugnell, Christian Hamilton-Craig, Haris Haqqani, The Prince Charles Hospital (Australia)
YIA-03-01	Characteristics of Recurrent Ventricular Tachyarrhythmia in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy Chin-Yu Lin , Fa-Po Chung, Ling Kuo, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Ting-Yung Chang, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

LAA 04: Complications of LAA Closure: My Painful Experience!

Date: Oct-19 | Time: 15:30-17:10

Room: Conference 5, 2F, TWTC

Moderators:	Tina Lin (Australia), Vincent Paul (Australia), Kazutaka Aonuma (Japan), Mohan Nair (India)
FRI-C5-4-1	Role of TEE and ICE during LAA Closure Procedures Dhanunjaya Lakkireddy (United States)
FRI-C5-4-2	Incidence of Thrombus Formation on the LAA Occluder Werner Jung (Germany)
FRI-C5-4-3	Case Sharing Yu Liu (China)
FRI-C5-4-4	Case Sharing

SCD 04: Global Epidemiology of SCD

Date: Oct-19 | Time: 15:30-17:10

Room: Joy Lounge, 4F, TICC

Moderators: **Russell Denman** (Australia), **B. Hygriv Rao** (India), **Hsiang-Chiang Hsiao** (Taiwan)

FRI-JL-4-1 **How Could Subcutaneous-ICD Change the Practice of SCD Prevention?**

Kwok Keung Chan (Hong Kong)

FRI-JL-4-2 **Novel Predictors of SCD in the Community**

Sumeet S. Chugh (United States)

FRI-JL-4-3 **Declining Risk of Sudden Death in HF over 3 Decades of Clinical Trials**

Faiez Zannad (France)

FRI-JL-4-4 **The Etiology of SCD in Patients with End-Stage Renal Disease**

Michael Wong (Australia)

Learning from the Experts and Legends 05

Date: Oct-19 | Time: 15:30-17:10

Room: Plenary Hall, 3F, TICC

Moderators: **Yoshinori Kobayashi** (Japan), **Tachapong Ngarmukos** (Thailand), **Mien-Cheng Chen** (Taiwan)

FRI-PH-4-1 **AF Induces Fibrofatty Infiltration in the Human Atria: Role of Inflammation**

José Jalife (United States)

FRI-PH-4-2 **Obstructive Sleep Apnea and AF**

Jonathan Kalman (Australia)

FRI-PH-4-3 **CaMKII and AF in Diabetes**

Mark E. Anderson (United States)

Poster Presentation – Clinical Researches in Atrial Arrhythmias

Date: Oct-19 | Time: 09:00-12:30

Venue: 1F, TWTC

FRI-PP03-001 **Impact of Non Dipping Status on the Ventricular Electrical and Mechanical Dysfunction in Prehypertensive Patients**

Sung Il Im, Kosin University Gospel Hospital (South Korea)

FRI-PP03-002 **Impact of Helicobacter Pylori Recurrence on Long Term Clinical Outcomes in Patients with Atrial Fibrillation**

Han Su Park, Kosin University Gospel Hospital (South Korea)

FRI-PP03-003 **Population Screening for Atrial Fibrillation: Should It Be Customized?**

Vikas Kataria, Gautam Singal, Amitabh Yaduvanshi, Mohan Nair, Holy Family Hospital (India)

FRI-PP03-004 **Diagnosis of Atrial Fibrillation Associated with Cardioembolic Stroke Using Transthoracic Echocardiography, Holter Electrocardiogram, and Transesophageal Echocardiography**

Minoru Tagawa, Shigekazu Takeuchi, Yuichi Nakamura, Makihiko Saeki, Yoshinori Taniguchi, Tsukasa Ohno, Hiroyuki Watanabe, Yukie Ochiai, Nagaoka Chuo General Hospital (Japan), Masaomi Chinushi, Niigata University School of Medicine (Japan), Yoshifusa Aizawa, Tachikawa Medical Center (Japan)

FRI-PP03-005 **Prevalence and Predictors of Electrocardiographic Abnormalities Among Athletes in Brunei**

Nazar Luqman, RIPASH Cardiac Center & GJPMC Hospital (Brunei Darussalam), Nurul Atiqah Abu Bakar, Hanif Abdul Rahman, University Brunei Darussalam (Brunei Darussalam), Essam Shaaban, Ministry of Culture Youth & Sport (Brunei Darussalam)

FRI-PP03-006 **Association of Leucocyte Telomere Length Shortening with Atrial Fibrillation Risk Factors: A Meta-Analysis**

Thomas Agbaedeng, Mehrdad Emami, Dian Munawar, Adrian Elliott, Dominik Linz, Rajiv Mahajan, Dennis Lau, Prashanthan Sanders, University of Adelaide (Australia)

FRI-PP03-007 **Galectin-3 as an Independent Risk Marker of Atrial Fibrillation: A Systematic Review and Meta-Analysis**

Thomas Agbaedeng, Dian Munawar, Mehrdad Emami, Kashif Khokhar, Dominik Linz, Rajiv Mahajan, Dennis Lau, Prashanthan Sanders, University of Adelaide (Australia)

FRI-PP03-008 **Meteorological Factors and Air Pollutants Contributing to Seasonal Variation for Acute Exacerbation of Atrial Fibrillation: A Population-Based Study**

Jinhee Ahn, Pusan National University Hospital (South Korea)

FRI-PP03-009 **Prevalence of Risk Factors in Patients with First Episode of Atrial Fibrillation in Indian Subcontinent: Single Centre Experience**

Rahul Singhal, Heart and General Hospital (India)

FRI-PP03-010 **Prognostic Impact of Atrial Fibrillation in Hypertrophic Cardiomyopathy: A Systematic Review and Meta-Analysis**

Patricia Alphonse, Sohaib Virk, Jhonna Collins, Saurabh Kumar, Westmead Cardiology (Australia)

FRI-PP03-011 **Simple Score to Predict Chronotropic Incompetence Using 24 Hours ECG Recording (Holter Monitor) and Bedside Examination of Autonomic Neuropathy**

Fitranti Laitupa, Brawijaya University (Indonesia)

FRI-PP03-012 **Trends of Mitral Stenosis Incidence and Treatment in Korean Patients over 10 Years**

Ju-Youn Kim, Uijeongbu St. Mary's Hospital (South Korea), Sung-Hwan Kim, Jun Pyo Myong, Young Choi, Yong-Seog Oh, Seoul St. Mary's Hospital (South Korea) Youmi Hwang, Ji-Hoon Kim, St. Vincent's Hospital (South Korea), Yoo Ri Kim, Incheon St. Mary's Hospital (South Korea), Tae-Seok Kim, Daejeon St. Mary's Hospital (South Korea), Sung-Won Jang, Tai-Ho Rho, St. Paul's Hospital (South Korea), Man Young Lee, Yeouido St. Mary's Hospital (South Korea)

FRI-PP03-013 **Clinical Study of Brugada Patients at Yangon General Hospital, Myanmar**

Sein Khine, Nwe Nwe, Thet Lel Swe Aye, Swe Yi Tint, University of Medicine (Myanmar), University of Medicine (Myanmar)

FRI-PP03-014 **Prevalence and Prognosis of Ventricular Tachycardia/Ventricular Fibrillation in Patients with Post-Infarction Left Ventricular Aneurysm: Analysis of 575 Cases**

Xiaohui Ning, Xuerui Ye, Yanhua Si, Zihe Yang, Min Tang, Keping Chen, Shu Zhang, Fuwai Hospital (China), Xiaoli Zhang, Anzhen Hospital (China)

FRI-PP03-015 **Prevalence Rates for Atrial Fibrillation Detected by Single-Lead ECG among Senior Citizens at Northern Regions of West Malaysia**

Ang Jian Gang, Hazleena Mohamed Hasnan, Saravanan Krishinan, Abd Syukur Abdullah, Kantha Rao Narasamuloo, Dharmaraj Karthikesan, Ahmad Suhaimi Mustafa, Sathvinder Singh Gian Singh, Ahmad Shukri Saad, Ahmad Faiz Mohd Ezanee, Cheng Yi Zhi, Gerard Jason Mathews, Tan Shu Feng, Tan Ru Hoi, Noratiqah Izzah Sharidan, Ummu 'Atiqah Noorazmi, Ema Nazlin Mohd Nain, Hidayatil Alimi Keya Nordin, Izzatul Nadzirah Ismail, Leong Chew Wei, Nurul Najwa Ismail, Fazreen Nur Abdullah, Joel Mathews, Hospital Sultanah Bahiyah (Malaysia), Lim Jia Ni, Hospital Pulau Pinang (Malaysia)

FRI-PP03-016 **Increased Risk of Atrial Fibrillation in Ankylosing Spondylitis: A Nationwide Population-Based Study**

Inki Moon, Eue-Keun Choi, You-Jung Choi, Jiesuck Park, Jun Hwan Cho, Euijae Lee, Wonsek Choe, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea), Jin-Hyung Jung, Kyung-Do Han, The Catholic University of Korea (South Korea), So-Ryoung Lee, Soon Chun Hyang University Hospital Seoul (South Korea), Woo-Hyun Lim, Seoul National University Boramae Medical Center (South Korea)

FRI-PP03-017 **Association of Beta Angle with Arrhythmic Events in Brugada Syndrome with ECG Type 2 and 3**

Christina Chandra, Sunu B Raharjo, Iwan Dakota, Dicky A Hanafy, Dony Yugo, Yoga Yuniadi, National Cardiovascular Centre Harapan Kita (Indonesia)

FRI-PP03-018 **Etiology of AV Block in Young Adults in a Tertiary Hospital in India**

Amol Chavhan, Zohaib shaikh, Umesh Hange, Yash Lokhandwala, Ajay Mahajan, Pratap Nathani, LTMGH Sion Hospital (India)

FRI-PP03-019 **Comparison of Risk Profile for New-Onset Atrial Fibrillation Between Young and Elderly**

Pil-Sung Yang, CHA University (South Korea), Eunsun Jang, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Joung-Youn Kim, Yonsei University (South Korea)

FRI-PP03-020 **Clinical Characteristics and Outcomes in Elderly Japanese Patients with Nonvalvular Atrial Fibrillation: The Hokuriku-Plus AF Registry**

Toyonobu Tsuda, Kenshi Hayashi, Yoshihiro Tanaka, Akihiro Nomura, Kenji Sakata, Masa-aki Kawashiri, Masakazu Yamagishi, Kanazawa University Hospital (Japan)

FRI-PP03-023 **Study of the Prevalence of Brugada-Type Electrocardiogram Pattern Through the Placement of Right Precordial Leads at Higher Intercostal Spaces**

Palita Thaitthae, Warangkna Boonyapisit, Faculty of Medicine Siriraj Hospital (Thailand)

FRI-PP03-024 **QRS Amplitude Correlates with Ethnicity and Body Size in Heart Failure Population**

Maki Ono, Kameda Medical Center / Cleveland Clinic (Japan), Kimi Sato, Tsukuba University Hospital (Japan), Niraj Varma, Cleveland Clinic (United States)

FRI-PP03-025 **Clinical Implication of Thyroid Function Test in Patients with Suspected or Documented Supraventricular Tachyarrhythmia**

Hye Bin Gwag, Youngjun Park, Young Keun On, June Soo Kim, Seung-Jung Park, Samsung Medical Center (South Korea)

FRI-PP03-026 **Difference in Atrioventricular Node Effect of Vagal Reflex in Standard and Modified Valsava**

Muhamad Syarif, Sunu Budhi Raharjo, Dicky Hanafy, Basuni Radi, Dony Yugo Hermanto, Yoga Yuniadi, University of Indonesia (Indonesia)

FRI-PP03-027 **Can the Ventricular Differential Pacing Replace the Para-Hisian Pacing?**

Laeyoung Jung, Chonbuk National University Hospital (South Korea)

FRI-PP03-028 **Gender Differences in Subjects Undergoing Catheter Ablation: Data from the True HD Study**

Kenichi Hiroshima, Shota Tohoku, Kenji Ando, Kokura Memorial Hospital (Japan), Stanislav Weiner, Trinity Mother Frances Health System (United States), Tom McElderry, William Maddox, University of Alabama (United States), Pierre Jaïs, Université de Bordeaux (France), Tom Wong, Royal Brompton and Harefield Foundation Trust and Imperial College (United Kingdom), Jose Ignacio Garcia-Bolao, Clinica Universitaria de Navarra (Spain), Sang Yong Ji, Torrance Memorial Medical Center (United States), Frederic Sacher, CHU/ Université de Bordeaux (France), Stephan Willems, Universitaetsklinik Eppendorf (Germany), John Mounsey, University of North Carolina Hospital (United States), Giovanni Raciti, Boston Scientific Corp. (Italy), Gerhard Hindricks, Herzzentrum Universität Leipzig (Germany)

FRI-PP03-029 **Comparison Between Catheter Ablation for Atrial Tachycardia Using Rhythmia and Carto3 with Confidense Module**

Shota Tohoku, Kenichi Hiroshima, Masato Fukunaga, Michio Nagashima, Junji Morita, Kei Yamamoto, Takahiro Iseda, Kenji Ando, Kokura Memorial Hospital (Japan)

FRI-PP03-030 **Effectiveness and Safety of Non-Vitamin K Antagonist Oral Anticoagulants in Atrial Fibrillation Patients with Hypertrophic Cardiomyopathy: A Nationwide Cohort Study**

Pil-Sung Yang, Jung-Hoon Sung, CHA University (South Korea), Hyunjeon Jung, Eunsun Jang, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Gregory Lip, Yonsei University College of Medicine (South Korea)

FRI-PP03-031 **Stroke Risk Stratification for Atrial Fibrillation Patients with Hypertrophic Cardiomyopathy: A Nationwide Cohort Study**

Pil-Sung Yang, Jung-Hoon Sung, CHA University (South Korea), Hyunjeon Jung, Eunsun Jang, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Gregory Lip, Yonsei University College of Medicine, (South Korea)

FRI-PP03-032 **Clinical Characteristics of Lone Atrial Flutter in Childhood**

Takao Kazuta, Yoko Yoshida, Yuko Kato, Tsugutoshi Suzuki, Osaka City General Hospital (Japan), Yoshihide Nakamura, Kindai University Hospital (Japan)

FRI-PP03-033 **HbA_{1c} Level as a Predictor of Future Risk on New Onset Atrial Fibrillation: A National Cohort Study**

Yun-Yu Chen, Yenn-Jiang Lin, Tze-Fan Chao, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Kuo-Liong Chien, National Taiwan University (Taiwan)

FRI-PP03-034 Characteristics of Brugada Pattern Type ECGs in the Standard and Superior Locations That Predict a Positive Flecainide Challenge Test

Yue Wang, Boon Yew Tan, Chi Keong Ching, Kah Leng Ho, Daniel Thuan Tee Chong, Eric Tien Siang Lim, Kelvin Chi Ming Chua, Paul Chun Yih Lim, Wee Siong Teo, National Heart Centre (Singapore), Yifei Yan, Amazon (United States)

FRI-PP03-035 The Novel Findings of Histopathology in Forensic Biopsy-Proven Arrhythmogenic Right Ventricular Cardiomyopathy Deaths

Chih-Hsin Pan, Kai-Ping Shaw, Institute of Forensic Medicine (Taiwan), Yenn-Jiang Lin, Fa-Po Chung, Yun-Yu Chen, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP03-036 Increased Risk of Atrial Fibrillation in Patients with Behçet's Disease: A Nationwide Population-Based Study

Euijae Lee, Eue-Keun Choi, In-Ki Moon, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea), Kyung-Do Han, The Catholic University of Korea (South Korea), So-Ryoung Lee, Soon Chun Hyang University Hospital Seoul (South Korea), Woo-Hyun Lim, Seoul National University Boramae Medical Center (South Korea)

FRI-PP03-037 Age Threshold for the Use of Non-Vitamin K Antagonist Oral Anticoagulants for Stroke Prevention in Patients with Atrial Fibrillation

Tze-Fan Chao, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP03-038 The Results of Screen of Atrial Fibrillation Event in Taiwan: The Safe-Taiwan Study

Tze-Fan Chao, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP03-039 Relationship of Air Pollution and Sudden Cardiac Death in Korea: A Nationwide Epidemiologic Study

Suk-kyu Oh, Jong-Il Choi, Ki Yung Boo, Do Young Kim, Yun Gi Kim, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea)

FRI-PP03-040 Clinical Features of Long QT Syndrome in the Korean Population

Suk-kyu Oh, Jong-Il Choi, Young Ran Jeon, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea)

FRI-PP03-041 Different Obesity Paradox of Ischemic Stroke without and with Atrial Fibrillation

Yong-Soo Baek, Dae-Hyeok Kim, Inha University Hospital (South Korea), Pil-Sung Yang, Tae-Hoon Kim, Jae-Sun Uhm, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Yonsei University College of Medicine (South Korea)

FRI-PP03-042 Relationship between Self-Reported and Cotinine-Verified Smoking Status and Atrial Arrhythmia

Sung Ho Lee, Byung Jin Kim, Dae Chul Seo, Bum Soo Kim, Kangbuk Samsung Hospital (South Korea)

FRI-PP03-043 Clinical and Genetic Features between Brugada Syndrome and Idiopathic Ventricular Fibrillation in the Korean Population

Suk-kyu Oh, Jong-Il Choi, Young Ran Jeon, Ki Yung Boo, Do Young Kim, Yun Gi Kim, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea)

FRI-PP03-044 Characteristics and Short-term Outcome of Patients with Ventricular Fibrillation without Acute Ischemic Cause: Data from Tokyo CCU Network Registry in 2015

Akira Ueno, Yoshinori Kobayashi, Ken Kato, Takeshi Sasaki, Seiji Fukamizu, Norikazu Watanabe, Kaoru Tanno, Takeshi Yamamoto, Ken Nagao, Morimasa Takayama, Tokyo CCU Network Scientific Committee (Japan)

FRI-PP03-045 Prevalence and Risk Factors of Acquired LQTS in Inpatients with Chronic Kidney Disease

Guoliang Li, Peng Liu, Dan Han, Xuanzi Sun, Hui Tan, Zhigang Wang, Chao Liu, Bailin Li, Chaofeng Sun, The First Affiliated Hospital, Xi'an Jiaotong University (China)

FRI-PP03-046 Comparative Effects of Statin and Renin-Angiotensin System Inhibitor on New-Onset Atrial Fibrillation According to Risk Stratification of CHA₂DS₂-VASC Score

Yong-Soo Baek, Dae-Hyeok Kim, Inha University Hospital (South Korea), Jong-Il Choi, Min-Sun Kim, Yun Gi Kim, Suk-kyu Oh, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University College of Medicine and Korea University Medical Center (South Korea)

FRI-PP03-047 Label Adherence of Non-Vitamin K Antagonist Oral Anticoagulants and Clinical Outcomes in Patients with Atrial Fibrillation: A Nationwide Cohort Study

Hee Tae Yu, Tae-Hoon Kim, Eunsun Jang, Jae-Sun Uhm, Jong-Youn Kim, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Yonsei University College of Medicine (South Korea), Pil-Sung Yang, CHA Bundang Medical Center (South Korea), Gregory Y.H. Lip, University of Birmingham (United Kingdom)

FRI-PP03-048 24-Hour Ambulatory Heart Rate Monitoring for Predicting Chronotropic Incompetence

Vidyawati, Budhi Asih General Hospital (Indonesia), Fitranti Laitupa, Fahmi Rusnanta, Ardian Rizal, Faculty of Medicine University of Brawijaya (Indonesia)

FRI-PP03-050 Clinical Features of Family Members of Inherited Arrhythmias in Korean Population

Suk-kyu Oh, Jaemin Shim, Jong-Il Choi, Young Ran Jeon, Young-Hoon Kim, Korea University Medical Center (South Korea), Yae Min Park, Gachon University Gil Medical Center (South Korea), Jun-Hyung Kim, Chungnam National University Hospital (South Korea), Yong-Seog Oh, The Catholic University of Korea (South Korea), Hyoung-Seob Park, Keimyung University Dongsan Medical Center (South Korea), Gyo-Seung Hwang, Ajou University Hospital and School of Medicine (South Korea), Nam-Ho Kim, Wonkwang University Hospital (South Korea), Hyung Wook Park, Chonnam National University Hospital (South Korea), Dae-Kyeong Kim, University of Inje College of Medicine (South Korea), Yong Keun Cho, Kyungpook National University Hospital (South Korea), Hui-Nam Pak, Yonsei University College of Medicine (South Korea), Young Keun On, Samsung Medical Center (South Korea), Youngjin Cho, Seoul National University Bundang Hospital (South Korea), Seil Oh, Seoul National University Hospital (South Korea)

FRI-PP03-051 Clinical Characteristics of Brugada Syndrome According to Clinical Manifestation of Ventricular Arrhythmia in the Korean Population

Suk-kyu Oh, Jong-Il Choi, Young Ran Jeon, Ki Yung Boo, Do Young Kim, Yun Gi Kim, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea)

FRI-PP03-052 Comparison of Clinical and Conduction Parameters of Atypical AVNRT and Typical AVNRT

Kushaal Vikram, Yash Lokhandwala, Holy Family Hospital (India), Gopi Panicker, Quntiles ECG Services (India)

FRI-PP03-053 New Persistent Left Bundle Branch Block Following Transcatheter Aortic Valve Replacement Increases the Risk of New-Onset Cardiomyopathy

Teetouch Ananwattanasuk, Vajira Hospital, Navamindradhiraj University (Thailand), Michael Ghannam, Sangeeta Lathkar-Pradhan, Rakesh Latchamsetty, Sina Jame, Krit Jongnarangsin, University of Michigan (United States)

FRI-PP03-054 Early Repolarization in Patients with Pectus Excavatum

Do Young Kim, Jong-Il Choi, Ki Young Boo, Van Dang Nguyen, Yorn Uy, Yun Gi Kim, Suk-Kyu Oh, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University Anam Hospital (South Korea)

FRI-PP03-055 Particulate Matter Air Pollution and Mortality in Healthy Subjects from the General Population a Nationwide Cohort Study

In-Soo Kim, Jinae Lee, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Yonsei University College of Medicine (South Korea), Pil-Sung Yang, CHA University (South Korea)

FRI-PP03-056 Risk of Dementia in Stroke-Free Patients Diagnosed with Atrial Fibrillation: Data from a Community-Based Cohort

Dongmin Kim, Dankook University (South Korea), Pil-Sung Yang, CHA University (South Korea), Tae-Hoon Kim, Hee Tae Yu, Jae-Sun Uhm, Jong Youn Kim, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Severance Cardiovascular Hospital, Yonsei University College of Medicine (South Korea)

FRI-PP03-057 Association of Hemoglobin Concentrations and Its Dynamic Changes with the Atrial Fibrillation Development: A Nationwide Population-Based Study

WooHyun Lim, Boramae Medical Center (South Korea), Eue-Keun Choi, Seil Oh, Seoul National University Hospital (South Korea), Kyung-Do Han, The Catholic University of Korea (South Korea)

FRI-PP03-058 Clinical Significance of Low Voltage QRS Only in the Limb Leads of the Surface Electrocardiogram

Hye Bin Gwag, Hyeon Jun Kim, Youngjun Park, Seong Soo Lee, June Soo Kim, Young Keun On, Seung-Jung Park, Kyoung-Min Park, Samsung Medical Center (South Korea)

FRI-PP03-059 Clinical Profile of Patients Presenting with Sudden Cardiac Arrest to a Tertiary Hospital in South India

Bharatraj Banavalikar, Jayaprakash Shenthath, Shravan Rampell, Deepak Padmanabhan, Sri Jayadeva Institute of Cardiovascular Sciences and Research (India)

FRI-PP03-060 Predicting Thromboembolic Events in Atrial Fibrillation Patients

Rizki Menaldi, Ronally Rasmin, M Bachtar Rahmat Jati, Rizky Aulia Fanani, RSUD Budhi Asih (Indonesia)

FRI-PP03-061 Relationship between Metabolic Abnormalities and Atrial Fibrillation: A Cross-Sectional Study of Guangzhou, China

Wei-dong Lin, Hai Deng, Yu-mei Xue, Xian-zhang Zhan, Hong-tao Liao, Xian-hong Fang, Shu-lin Wu, Guangdong Provincial Cardiovascular Institute (China)

FRI-PP03-064 Validation of Risk Stratification Scores for Predicting Ischemic Stroke and Systemic Embolism in Japanese Patients with Paroxysmal Non-Valvular Atrial Fibrillation without Receiving Anticoagulation Therapy

Kentaro Tanaka, Takashi Komatsu, Fusanori Kunugita, Mahito Ozawa, Reisuke Yoshizawa, Shingen Owada, Yoshihiro Morino, Motoyuki Nakamura, Iwate Medical University (Japan)

FRI-PP03-065 Analysis of Diagnosis and Anticoagulation Therapy in the Non-Valvular Atrial Fibrillation with Atrial Thrombi

Jun Liu, Hao Zhang, Xiaofeng Li, Pihua Fang, Fuwai Hospital (China)

FRI-PP03-066 Simple Bedside Cardiovascular Autonomic Examinations for Predicting Chronotropic Incompetence: Derivation and Validation Method

Fahmy Rusnanta, Fitranti Suci Laitupa, Ardian Rizal, Faculty of Medicine Brawijaya University (Indonesia), FVidyawati MD, Private Hospital (Indonesia)

FRI-PP03-069 Hand-Held Paddles More Effective than Adhesive Patches for Cardioversion of Atrial Fibrillation in Obese Patients: Results from the DCR-BMI Multicenter Randomized Controlled Trial

Alex Voskoboinik, Sandeep Prabhu, Hariharan Sugumar, Alex McLellan, Alfred & Royal Melbourne Hospitals (Australia), George Plunkett, Geoff Wong, Chrisnan Nalliah, Jonathan Kalman, Royal Melbourne Hospital (Australia), Michael Wong, Western Health (Australia), Liang-Han Ling, Peter Kistler, Alfred Hospital (Australia)

FRI-PP03-070 Non-Pulmonary Vein Triggers of Atrial Fibrillation are Likely to Arise from Low-Voltage Areas in the Left Atrium: Different Pathogenesis between the Left and Right Atria

Shunsuke Kawai, Yasushi Mukai, Daisuke Yakabe, Kazuhiro Nagaoka, Hiroyuki Tsutsui, Kyushu University Graduate School of Medical Sciences (Japan), Akiko Chishaki, Kyushu University Hospital (Japan)

FRI-PP03-071 Post-TD Vaccination Myocarditis Presented with Long QT Syndrome: Serial Cases

Edwin Chandra, Tania Sabrawi, Cut Arsyi, Mohammad Iqbal, Miftah Pramudyo, Padjadjaran University (Indonesia), Sony Hilal Wicaksono, University of Indonesia (Indonesia)

FRI-PP03-072 Incidence of Asymptomatic Stroke or Hemopericardium in Catheter Ablation for Atrial Fibrillation Compared with Uninterrupted Use of Edoxaban, Rivaroxaban, or Warfarin

Issei Yoshimoto, Naoya Oketani, Yasuhisa Iriki, Hitoshi Ichiki, Hideki Okui, Ryuichi Maenosono, Fuminori Namino, Masaaki Miyata, Mitsuru Ohishi, Kagoshima University (Japan)

FRI-PP03-073 Cardiodynamicsgram is Superior to Electrocardiography for Detecting Myocardial Ischemia in Diabetic Patients

Bin Zhou, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences & Peking Union Medical College (China), Muqing Deng, Cong Wang, South China University of Technology (China), Sixian Weng, Min Tang, Shu Zhang, Fuwai Hospital (China), Ling Xia, Zhejiang University (China)

FRI-PP03-074 The Benefit of Cardiac Implantable Electronic Device Checks by a Remote Interrogation System in the Emergency Department

Rebecca Young, Scott Beau, Monica Lo, Loretta DePalo, Wilson Wong, Arkansas Heart Hospital (United States)

FRI-PP03-076 The Efficacy and Safety of Rivaroxaban in Japanese Extreme Elderly Patients with Nonvalvular Atrial Fibrillation

Makoto Suzuki, Mari Omori, Yuya Taomoto, Toshio Kaneda, Tosuke Yamakami, Munehiro Iiya, Hiroshi Shimada, Tomoko Manno, Ami Isshiki, Masato Shimizu, Hiroyuki Fujii, Yokohama Minamikyosai Hospital (Japan), Mitsuhiro Nishizaki, Kanto Gakuin University (Japan), Kenzo Hirao, Tokyo Medical and Dental University (Japan)

FRI-PP03-077 Comparison of Subcutaneous Cardioverter-Defibrillator Pre-Implant Screening Results with Vectors Selected by Automatic Setup

Makiko Okazaki, Kanki Inoue, Harumi Yamada, Kei Mabuchi, Tsuneo Hayashi, Kouichi Sato, Kouhei Tanizaki, Mitsuaki Isobe, Sakakibara Heart Institute (Japan)

FRI-PP03-078 Successful Catheter Ablation of Triggered PVCs in Catecholaminergic Polymorphic Ventricular Tachycardia with RYR2 Mutation

Jun Kishihara, Hidehira Fukaya, Shinichi Niwano, Yuki Arakawa, Shuhei Kobayashi, Yuki Shirakawa, Ryo Nishinarita, Aki Horiguchi, Hironori Nakamura, Naruya Ishizue, Gen Igarashi, Jun Oikawa, Akira Satoh, Junya Ako, Kitasato University School of Medicine (Japan), Yukio Sekiguchi, Akihiko Nogami, University of Tsukuba (Japan)

FRI-PP03-079 Comparison of One-Year Follow-Up of P Wave-Triggered Signal-Averaged Electrocardiogram in Patients Who had Cardiac Implantable Electric Device without and with Atrial High Rate Event

Dae Young Kim, Ha Na Oh, Jin Hee Park, Gwang-Seok Yoon, Seong Huan Choi, Kyuyong Ko, Sung-Woo Kwon, Sung-Hee Shin, Sang-Don Park, Seong-Ill Woo, Jun Kwan, Yong Soo Baek, Dae-Hyoek Kim, In Ha University Hospital (South Korea)

FRI-PP03-080 Combination of CHA₂DS₂-VASC Score and Echocardiography Parameters in Predicting Postoperative Atrial Fibrillation after Coronary Artery Bypass Graft Surgery

Firman Tedjasukmana, Dicky Hanafy, Sunu Budhi Raharjo, Dony Y. Hermanto, Yoga Yuniadi, Daniel Tobing, National Cardiovascular Center Harapan Kita (Indonesia)

FRI-PP03-081 **Clinical Association of Epicardial Fat, Electrocardiogram P Wave Characteristics and Interatrial Block**
Shih-Jie Jhuo, Wei-Chuang Tasi, Kun-Tai Lee, Hsueh-Wei Yen, Wen-Ter Lai, Kaohsiung Medical University Hospital (Taiwan)

FRI-PP03-082 **First-In-Man Experience with a Novel Reusable Decapolar Electrophysiology Catheter**
Anna Wilson, Kellie Timmins, Rosemary Allen, Janice Swampillai, Spencer Heald, Martin Stiles, Waikato Hospital (New Zealand), Paula Jones, Sacha Ware, Midland Cardiovascular Services (New Zealand), Dean Boddington, Tauranga Hospital (New Zealand)

FRI-PP03-085 **The Effects of Atrial Fibrillation on Hemorrhagic Transformation after Intravenous Thrombolysis in Acute Ischemic Stroke**
Xiaoyan Yin, Guogang Luo, Li Kang, Yurong Zhang, The First Affiliated Hospital of Xi'an Jiaotong University (China)

FRI-PP03-086 **Evaluation of Cardiac Function in Patients with Leadless Micra Transcatheter Pacing Systems**
Marika Yamada, Tomoo Harada, Akira Kasagawa, Yui Nakayama, Makoto Takano, Hisao Matsuda, Hidekazu Miyazaki, Yoshihiro Akashi, St. Marianna University School of Medicine (Japan)

FRI-PP03-087 **Fracture of PTCA Balloon Catheter (Case Report)**
Rashid Iqbal, Shah Sawar, Hayatabad Medical Complex (Pakistan)

FRI-PP03-088 **Detection of Occult Paroxysmal Atrial Fibrillation in Post-Stroke Patients Using a Novel Prolonged Rhythm Monitoring Device (Spyder)**
Liy Si Tan, Cheok Keng Kelvin Wong, Colin Yeo, Vern Hsen Tan, Leng Leng Lee, Changi General Hospital (Singapore)

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Muhammad Rusydi, Yoga Yuniadi, Sunu Budi Rahardja, Dicky Hanafy, National Heart Centre Harapan Kita (Indonesia)

FRI-PP03-090 **Resistin is Associated with Vulnerability to Ventricular Arrhythmias in Patients with Atrial Fibrillation Undergoing Catheter Ablation**
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Wen-Han Cheng, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP03-094 Persistent Atrial Fibrillation and Diabetes are Independent Predictors of Tachycardia Induced Cardiomyopathy in Patients with Atrial Fibrillation

Naoya Hironobe, Yukiko Nakano, Sho Okamura, Yousaku Okubo, Michitaka Amioka, Chikaaki Motoda, Takehito Tokuyama, Yasuki Kihara, Hiroshima University Hospital (Japan)

FRI-PP03-095 Effects of Combined Rheumatic Mitral Valve Surgery and Left Atrial Surgical Intervention on Rhythm Conversion in Patients with Valvular Atrial Fibrillation

Wibisono Firmanda, Sunu Budhi Raharjo, Ario Soeryo Kuncoro, Dicky Hanafy, Dony Yugo Hermanto, Yoga Yuniadi, National Cardiovascular Center Harapan Kita (Indonesia)

FRI-PP03-096 An Electrocardiography with Concealed P Wave with First Degree Atrioventricular Block: Unmasked by Echocardiography

Lai Pi-Hsiang, Chin-Yu Lin, Taipei Veterans General Hospital (Taiwan)

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Yu-Sheng Lin, Mien-Cheng Chen, Chang Gang Memorial Hospital (Taiwan)

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Liy Si Tan, Cheok Keng Kelvin Wong, Colin Yeo, Vern Hsen Tan, Leng Leng Lee, Changi General Hospital (Singapore)

FRI-PP03-099 ECG Gated Plain Computed Tomography was Great Help for Safe and Effective Radio Frequency Pulmonary Vein Isolation of the Patient with Severe Chronic Kidney Disease

Mariko Kawasaki, Hanaoka Seishu Memorial Cardiovascular Clinic (Japan)

FRI-PP03-100 High Prevalent Non-Valvular Atrial Fibrillation in Aging Patients with Manifestations of Metabolic Syndrome is Inversely Correlated with Serum Creatinine

Hsiang-Chun Lee, Ming-Chuan Lee, Wun-Jyun Jhuang, Kaohsiung Medical University (Taiwan)

FRI-PP03-101 Longitudinal Non-Linear Heart Rate Variability Analysis of Inferior Wall ST Elevation Myocardial Infarction and Implications of Prognosis

Yen-Ting Lin, Taoyuan General Hospital (Taiwan)

FRI-PP03-102 Focal Atrial Tachycardia Ablation in a Patient with Heart Failure

Koyu Sakai, Taro Miyamoto, Yoshinori Sanuki, Kiyoshi Ozumi, Seiya Tanaka, Takashi Harada, Hiromi Tasaki, Kitakyushu Municipal Yahata Hospital (Japan)

FRI-PP03-103 The Relation of Creatinine Clearance and Serum Creatinine for the Patients with Atrial Fibrillation

Takashi Aoyagi, University Hospital Mizonokuchi (Japan), Noriyuki Hayami, Seiji Nishide, Yoshitaka Shiratori, Nobuaki Suzuki, Yuji Murakawa, Teikyo University School of Medicine, University Hospital Mizonokuchi (Japan)

FRI-PP03-104 Acute Pulmonary Edema due to Pacemaker Overpacing

Tung-Lin Tsui, Camillians Saint Mary's Hospital Luodong (Taiwan)

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- FRI-PP03-107 **Comparison of In-Hospital Outcomes of Acute Coronary Syndrome Patients with and without Atrial Fibrillation**
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- FRI-PP03-109 **A Case with a Verapamil-Sensitive Atypical RBBB + LAD Wide QRS Tachycardia having an Unexpected Mechanism**
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Angelica Dela Cruz, Michael Joseph Agbayani, University of the Philippines-Philippine General Hospital (Philippines)
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Chih-Min Liu, Chin-Yu Lin, Shih-Lin Chang, Yenn-Jiang Lin, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Cheng-I Wu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

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- FRI-PP03-122 **Polypharmacy and AF - An Opportunity for Improved Patient Outcomes?**
Celine Gallagher, Karin Nyfort-Hansen, Christopher X Wong, Adrian D Elliott, Rajiv Mahajan, Dennis H Lau, Prashanthan Sanders, Jeroen Hendriks, South Australian Health and Medical Research Institute, University of Adelaide and Royal Adelaide Hospital (Australia), Debra Rowett, University of South Australia (Australia)
- FRI-PP03-123 **Right Ventricular Pacing has Short and Long-Term Deleterious Effects on Ventricular Physiology**
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- FRI-PP03-124 **A Simple Double Snare Technique of Pacemaker Lead Extraction: A Small Series Experience**
Muhammad Munawar, Gunawan Yoga, Myint Thein, Dian Larasati Munawar, Binawaluya Cardiac Center (Indonesia)
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- FRI-PP03-126 **Addition Value of Left Atrial Enlargement and Non-Paroxysmal Atrial Fibrillation on Left Atrial Thrombus or Left Atrial Spontaneous Echo Contrast In Patients with Atrial Fibrillation with Low CHA₂DS₂-VASC Score**
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Chao-feng Chen, Hangzhou First People Hospital (China)
- FRI-PP03-128 **Chinese Patient with Fabry Disease Experienced an Episode of Cardiac Shock with Novel Missense Mutation: G43D**
Chen Xin, Liu Yang, Rao Fang, Wu Shulin, Xue Yumei, Deng Hai, Liao Hongtao, Zhang Qianhuan, Wang Feng, Guangdong Cardiovascular Institute (China)
- FRI-PP03-129 **A Case of Suspected Thrombus in Left Atrial Appendage on TEE Which was Proved Otherwise by CT Scan**

Masatoshi Kamata, Ayase Heart Hospital (Japan)

FRI-PP03-130 **Is it Left Sided Circuit in AVNRT?**

Ramdeo Yadave, Batra Hospital (India)

FRI-PP03-131 **The Use of Non-Fluoroscopic Navigation System in Addition to Fluoroscopy in Radiofrequency Ablation of Supra Ventricular Tachycardia**

Myo Han, Teo Wee Siong, Ho Kah Leng, Tan Boon Yew, Daniel Chong, Eric Lim, Kelvin Chua, Paul Lim, Ng Jit Beng, Ching Chi Keong, National Heart Centre Singapore (Singapore)

FRI-PP03-133 **Single Center Experience in Cardiac Electrophysiology and Radio Frequency Ablation for Tachyarrhythmias**

Khin Oo Lwin, Than Than Kyaing, Kyaw Soe Win, Myint Ngwe, Khin Maung Win, Hein Htet Aung, Mandalay General Hospital (Myanmar)

FRI-PP03-135 **12 Years Experience in Electrophysiological Study and Radiofrequency Ablation of Wolff-Parkinson-White Syndrome at Yangon General Hospital**

Nwe Nwe, Thet Lel Swe Aye, Swe Yi Tint, Sein Khine, Theingi Tun, Yangon General Hospital (Myanmar)

FRI-PP03-136 **Radiofrequency Catheter Ablation of Atrioventricular Nodal Reentry Tachycardia in Children and Adolescents: A Single Center Experience**

Myung Chul Hyun, Kyung Pook National University (South Korea)

FRI-PP03-137 **Outcome of Accessory Pathways Ablation in Difficult Location: A Single Centre Experience**

Pradeep Hasija, Prashant Bhardwaj, Armed Forces Medical College (India), Anup Banerji, AMC Centre & College (India)

FRI-PP03-138 **Atrial Appendectomy for the Atrial Tachycardias Originated from the Distal Portion of Atrial Appendage**

Haiyang Xie, Fuwai Hospital (China)

FRI-PP03-139 **Application of V-A-A-V Response Immediately after Ventricular Induction/Entrainment to Discriminate Atypical Atrioventricular Nodal Reentrant Tachycardia from Atrial Tachycardia**

Yoshiaki Kaneko, Tadashi Nakajima, Takashi Iizuka, Shuntaro Tamura, Masahiko Kurabayashi, Gunma University (Japan)

FRI-PP03-140 **Venous Thrombosis after Ablation for Atrial Fibrillation in Patients Who Received Direct Oral Anticoagulants**

Takehito Sasaki, Kohki Nakamura, Kentaro Minami, Yutaka Take, Yoshinao Sugai, Koji Kumagai, Shigeto Naito, Gunma Prefectural Cardiovascular Center (Japan)

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Masateru Takigawa, Nicolas Derval, Claire Martin, Konstantinos Vlachos, Arnaud Denis, Takeshi Kitamura, Ghassen Cheniti, Felix Bourier, Anna Lam, Ruairidh Martin, Antonio Frontera, Nathaniel Thompson, Grégoire Massoulié, Michael Wolf, Josselin Duchateau, Nicolas Klotz, Thomas Pambrun, Frederic Sacher, Hubert Cochet, Méléze Hocini, Michel Haïssaguerre, Pierre Jaïs, Hôpital Cardiologique Haut Lévêque, Lyric institute, Université de Bordeaux (France)

FRI-PP03-142 **A Rare Association: Wolff-Parkinson-White Syndrome and Rheumatic Mitral Stenosis**

Khin Oo Lwin, Thandar Thandar, Than Than Kyaing, Kyaw Soe Win, Myint Ngwe, Zaw One, Khin Maung Win, Mandalay General Hospital (Myanmar)

FRI-PP03-143 **Catheter Ablation of Arrhythmias Requiring Complex Electrophysiological Procedures: A Single Centre**

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Pradeep Hasija, Armed Forces Medical College (India), Prashant Bhardwaj, Armed Forces Medical College, (India), Anup Banerji, AMC Centre & College, (India)

FRI-PP03-144 **The Application of Novel Segmentation Software to Improve Better Left Atrial Geometry Resolution and Catheter Contact**

Chye Gen Chin, Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Ta-Chuan Tuan, Tze-Fan Chao, Chin-Yu Lin, Ting-Yung Chang, Jennifer Jeanne B. Vicera, Shih-Ann Chen, Chieh-mao Chuang, Cheng-I Wu, Chih-Min Liu, Taipei Veterans General Hospital (Taiwan)

FRI-PP03-145 **An Alternative Under-Valve Approach to Ablate Right-Sided Accessory Pathways**

Jun Yang, Nanjing Medical University Affiliated Wuxi Second Hospital (China), Gang Yang, Minglong Chen, The First Affiliated Hospital of Nanjing Medical University (China)

FRI-PP03-146 **Clinical Outcomes after Pulmonary Vein Isolation using an Automated Tagging Module in Patients with Paroxysmal Atrial Fibrillation**

Min Soo Cho, Jun Kim, Yu Na Kim, Ungjeong Do, Gi-Byoung Nam, Kee-Joon Choi, You-Ho Kim, Asan Medical Center (South Korea)

FRI-PP03-147 **Cryoablation as the Primary Energy Source and Radiofrequency as Rescue Energy Source for Atrioventricular Nodal Reentrant Tachycardia Ablation in Children Using Coronary Sinus Ostium as the Reference**

Ming-Lon Young, Michelle Yen, Joe DiMaggio Children's Hospital (United States), Jianli Niu, Memorial Regional Hospital (United States)

FRI-PP03-148 **Predictors of Success of Radiofrequency Ablation in Patients with an Accessory Pathway**

Jemelee Hernandez, Ma. Belen Carisma, Eden Gabriel, Philippine Heart Center (Philippines)

FRI-PP03-149 **Radiofrequency Ablation of Drug Refractory Inappropriate Sinus Tachycardia: A Case Series**

Mehrdad Emami, Ricardo Mishima, Kadhim Kadhim, Anand Thiyagarajah, Andian Munawar, Kashif Khokhar, Rachel Wells, Dominik Linz, Rajiv Mahajan, Dennis Lau, Prashanthan Sanders, The University of Adelaide (Australia)

FRI-PP03-150 **Cyroablation for Parahisian Related Supraventricular Tachycardia: A Single Centre Experience**

Kok Pan Loo, Paul Chun Yih Lim, Kelvin Chi Meng Chua, Eric Tien Siang Lim, Daniel Thuan Tee Chong, Boon Yew Tan, KahLeng Ho, Wee Siong Teo, Chi Keong Ching, National Heart Centre Singapore (Singapore)

FRI-PP03-151 **Ablation Catheter of Arrhythmias in Cambodia**

Mam Chandara, Calmette Hospital (Cambodia)

FRI-PP03-152 **Successful Radiofrequency Catheter Ablation in Male with Wolff Parkinson White Syndrome**

Bobby Saunders, Muzakkir Amir, Hasanuddin University (Indonesia)

FRI-PP03-153 **Workflow, Safety and Performance of Ultra-High Density Mapping with the 3D Rhythmia Mapping System: Data from the True HD Study**

Yasuaki Tanaka, Atsushi Takahashi, Yokosuka Kyosai Hospital (Japan), William Maddox, Tom McElderry, University of Alabama at Birmingham (United States), Stanislav Weiner, Trinity Mother Frances Health System (United States), Pierre Jaïs, Université de Bordeaux (France), Tom Wong, Royal Brompton and Harefield Foundation Trust and Imperial College (United Kingdom), Jose Ignacio Garcia-Bolao, Clinica Universitaria de Navarra (Spain), Sang Yong Ji, Torrance Memorial Medical Center (United States), Frederic Sacher, CHU/ Université de Bordeaux (France), Stephan Willems, Universitaetsklinik Eppendorf (Germany), John Mounsey, University of North Carolina Hospital (United States), Philippe Maury, Centre Hôpital

Universitaire Ranguel (France), Giovanni Raciti, Boston Scientific Corp. (Italy), Gerhard Hindricks, Herzzentrum Universität Leipzig (Germany)

FRI-PP03-154 Emergence of Junctional Beats during Cryo-Ablation of the Slow Pathway to Eliminate Atrioventricular Nodal Reentrant Tachycardia

Reiko Fukuda, Shiro Nakahara, Yuichi Hori, Naoki Nishiyama, Hirotsugu Satou, Tomoaki Ukaji, Yoshiyuki Kitagawa, Isao Taguchi, Dokkyo Medical University Saitama Medical Center (Japan)

FRI-PP03-155 Safety Range of Cryo Energy by Cryo Spot Catheter for Atrioventricular Nodal Reentrant Tachycardia

Akinori Matsumoto, Yukinori Kato, Yuya Suzuki, Mutsuki Kodaira, Yasutaka Hirayama, Takeshi Matsuura, Kazumasa Adachi, Akashi Medical Center (Japan)

FRI-PP03-157 To Compare the Success of Conventional Retrograde Arterial Approach with Transeptal Approach Radiofrequency Catheter Ablation of Left Accessory Pathways

Iftekhar Faisal, Hayatabad Medical Complex KGMC (Pakistan)

FRI-PP03-158 A Case of Impending Phrenic Nerve Injury Predicted by Phrenic Nerve Mapping from Right Superior Pulmonary Vein

Sato Kuniyoshi, Suzuki Atsushi, Kawaguchi Naohiko, Maeno Ryota, Ochida Mie, Murakami Tasku, Watanabe Shingo, Ypshikawa Shunji, Usui Michio, Tokyo Yamate Medical Center (Japan)

FRI-PP03-159 A Case of Focal Atrial Tachycardia Mimicking Inappropriate Sinus Tachycardia

Tomonori Miyabe, Seiji Fukamizu, Tomoyuki Arai, Kohei Kawajiri, Sho Tanabe, Sayuri Tokioka, Yasuki Koyano, Daisuke Miyahara, Marina Arai, Dai Inagaki, Satoshi Miyazawa, Iwanari Kawamura, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Tokyo Metropolitan Health and Hospitals Corporation Ohkubo Hospital (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University (Japan)

FRI-PP03-160 Chest Pain After SVT Ablation

Subash Chandhar, Thoddi Ramamurthy Muralidharan, Vinod Kumar Balakrishnan, Dasarath Boppana, Sri Ramachandra Medical College and Research Institute (India)

FRI-PP03-161 A Case of ATP-Sensitive at with Low Voltage Area and Fractionated Electrograms at His Bundle Region

Hisaharu Ohe, Yasushi Oginosawa, Keita Tsukahara, Haruhiko Abe, University of Occupational and Environmental Health (Japan)

FRI-PP03-163 Automaticity of Left Lateral Pathway during Ablation

Thoddi Ramamurthy Muralidharan, Subash Chandhar, Dasarath Boppana, Manokar Panchanatham, Vinod Kumar Balakrishnan, Sri Ramachandra Medical College and Research Institute (India)

FRI-PP03-164 Can Algorithm or Lumipoint Guide the Ablation Target in Atrial Tachycardia?

Masateru Takigawa, Claire Martin, Konstantinos Vlachos, Takeshi Kitamura, Takeshi Kitamura, Ghassen Cheniti, Anna Lam, Felix bourier, Nicolas Klotz, Josselin Duchateaux, Thomas Pumbran, Arnaud Denis, Frederic Sacher, Hubert Cochet, Meleze Hocini, Michel Haissaguerre, Pierre Jais, Nicolas Derval, Hôpital Cardiologique Haut Lévêque, Lyric institute, Université de Bordeaux (France)

FRI-PP03-165 Validation and Utility of a Novel Mapping System in Ablation of Complex Arrhythmias in Adult Congenital Heart Disease

Vivienne Ezzat, Jason Garcia, Holly Daw, Seamus Cullen, Amit Bhan, Bejal Pandya, Katherine VonKlemperer, Fiona Walker, Pier Lambiase, Anthony Chow, Mark Earley, Mehul Dhinoja, Vinit Sawhney, Martin Lowe, Barts Heart Centre (United

Kingdom)

FRI-PP03-166 Rare Complication of AVNRT Ablation

Suresh Allamsetty, Apollo Hospitals (India)

FRI-PP03-167 Atrial Tachycardia Originated from the Eustachian Ridge after Completely Repaired Tetralogy of Fallot

Tetsuri Sakai, Kengo Ayabe, Susumu Sakama, Tadashi Hashida, Shigetaka Kanda, Koichi Yoshioka, Mari Amino, Yuji Ikari, Tokai University (Japan)

FRI-PP03-168 Non-Fluoroscopic Catheter Ablation of PVC: Results from a Multicenter Study

Luigi Di Biase, Ricardo Avendano, Luis Cerna, Jorge Romero, Montefiore Medical Center (United States), Sanghamitra Mohanty, Chintan Trivedi, Andrea Natale, Texas Cardiac Arrhythmia Institute at St. David's Medical Center (United States)

FRI-PP03-169 A Case of Loop Recorder Implantation for Cryptogenic Recurrent Stroke: the Detection of Atrial Fibrillation

Hideaki Sato, Kentaro Shimada, Takayuki Eizawa, Ryuichi Kai, Kenichi Ito, Asama Nanroku Komoro Medical Center (Japan), Akihiko Ueno, Sou Takenaka, Toda Chuo General Hospital (Japan)

FRI-PP03-170 Atrioventricular Nodal Reentrant Tachycardia Ablation in Patient with Anomalous Inferior Vena Cava with Azygous Continuation

Shin Kashimura, Masanori Sakai, Kotaro Fukumoto, Koji Negishi, Yokohama Municipal Citizen's Hospital (Japan)

FRI-PP03-171 Wolff-Parkinson-White Syndrome and Supraventricular Tachycardia in an Infant with Ebstein's Anomaly

Gerardine Casi, Andrea Orel Valle, Section of Pediatric Cardiology, Department of Pediatrics, University of the Philippines - Philippine General Hospital (Philippines)

FRI-PP03-172 A Case of Surgical Thrombectomy prior to Ablation of Atrial Tachycardia

Narutaka Ohashi, International University of Health and Welfare, Mita Hospital (Japan), Kenta Yamada, Hirohisa Taniguchi, Hiroya Iwahori, Asuka Furukawa, Yuichi Tamura, Akio Kawamura, Teruo Okabe, Satoshi Ogawa, International University of Health and Welfare (Japan)

FRI-PP03-173 A Case of Biatrial Tachycardia after Open-Cardiac Surgery Identified with Ripple Mapping

Daisuke Yakabe, Toshihiro Nakamura, Yusuke Fukuyama, Masahiro Araki, Akemi Aso, National Hospital Organization Kyushu Medical Center (Japan)

FRI-PP03-174 I'm Mr.P and I'm Positive

Kantha Rao, Manipal Academy of Higher Education (Malaysia)

FRI-PP03-175 Dual Loop Macro-Reentrant Atrial Tachycardia Successfully Treated by Guidance of Ultra-High-Resolution Mapping System in a Patient with Repaired Tetralogy of Fallot

Yasuhiro Yokoyama, Tomonori Watanabe, Ayako Yokota, Takahiro Komori, Tomoyuki Kabutoya, Yasushi Imai, Kazuomi Kario, Jichi Medical University (Japan)

FRI-PP03-176 Case Report: Coronary Sinus Thrombosis Identification on Cardiac Computed Tomography

Muayad Alasady, Samuel Norman, It Meng Tsay, Robert Greenough, The Canberra Hospital (Australia)

FRI-PP03-177 Four Different Atrial Arrhythmias Originating in Right Atrium in Post Atrial Septal Defect Surgery

Rubiana Sukardi, Muhammad Yamin, Simon Salim, Angga Pramudita, Cipto Mangunkusumo National General Hospital (Indonesia)

FRI-PP03-178 **Wolff-Parkinson-White Syndrome Unmasked by Atrial Pacing in a Patient with Ventricular Tachyarrhythmia**

Po-Ching Chi, Taoyuan General Hospital (Taiwan)

FRI-PP03-179 **Local VA Separation in Left Lateral Pathway Ablation: Pitfalls for Assessment of Success**

Suchit Majumdar, Apollo Gleneagles Hospital Kolkata (India)

FRI-PP03-180 **Atrial Incisional Tachycardia Following Three Decades of Cardiac Surgery**

Rizki Pandelaki, Gunawan Yoga, Beny Hartono, Muhammad Munawar, Binawaluya Cardiac Center (Indonesia)

FRI-PP03-181 **Unusual Complication of Massive Hemothorax Following Failed Internal Jugular Venous Puncture during EP Study: A Case Report**

Oruganti Sai Satish, Kolli Jagdeesh Reddy, Anakala Rama Krishnu, Nizam's Institute of Medical Sciences (India)

FRI-PP03-182 **Dual Supraventricular Tachycardias**

Mohammad Paymard, Muayad Alasady, The Canberra Hospital (Australia)

FRI-PP03-183 **Juvenile Dilated Cardiomyopathy Presenting Multiple Accessory Pathways**

Yasunori Kanzaki, Itsuro Morishima, Yasuhiro Morita, Kensuke Takagi, Hiroaki Nagai, Naoki Watanabe, Koichi Furui, Naoki Yoshioka, Ryouta Yamauchi, Shotaro Komeyama, Hiroki Sugiyama, Kazuki Shimjyo, Hideyuki Tsuboi, Ogaki Municipal Hospital (Japan)

FRI-PP03-184 **An Uncommon Short RP Tachycardia**

Mark Shen, Bradley Knight, Northwestern University (United States)

FRI-PP03-185 **Spontaneous Hemopericardium Complicated with Hemothorax in a Patient Receiving Edoxaban Therapy: A Case Report**

Tsung-Ying Tsai, Hsin-Bang Leu, Li-Wei Lo, Shih-Ann Chen, Pai-Feng Hsu, Taipei Veterans General Hospital (Taiwan)

FRI-PP03-186 **Successful Percutaneous Retrieval of a Appendage Occlusion Device from the Left Ventricular: a Thrilling Case**

Ruhong Jiang, Chenyang Jiang, Sir Run Run Shaw Hospital, Zhejiang University (China)

FRI-PP03-187 **Successful Ablation of Focal Atrial Tachycardia in a Patient with "Silent" Atrium**

Tomonori Miki, Keitaro Senoo, Naruka Kaneko, Hirokazu Shiraishi, Takeshi Shirayama, Satoaki Matoba, Kyoto Prefectural University of Medicine (Japan)

FRI-PP03-188 **The Evaluating Reentry Circuit by Sparkling Mapping and Atrial Late Potential Using EnSite NavX in a Case of Atrial Tachycardia after ASD Repair Surgery**

Rina Ishii, Takahito Takagi, Hikari Hashimoto, Yoshinari Enomoto, Keijiro Nakamura, Toho University Medical Center Ohashi Hospital (Japan)

FRI-PP03-189 **Low CHA₂DS₂-VASC Score with High Risk of Stroke**

Wei-Sheng Liao, Chang-Jen Chen, Kun-Tai Lee, Kaohsiung Medical University Hospital (Taiwan)

FRI-PP03-190 **Multiple Accessory Pathways (Combination of Wolff Parkinson White Syndrome with Mahaim Fiber)**

Andy Sukmadja, Gadih Ranti Endamatriza, Mohammad Iqbal, Padjadjaran University (Indonesia)

FRI-PP03-191 **Feasibility Report on Cardiac Arrhythmia using Catheter-Free Carbon Ion Irradiation**

Mari Amino, Koichiro Yoshioka, Kengo Ayabe, Tetsuri Sakai, Susumu Sakama, Daisuke Fujibayashi, Tadashi Hashida, Shigetaka Kanda, Yuji Ikari, Tokai University (Japan)

FRI-PP03-192 **Reversible Left Ventricular Dysfunction due to Right Atrial Appendage to Right Ventricle Accessory Pathway Conduction**

Vihang Shah, Daljeet Kaur, Sachin Yalagudri, Debarbrata Bera, Soumen Devidutta, Calambur Narasimhan, CARE Hospitals (India)

FRI-PP03-193 **Typical AVRNT in the Absence of VA Conduction**

Roland Filart, Orlando Health Heart Institute (United States)

FRI-PP03-194 **Left Ventricular Aneurysm Associated with Wolf-Parkinson-White Syndrome**

Yuuki Fujii, Makoto Takei, Risa Onoguchi, Megumi Kawano, Ryuichiro Yagi, Ayaka Endo, Kenji Suzuki, Tasuku Hasegawa, Toshiyuki Takahashi, Shin Nakagawa, Saiseikai Central Hospital (Japan), Nobuhiro Nishiyama, Toranomon Hospital (Japan)

FRI-PP03-195 **Typical AVNRT with Bystander Atrio-Fascicular Pathway Activation: Illustration and Mechanisms**

Deep Raja, Anitha Sathishkumar, Madhumati Ekambaram, Ulhas Pandurangi, The Madras Medical Mission (India)

FRI-PP03-196 **Alternating Atrial Flutter of a Patient with Previous Atrial Septal Defect Repair**

Tadashi Hashida, Tetsuri Sakai, Kengo Ayabe, Susumu Sakama, Shigetaka Kanda, Mari Amino, Koichiro Yoshioka, Tokai University School of Medicine (Japan)

FRI-PP03-197 **To Unbaffle the Baffle: Complex Atrial Arrhythmia Ablation after Fontan Surgery**

Suraya Hani Kamsani, Aslannif Roslan, Kok Wei Koh, Azlan Hussin, Institut Jantung Negara (Malaysia)

FRI-PP03-198 **Ablation of the Left-Sided Accessory Pathway using a Novel Approach in a Patient with Coronary Sinus Ostial Atresia and Wolf-Parkinson-White Syndrome**

Jin-Jhe Wang, Taichung Veterans General Hospital Chiayi branch (Taiwan), Jiunn-Cherng Lin, Jyh-Wen Chai, Cheng-Hung Li, Ying-Chieh Liao, Jin-Long Huang, Tsun-Jui Liu, Yu-Cheng Hsieh, Tsu-Juey Wu, Taichung Veterans General Hospital (Taiwan)

FRI-PP03-199 **Radiofrequency Catheter Ablation with 3D Mapping of Recurrent Orthodromic Atrioventricular Reentrant Tachycardia in a Young Lady with Congenitally Corrected Transposition of the Great Arteries and Small Atrial Septal Defect**

Hazleena Mohamed Hasnan, Indra Perkasa, Pipin Ardianto, Dony Yugo Hermanto, Sunu Budhi Raharjo, Dicky Armein Hanafy, Yoga Yuniadi, RS Jantung dan Pembuluh Darah Harapan Kita (Indonesia)

FRI-PP03-200 **Radiofrequency Catheter Ablation of Two Accessory Pathways in Patient with WPW Syndrome**

Pham Linh, Vietnam National Heart Institute (Vietnam)

FRI-PP03-201 **A Challenging Diagnostic Case of Atrial Tachycardia Originates from near the Bundle of His**

Kazunori Takemura, Tetsuro Takase, Ayase Heart Hospital (Japan)

FRI-PP03-202 **Successful Cryo-Ablation in a Patient with Repeated Recurrences of a Para-Hisian Kent Bundle after Multiple Radiofrequency Ablation Procedures**

Sugako Ishigaki, Akira Maesato, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

FRI-PP03-203 **Successful Ablation of a Unique Recurrent Atrial Tachycardia after a Cryoballoon Based Box Isolation in a**

Patient with Long-Lasting Persistent Atrial Fibrillation

Sugako Ishigaki, Akira Maesato, Nobumori Yagi, Satoshi Higa, Makiminato Central Hospital (Japan)

FRI-PP03-204 Successful Cryoballoon Based Ablation of Recurrent Persistent Ridge-Related Atrial Tachycardia in a Patient with Long-Lasting Persistent Atrial Fibrillation

Akira Maesato, Sugako Ishigaki, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

FRI-PP03-205 Zero-Fluoroscopy Catheter Ablation of Intraatrial Reentrant Tachycardia in a 4-Year-Old Girl with Congenitally Corrected Transposition of Great Arteries after Double Switch Operation

Wei-Chieh Tseng, Shuenn-Nan Chiu, Chun-Wei Lu, Mei-Hwan Wu, National Taiwan University Hospital (Taiwan), Kun-Lang Wu, Changhua Christian Children Hospital (Taiwan)

FRI-PP03-206 Slow Fast AVNRT Induced Only by Heat

Chen-Hsiu Lin, Chye-Gen Chin, WanFang Hospital (Taiwan), Ming-Hsiung Hsieh, Jen-Hung Huang, WanFang Hospital, Taipei Medical University (Taiwan)

FRI-PP03-207 AV Nodal Reentrant Tachycardia with AV Block 2 : 1 : Mimicking Atrial Tachycardia

Mochamad Renaldi, Widi Hadian, Arsha Pramudya, Mohammad Iqbal, Padjadjaran University (Indonesia)

FRI-PP03-208 The Rare Association of Variant Ebstein's Anomaly with High Degree AV Block

Arya Nasution, Dicky Gumilang, Badai Tiksnadi, Mohammad Iqbal, Padjadjaran University (Indonesia)

FRI-PP03-209 Unusual Accessory Pathway in Left Coronary Cusp with Discrete Anatomically Antegrade and Retrograde Conduction

Beny Hartono, Johan Senihardja, Muhammad Munawar, Binawaluya Cardiac Center (Indonesia)

FRI-PP03-210 An Alternative Approach of Catheter Ablation for Atrial Tachycardia using a Remote Magnetic Navigation System in Patients with Adult Congenital Heart Disease

Hirotochi Ichibori, Katsunori Okajima, Tomoyuki Nakanishi, Takeaki Shirai, Ayako Maruo, Yoshio Onishi, Kakogawa Central City Hospital (Japan)

FRI-PP03-211 Trans-Septal Left Ventricular Endocardial Pacing and AV Node Ablation via a Retrograde Aortic Approach in a Patient with Ebstein's Anomaly and Tricuspid Valve Replacement

Simon James, Andrew Turley, Michael Chapman, Jenna McMinn, James Cook University Hospital (United Kingdom)

FRI-PP03-212 Catheter Ablation of Atrial Tachycardia in a Patient with Antibody-Mediated Rejection 29 Years after Heart Transplantation

Natsuko Satomi, Satoshi Higuchi, Morio Shoda, Koichiro Ejima, Daigo Yagishita, Yuji Iwanami, Kyoichiro Yazaki, Miwa Kanai, Takuro Abe, Nobuhisa Hagiwara, Tokyo Women's Medical University Hospital (Japan)

FRI-PP03-213 Concurrent Slow-Fast AVNRT and Peri-Nodal Focal Atrial Tachycardia from Non-Coronary Cusp : Relevance for Catheter Ablation

Cheng-Hung Li, Ying-Chieh Liao, Yu-Cheng Hsieh, Tsu-Juey Wu, Taichung Veterans General Hospital (Taiwan)

FRI-PP03-214 Epicardial Ablation of Left Free Wall Accessory Pathways

Vivek Chaturvedi, Narayana Superspeciality Hospital (India), Ankit Bansal, Sanjeev Kathuria, Susheel Kumar, Sanjay Tyagi, GB Pant Institute of Postgraduate Medical Education and Research (India)

FRI-PP03-215 **A Case of Cryoablation for Atrioventricular Nodal Reentrant Tachycardia Complicated with Congenital Corrected Transposition of the Great Arteries**

Takuo Tsurugi, Junjiro Koyama, Michiru Nomoto, Koudai Negishi, Katsushige Hayashi, Hideharu Okamatsu, Yasuaki Tanaka, Ken Okumura, Saiseikai Kumamoto Hospital (Japan)

FRI-PP03-216 **Fluorless Ablation of Right Atrial Appendage Tachycardia in a 4-Yr-Old Child**

Deep Raja, Sabari Saravanan, Anitha Sathishkumar, Ulhas Pandurangi, The Madras Medical Mission (India)

FRI-PP03-217 **Illustration and Mechanisms of Initiation of an Atypical AVNRT after Ablation of Typical AVNRT**

Deep Raja, Sabari Saravanan, Anitha Sathishkumar, Ulhas Pandurangi, The Madras Medical Mission (India)

FRI-PP03-218 **Long AVN ERP after Successful Para-Hisian WPW Ablation : Is it Predict Long Term Successful?**

Rudolf Andean Manullang, Mohammad Iqbal, Chaerul Achmad, University of Padjadjaran (Indonesia)

FRI-PP03-219 **Orthodromic and Antidromic Tachycardias by Multiple Accessory Pathways in Ebstein's Anomaly**

Ulhas Pandurangi, Deep Chandh Raja, Anitha Sathishkumar, Reshma George, Nirmala Singamoorthy, Ajitha Krishnan, Madras Medical Mission (India)

Poster Presentation – Basic and Translational Medicine

Date: Oct-19 | Time: 13:30-17:00

Venue: 1F, TWTC

FRI-PP04-001 Increasing Arrhythmogenesis with Dysregulated Calcium Homeostasis in Right Ventricular Outflow Tract Cardiomyocytes in a Rabbit Model of Chronic Kidney Disease

Shih Yu Huang, Cathay General Hospital (Taiwan)

FRI-PP04-002 FAT10 Attenuates Hypoxia-Induced Cardiomyocyte Apoptosis by Stabilizing Caveolin-3

Qiongqiong Zhou, The Second Affiliated Hospital of Nanchang University (China)

FRI-PP04-003 Atrial Remodeling and Metabolic Dysfunction in Idiopathic Isolated Fibrotic Atrial Cardiomyopathy

Chang Cui, Weizhu Ju, Minglong Chen, The First Affiliated Hospital of Nanjing Medical University (China)

FRI-PP04-004 Pericardium-Myocardium Interaction in Lipopolysaccharide-Induced LA Arrhythmogenesis

Fong-Jhih Lin, Yao-Chang Chen, National Defense Medical Center (Taiwan), Yen-Yu Lu, Sijhih Cathay General Hospital (Taiwan), Shao-Jung Li, Yi-Jen Chen, Taipei Medical University (Taiwan), Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP04-005 Rapid Electrical Stimulation Increased Cardiac Apoptosis through Disturbance of Calcium Homeostasis and Mitochondrial Dysfunction in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes

Le Geng, Zidun Wang, Chang Cui, Minglong Chen, The First Affiliated Hospital of Nanjing Medical University (China)

FRI-PP04-006 Gender Differences in the Genotype-Phenotype Correlation in Patients with Long QT Syndrome

Yaxun Sun, Sir Run Run Shaw Hospital (China), Hector Barajas, Ryan Pfeiffer, Yuesheng Wu, Tabitha Carrier, Masonic Medical Research Laboratory (United States), CuiLan Li, People's Hospital of Peking University (China), Aizawa Yoshiyasu, Keio University School of Medicine (Japan), Norma Alicia Balderrabano, Karla Sarahi Cano-Hernandez, The Children's Hospital of Mexico (Mexico), Molina Luis, The General Hospital of Mexico (Mexico), Dan Hu, Renmin Hospital of Wuhan University (China)

FRI-PP04-007 SCN5A A1673G Gene Polymorphism is not Associated with Disease Susceptibility of Acquired Atrioventricular Block

Jan-Yow Chen, Kuo-Hung Lin, Kuan-Cheng Chang, China Medical University Hospital (Taiwan), Ying-Ming Liou, National Chun Hsing University (Taiwan)

FRI-PP04-009 Optical Coherence Tomography is Feasible in Directly Visualizing Ablation Lesion Dissection During Intra-Coronary Sinus Ablation

Jennifer Jeanne Vicera, Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Tze-Fan Chao, Da-Chuan Duan, Jo-Nan Liao, Ting-Yung Chang, Chin-Yu Lin, Cheng-I Wu, Chih-Min Liu, Chieh-Mao Chuang, Chun-Chao Chen, Chye Gen Chin, Po-Tseng Lee, Shin-Huei Liu, Wen-Han Cheng, Le Phat Tai, Sung-Hao Huang, Allie Niu, Ching-Yao Chou, Ling Kuo, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP04-010 Impact of Ancestral Differences in the Classification of Previously Reported Pathogenic Variants of Brugada Syndrome

Ching-Yu Julius Chen, Tzu-Pin Lu, Lian-Yu Lin, Yen-Bin Liu, Li-Ting Ho, Hui-Chun Huang, Ling-Ping Lai, Juey-Jen Hwang, Shih-Fan Sherri Yeh, Cho-Kai Wu, Jyh-Ming Jimmy Juang, Charles Antzelevitch, National Taiwan University Hospital (Taiwan)

FRI-PP04-011 Catecholamine-Induced Prolongation of Ca²⁺ Release Duration in a Mouse Model of Human Cardiac Calmodulinopathy

WenChin Tsai, Hualien TzuChi General Hospital (Taiwan), Michael A. Olaopa, Shuai Guo, Loren J. Field, Jin Yang, Ching-Ping Chang, Peng-Sheng Chen, Michael Rubart, Indiana University School of Medicine (United States)

FRI-PP04-012 **Power of a 10-RR-Interval-Based Rhythm Classifier using a Deep Neural Network**

Takehiro Kimura, Seiji Takatsuki, Kenji Hashimoto, Terumasa Yamashita, Hiroshi Miyama, Taishi Fujisawa, Kazuaki Nakajima, Yoshinori Katsumata, Takahiko Nishiyama, Yoshiyasu Aizawa, Keiichi Fukuda, Keio University School of Medicine (Japan)

FRI-PP04-013 **Arrhythmogenic Substrate in the Right Atrium with MCT-Induced Pulmonary Hypertension**

Yen-Yu Lu, Sijhih General Hospital (Taiwan)

FRI-PP04-014 **Late Sleep-Related Changes in Cardiovascular Autonomic Regulation in Myocardial Infarction Rats: Investigating the Mechanism of Neural Inducing Apnea and Arrhythmia Events**

Wei Lun Lin, Yu-Hui Chou, Shin-Huei Liu, Wen-Han Cheng, Tsung-Ying Tsai, Li-Wei Lo, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Yu-Ruey Chen, Taipei Fuhsing Private School (Taiwan), Chun-Ting Lai, Terry B.J. Kuo, National Yang-Ming University (Taiwan), Yun-Ching Fu, Taichung Veterans General Hospital (Taiwan)

FRI-PP04-015 **The Feasibility of using a Recycled Dual-Chamber Pacemaker to Prepare a Canine Model of Hyper-Pacing Induced Heart Failure**

Xi Liu, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College (China), Shengwen Yang, Han Jin, Yiran Hu, Ran Jing, Wei Hua, Chinese Academy of Medical Sciences and Peking Union Medical College (China)

FRI-PP04-016 **Modulating Effects of Adipocytokines from Pericardial Fat on Ion Currents of Cardiomyocyte by Sodium-Glucose Transporter Inhibitor**

Shih-Jie Jhuo, I-Shin Liu, Bin-Nan Wu, Kun-Tai Lee, Wen-Ter Lai, Kaohsiung Medical University Hospital (Taiwan)

FRI-PP04-017 **ZFX3 Modulates MicroRNA-133 Regulatory Network in Controlling Cardiac Remodeling: A Novel Therapeutic Strategy for Atrial Fibrillation**

Wan-Li Cheng, Yu-Hsun Kao, Yung-Kuo Lin, Yi-Jen Chen, Taipei Medical University (Taiwan), Tze-Fan Chao, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP04-018 **Anti-Inflammatory Effect of Sympathetic Nerve Block with Bupivacaine via Activating the JAK2-STAT3 Pathway of Splenic Monocytes Expressing $\alpha 7$ Nicotinic Acetylcholine Receptor**

Hyelim Park, Hyewon Park, Hyo-eun Kim, Dasom Mun, Ji-young Kang, Boyoung Joung, Yonsei University (South Korea)

FRI-PP04-019 **Ultrafine Particles of Real Urban Air Pollutants Induce Arrhythmia via Oxidative Stress and Calcium Calmodulin Kinase II Activation**

Hyewon Park, Hyelim Park, Hyo-eun Kim, Ji-young Kang, Dasom Mun, Boyoung Joung, Yonsei University (South Korea)

FRI-PP04-020 **Electrophysiological Significance of Inter-Atrial Conductions during Atrial Fibrillation Ablation: In Silico Modeling Study**

Byounghyun Lim, Minki Hwang, Jae-Hyuk Kim, Hee-Tae Yu, Tae-Hoon Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University Health System (South Korea), Ah-Jin Ryu, Eun Bo Shim, Kangwon University (South Korea)

FRI-PP04-021 **Bipolar Electrogram Morphology Depends on Conduction Velocity, Catheter Orientation, Scar Size, and Catheter Type: In Silico Modeling Study**

Minki Hwang, Jun-Seop Song, Jaehyuk Kim, Byounghyun Lim, Hee Tae Yu, Tae-Hoon Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University Severance Hospital (South Korea), Eun Bo Shim, Kangwon National University (South Korea)

- FRI-PP04-022 **Telomere Length as a Surrogate Marker of Biological Age Determines Risk of Atrial Fibrillation**
Mehrdad Emami, Thomas Agbaedeng, Kadhim Kadhim, Ricardo Mishima, Anand Thyiragarajah, Andien Munawar, Kashif Khokhar, Dominik Linz, Jeroen Hendriks, Melissa Middeldorp, Celine Gallagher, Rajiv Mahajan, Dennis Lau, Prashanthan Sanders, The University of Adelaide (Australia)
- FRI-PP04-023 **Genome-Wide Association Study of Atrial Fibrillation in Japanese**
Yusuke Ebana, Tokyo Medical and Dental University (Japan)
- FRI-PP04-024 **An Interesting Presentation of a Rare Channelopathy**
Abhinay Tibdewal, Prakash V S, MS Ramaiah Medical College (India)
- FRI-PP04-025 **Structural Insights into the Antiarrhythmic Potential of Antimalarial Aminoquinolines**
Sami Noujaim, Bojjibabu Chidipi, Mengmeng Chen, Michelle Reiser, Bengt Herweg, Dany Sayad, University of South Florida (United States), Diana Slough, Yu-Shan Lin, Tufts University (United States)
- FRI-PP04-026 **Influence of Estrogen Supplement on Structural Remodeling and Arrhythmogenicity in Menopause**
Shin Huei Liu, Li-Wei Lo, Yu-Hui Chou, Tsung-Ying Tsai, Wen-Han Cheng, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng Hu, Fa-Po Chung, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Wei-Lun Lin, National Yang-Ming University (Taiwan)
- FRI-PP04-027 **Dose Warfarin Really Play a Role as a 'Blood Thinner' : Warfarin had no Effect on the Whole Blood Viscosity**
Laeyoung Jung, Chonbuk National University Hospital (South Korea)
- FRI-PP04-028 **Cell-Free DNA Released from Cardiomyocytes in Atrial Fibrillation Induces Systemic Pro-Inflammatory Cytokine Expression**
Masahiro Yamazoe, Tetsuo Sasano, Wakana Nakamura, Kensuke Ihara, Naomi Takahashi, Kenzo Hirao, Tetsushi Furukawa, Tokyo Medical and Dental University (Japan)
- FRI-PP04-029 **The Calcium-Activated Potassium Channel SK4 Induces Adipose-Derived Stem Cells to Differentiate into Pacemaker-Like Cells and Generate Biological Pacemaker in ex Vivo Heart**
Mei Yang, Congxin Huang, Renmin Hospital of Wuhan University (China)
- FRI-PP04-030 **Computer Simulation Study for the Control of Cardiac Spiral Wave by Linear Regional Cooling**
Hiroshi Seno, Naoki Tomii, Masatoshi Yamazaki, Ichiro Sakuma, The University of Tokyo (Japan), Haruo Honjo, Nagoya University (Japan), Nitara Shibata, Shinjuku Mitsui Building Clinic (Japan)
- FRI-PP04-031 **A Novel Finding: Atrial Fibrillation Ablation is Associated with Improvement of Sleep-Disordered Breathing Recorded by Ambulatory Cardiorespiratory Monitoring**
Shih-Lin Chang, Taipei Veterans General Hospital, National Yang-Ming University School of Medicine (Taiwan), Yenn-Jiang Lin, Li-Wei Lo, Yu-Feng Hu, Fa-Po Chung, Tze-Fan Chao, Jo-Nan Liao, Ta-Chuan Tuan, Kuo-Li Pan, Chin-Yu Lin, Ting-Yung Chang, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)
- FRI-PP04-032 **Intolerance to Rapid Ventricular Pacing in Pannexin-1 Knockout Mouse Heart**
Kensuke Ihara, Tetsuo Sasano, Masahiro Yamazoe, Tetsushi Furukawa, Tokyo Medical and Dental University (Japan)
- FRI-PP04-033 **Real-Time High Density Catheter AF Phase Mapping and Driver Identification Pre-Clinical Animal Study: Visualization of Myocardial Ablation Lesion**
Yenn-Jiang Lin, Li-Wei Lo, Fa-Po Chung, Chin-Yu Lin, Yun-Yu Chen, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan),

Yi-Chung Chang, Men-Tzung Lo, Chen Lin, National Central University (Taiwan)

FRI-PP04-034 Realistic Simulation Modeling for Atrial Fibrillation Reflecting Personal Anatomy, Histology, and Electrophysiology

Jaehyeok Kim, Byounghyun Lim, Minki Hwang, Jun-Seop Song, Jung Ki Lee, Hee-Tae Yu, Tae-Hoon Kim, Jaesun Uhm, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University Health System (South Korea)

FRI-PP04-035 Anti-MIR-21 Loaded Exosome as a Potential Regulator for Myocardial Infarction

Ji-Young Kang, Hyewon Park, Hyelim Park, Hyoeun Kim, Dasom Mun, Boyoung Joung, Yonsei University (South Korea)

FRI-PP04-036 Delivery of siRNAs to Heart by Cardiac Targeting Peptide-Expressing Exosomes

Hyoeun Kim, Nuri Yun, Dasom Mun, Jiyoung Kang, Hyelim Park, Hyewon Park, Boyoung Joung, Yonsei University College of Medicine (South Korea)

FRI-PP04-038 High Entropy Identifies Regions of Repetitive Wave Cross Propagation: Insights from Computational Simulation

Dhani Dharmapranj, Flinders University (Australia), Pawel Kuklik, University Medical Centre (Germany), Andrew McGavigan, Anand Ganesan, Flinders Medical Centre (Australia)

FRI-PP04-039 Mitochondrial Dysfunction and Autophagy Upregulation Associated Metabolic Remodeling in a Sheep Model of Persistent Atrial Fibrillation

Qiqiang Jie, Gang Li, Yang Wei, Xiaoyan Liu, Chengyu Wang, Qing Zhang, Lin Wu, Peking University First Hospital (China)

FRI-PP04-040 Heart Failure Differentially Modulates the Effects of Ivabradine on the Electrical Activity of the Sinoatrial Node and Pulmonary Veins

Chao-Shun Chan, Yung-Kuo Lin, Yu-Hsun Kao, Yi-Jen Chen, Taipei Medical University (Taiwan), Yao-Chang Chen, National Defense Medical Center (Taiwan), Shih-Lin Chang, Shih-Ann Chen, National Yang-Ming University (Taiwan)

FRI-PP04-041 Role of Cardiac Mast Cell in the Genesis of AF in the Pressure Overload Mouse Hearts

Issei Komuro, The University of Tokyo (Japan)

FRI-PP04-042 Exosomes Secreted from Human Mesenchymal Stem Cells with Over-Expression MIF Inhibit the Apoptosis of Cardiomyocytes via AMPK Signaling Pathway

Fengxiang Zhang, Xiaolin Liu, Baohan Fan, Wenwu Zhu, Hongyan Zhao, The First Affiliated Hospital of Nanjing Medical University (China)

FRI-PP04-043 The Roles of Macrophage in Cardiac Conduction and Metabolism

Issei Komuro, The University of Tokyo (Japan)

FRI-PP04-044 Angiotensin Receptor Neprilysin Inhibition Decreases AF Arrhythmogenesis Resulting from Atrial Natriuretic Peptide Reduction Following Left Atrial Appendage Occlusion: Concept of Neurohormonal Modulation in Heart Failure Model

Li-Wei Lo, Yu-Hui Chou, Shin-Huei Liu, Tsung-Ying Tsai, Wen-Han Cheng, Wei-Lun Lin, Tzu-Yen Peng, Pin-Yi Lin, Yamada Shinya, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP04-045 Generation of a Biological Pacemaker: Progress and Issues

Junya Aoyama, Yasuo Miyagi, Takashi Nitta, Nippon Medical School Hospital (Japan), Kohei Homma, Keio University School of Medicine (Japan), Nari Tanabe, Suwa University of Science (Japan)

FRI-PP04-046 **Heparin Suppress the Cytotoxicity Induced by Lysophosphatidylcholine in Mouse Brain bEND.3 Endothelial Cells**

Meng-Hsiu Chiang, Lo-Tung Poh-Ai Hospital (Taiwan), Tien-Yao Tsai, Shih-Chi Liu, Fu Jen Catholic University Hospital (Taiwan), Yuan-Teng Tseng, Saint Mary's Hospital Luodong (Taiwan)

FRI-PP04-047 **Valproic Acid Suppressed Intracellular Ca^{2+} Release in bEND.3 Endothelial Cells**

Tien-Yao Tsai, Shih-Chi Liu, Fu Jen Catholic University Hospital (Taiwan), Meng-Hsiu Chiang, Lo-Tung Poh-Ai Hospital (Taiwan), Yuan-Teng Tseng, Saint Mary's Hospital Luodong (Taiwan)

FRI-PP04-048 **IL-6 Signaling Promotes Atrial Fibrillation-Related Remodeling in Mice**

Fumi Yamagami, Kazuko Tajiri, Duo Feng, Saori Yonebayashi, Rujie Qin, Dongzhu Xu, Nobuyuki Murakoshi, Kazutaka Aonuma, Masaki Ieda, University of Tsukuba (Japan)

FRI-PP04-049 **Carvedilol Inhibits the Emergence of Pathological Q Waves and the Spread of Inflammation Induced by Isoproterenol Toward the Epicardium**

Takeshi Yamaguchi, Ryuuichirou Mukai, Kumiko Sajiki, Eiko Tomizawa, Hideyuki Nakagawa, Shikoku University (Japan)

FRI-PP04-050 **AMP-Activated Protein Kinase Protects Against Necroptosis via Regulation of KEAP1-PGAM5 Complex**

Peng Yu, Jing Zhang, The Second Affiliated Hospital of Nanchang University (China)

FRI-PP04-051 **Remote Ischaemic Preconditioning and Sevoflurane Postconditioning Synergistically Protect Rats from Myocardial Injury Induced by Ischemia and Reperfusion Partly via Inhibition TLR4/MYD88/NF- κ B Signaling Pathway**

Jing Zhang, Peng Yu, The Second Affiliated Hospital of Nanchang University (China)

FRI-PP04-052 **Berberamine Preconditioning and Sevoflurane Postconditioning Synergistically Protect the Heart from Ischemia/Reperfusion Injury Through Modulation of Mitophagy**

Jing Zhang, Peng Yu, The Second Affiliated Hospital of Nanchang University (China)

FRI-PP04-053 **An N-/L-Type Calcium Channel Blocker, Cilnidipine, Attenuates Atrial Fibrillation-Promoting Remodeling by Suppressing Autonomic Neural Outflow**

Kazuko Tajiri, Kazutaka Aonuma, University of Tsukuba (Japan), Patrice Naud, Yoshihiro Sobue, Stanley Nattel, Montreal Heart Institute (Canada)

FRI-PP04-054 **Functional Change of an SCN5A Mutation Identified in the Patient with Short-Coupled Variant of Torsades de Pointes**

Keiko Sonoda, Seiko Ohno, Tetsuhisa Hattori, National Cerebral and Cardiovascular Center (Japan), Minoru Horie, Shiga University of Medical Science (Japan)

FRI-PP04-055 **Phospholamban Facilitates Nucleus-Initiating Spontaneous Ca Waves in Cardiomyocytes that Involves IP_3R**

Dongzhu Xu, Kazutaka Aonuma, University of Tsukuba (Japan), Mu Chen, Zhenhui Chen, Indiana University (United States)

FRI-PP04-056 **An in Silico Platform for Simulating Cardiotoxic Effects of Doxorubicin**

WenWei Tseng, Yu-De Lin, An-Chi Wei, National Taiwan University (Taiwan)

FRI-PP04-057 **Use a Metabolic Model to Predict Cardiac Mitochondrial Toxicity**

Yu-De Lin, An-Chi Wei, Wen-Wei Tseng, National Taiwan University (Taiwan)

FRI-PP04-058 **Plakoglobin Plays a Key Role in Insulin Receptor-PI3 Kinase Signaling Pathway, Supporting that ARVD/C is**

a Metabolic Disease in Human Hearts

Chuan-yu Wei, Shing Fai Chan, Johnson Wong, H-S. Vincent Chen, Indiana University (United States)

FRI-PP04-059 High Frequency of de Novo KCNJ2 Mutations in Andersen-Tawil Syndrome Patients

Tetsuhisa Hattori, Keiko Sonoda, Seiko Ohno, National Cerebral and Cardiovascular Center (Japan), Minoru Horie, Shiga University of Medical Science (Japan)

FRI-PP04-060 Effect of Sarcoplasmic Reticulum Calcium Inhibition in an Acquired Long-QT Syndrome Rabbit Model by Bradycardia and Therapeutic Hypothermia

Cheng-Hung Li, Yu-Cheng Hsieh, Tsu-Juey Wu, Taichung Veterans General Hospital (Taiwan)

FRI-PP04-061 Circulating Cell-Free DNA and Cell-Free Mitochondrial DNA in Patients with Atrial Fibrillation

Naomi Takahashi, Wakana Nakamura, Masahiro Yamazoe, Yu Natsume, Ai Oono, Shinya Shiohira, Yasuhiro Shirai, Atsuhiko Yagishita, Takeshi Sasaki, Masahiko Goya, Kenzo Hirao, Tetsushi Furukawa, Tetsuo Sasano, Tokyo Medical and Dental University (Japan)

FRI-PP04-062 Overlapping Brugada Syndrome Associated with SCN5A Mutations in Patients with Sick Sinus Syndrome Treated with Permanent Pacemakers

Asami Kashiwa, Takeru Makiyama, Yimin Wuriyanghai, Yuta Yamamoto, Sayako Hirose, Hirohiko Kohjitani, Jing Shan Gao, Takeshi Kimura, Kyoto University (Japan), Seiko Ohno, National Cerebral and Cardiovascular Center (Japan), Minoru Horie, Shiga University of Medical Science (Japan)

FRI-PP04-063 Single Cell Electrophysiological Analysis of Human iPS Cell-Derived Cardiomyocytes Generated from Long-QT Syndrome Patients Carrying a CALM2 Mutation Using a Membrane Voltage Imaging System

Yuta Yamamoto, Takeru Makiyama, Yimin Wuriyanghai, Hirohiko Kohjitani, Sayako Hirose, Jingshan Gao, Asami Kashiwa, Takeshi Kimura, Kyoto University (Japan), Taisuke Ishikawa, Hideki Motomura, Naomasa Makita, Nagasaki University (Japan), Seiko Ohno, National Cerebral and Cardiovascular Center (Japan), Kazuhisa Chonabayashi, Yoshinori Yoshida, Center for iPS Cell Research and Application (Japan), Kenji Suda, Kurume University (Japan), Minoru Horie, Shiga University of Medical Science (Japan)

FRI-PP04-064 The Anti-Arrhythmia Effect of Late Sodium Current Inhibitor Ranolazine on Ischemia Rabbit Heart Model

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FRI-PP04-065 Pannexin-1 Maintains Cardiac Function in Pressure Overload Mouse Model

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FRI-PP04-066 Combining Cardiomyocytes Derived from Human Induced Pluripotent Stem Cells and Exogenous Fibroblasts Enhanced Structural and Functional Properties of Engineered Cardiac Tissue

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FRI-PP04-067 Genetic Testing Using Next-Generation Sequencing for Inherited Arrhythmia Syndromes in Korean

Suk-kyu Oh, Jong-Il Choi, Young Ran Jeon, Jaemin Shim, Young-Hoon Kim, Korea University Medical Center (South Korea), Young-Eun Kim, Eun Hae Cho, Jong-Moon Choi, Green Cross Genome (South Korea)

FRI-PP04-068 A Novel Calmodulin Mutation in a Large Long QT Syndrome Family

Koichi Kato, Amal Debbiche, Alain Coulombe, Pascale Guicheney, Sorbonne University (France), Holly M Isbell, Madeline A Shea, University of Iowa, Carver College of Medicine (United States), Véronique Fressart, Pitié-Salpêtrière Hospital (France), Isabelle Denjoy, Bichat Hospital (France), Hideki Itoh, Shiga University of Medical Science (Japan), Jacques Poinot, Centre

FRI-PP04-069 Occurrence of U-Turn Activation in the TV-IVC Isthmus by Rapid Atrial Pacing Suggests the Presence of “Functional” Dual Pathways: Considerations of both Anatomical and Functional Evidence of Dual Conducting Pathways in the TV-IVC Isthmus

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FRI-PP04-070 AMPK Inhibition Suppresses Hypothermic J Wave and Ventricular Arrhythmogenesis

Cheng-I Wu, Chao-Shun Chan, Shih-Ann Chen, Heart Rhythm Center and Division of Cardiology (Taiwan), Yao-Chang Chen, Feng-Zhi Lin, National Defense Medical Center (Taiwan), Yung-Kuo Lin, Yi-Jen Chen, Wan Fang Hospital, Taipei Medical University (Taiwan)

FRI-PP04-071 Applying Transfer Learning and Deep Convolutional Neural Networks to Automatically Detect Left Atrium in 2D Cardiac Computed Tomographic Images

Paul Yu-Chun Chang, Ssu-Ting Fang, Shan-Quan Zhan, You-Ming Pan, Henry Horng-Shing Lu, National Chiao Tung University (Taiwan), Chieh-Mao Chuang, Chih-Min Liu, Shih-Lin Chang, Yenn-Jiang Lin, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP04-072 Using U-Net for Fully Automated Semantic Segmentation of the Left Atrium in 2D Cardiac Computed Tomographic Images

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FRI-PP04-073 Evaluation of VPC Origins from RVOT Induced Cardiomyopathy from a Pig Model

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FRI-PP04-074 Evaluation of Mechanism of VPC Origins from Left Ventricle Induced Cardiomyopathy from a Pig Model

Yu-Sheng Lin, Chang Gang Memorial Hospital (Taiwan)

FRI-PP04-075 SER96ALA Genetic Variant of Human Histidine-Rich Calcium-Binding Protein is a Genetic Predictor of Recurrence After Catheter Ablation in Patients with Paroxysmal Atrial Fibrillation

Michitaka Amioka, Yukiko Nakano, Yasuki Kihara, Hiroshima University (Japan)

FRI-PP04-076 Non-Personalized Modeling of Atrial Fibrillation Course and Ablation Strategies. Their Extrapolation to Clinical Results

Evgeny Zhelyakov, Andrey Ardashev, Moscow State University (Russian Federation), Mikhail Mazurov, Moscow Statistic and Economic University (Russian Federation)

FRI-CP04-02 Dulaglutide Inhibits Perilipin 2-Induced Atrial Fibrillation in Transgenic Mice

Nanae Ishida, Kana Sugimura, Yohei Sawa, Masamichi Hirose, Iwate Medical University (Japan), Jinya Suzuki, Satsuki Sato, University of Fukui (Japan)

FRI-PP04-078 Radiofrequency Catheter Ablation Improves Left Ventricular Ejection Fraction in Patients with Heart Failure and Atrial Fibrillation

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FRI-PP04-079 Decrease of Anxiety after Atrial Fibrillation Ablation is Associated with Modification of Parasympathetic Reactivity to Stress

Hideyuki Hasebe, Toshikazu Shinba, Shizuoka Saiseikai General Hospital (Japan)

FRI-PP04-080 **Feasibility of New CT Guided Method to Predict the Fossa Ovalis on Fluoroscopy for Transseptal Puncture**
Eiichiro Nakagawa, Toshinori Makita, Osaka Red Cross Hospital (Japan)

FRI-PP04-081 **Inducibility of Supraventricular Tachycardia after Catheter Ablation of Atrial Fibrillation**
Tsukasa Naganuma, Hitoshi Mori, Akira Hamabe, Mai Tahara, Daisuke Kawano, Daisuke Kawano, Kazuhiro Nakaya, Tomiharu Niida, Kazuki Satou, Hirotsugu Tabata, Hirotsugu Tabata, Japan Self Defense Forces Central Hospital (Japan)

FRI-PP04-082 **Proarrhythmic Risk Stratification of Class III Antiarrhythmic Drug Therapy for High Risk Atrial Fibrillation Patients using SNP Genotyping**
Wilson Wong, Rebecca Young, Arkansas Heart Hospital (United States), Hui-Yi Lin, Louisiana State University (United States), Johnson Wong, Krannert Institute of Cardiology (United States)

FRI-PP04-083 **AF Ablation**
Kageyuki Oba, Minetaka Maeda, Tomishiro Central Hospital (Japan), Asuka Miji, Nanbu Hospital (Japan)

FRI-PP04-084 **Left Ventricular Deformation Measures are Useful Predictors of Cardiac Outcomes in Patients with Atrial Fibrillation**
Jen-Yuan Kuo, Sheng-Hsiung Chang, Kuo-Tze Sung, Hung-I Yeh, Chung-Lieh Hung, MacKay Memorial Hospital (Taiwan)

FRI-PP04-085 **Outcomes of a Strategy of Posterior Left Atrial Isolation (PLAI) for Patients with Recurrent Atrial Fibrillation (AF) Following an Index Pulmonary Vein Isolation (PVI)**
Ben Ng, Rahn Ilisar, Mark McGuire, Suresh Singarayar, Prince of Wales Hospital and Eastern Heart Clinic (Australia)

FRI-PP04-086 **Left Atrial Appendage Closure in Atrial Fibrillation Patients: First Result of a Safety and Efficacy Study in a Large-Scale Chinese Population**
Weijian Huang, Fangyi Xiao, Xiaodong Zhou, Tiancheng Xu, Mengxing Cai, The First Affiliated Hospital of Wenzhou Medical University (China)

FRI-PP04-087 **Left Atrial Appendage Closure Combined with Catheter Ablation in Chinese Atrial Fibrillation Patients: Including Cryoballoon Ablation or Radiofrequency Ablation**
Weijian Huang, Fangyi Xiao, Xiaodong Zhou, Tiancheng Xu, Mengxing Cai, The First Affiliated Hospital of Wenzhou Medical University (China)

FRI-PP04-089 **The Differences in Biomarkers Indicating Myocardial Injury Between CRYO and RF Ablation**
Satoshi Okumura, Yasunobu Takada, Takayuki Goto, Daisuke Sugiyama, Tomoya Iwawaki, Kiyoshi Niwa, Miho Tanaka, Hiroki Kataoka, Fumio Saito, Konan Kosei Hospital (Japan)

FRI-PP04-090 **Left Atrial Appendage Closure with Watchman in Asian Patients: 2 Year Outcomes from the WASP Registry**
Karen Phillips, Greenslopes Private Hospital (Australia), Teguh Santoso, Medistra Hospital (Indonesia), Prashanthan Sanders, South Australian Health and Medical Research Institute, University of Adelaide and Royal Adelaide Hospital (Australia), Jeffrey Alison, Monash Health, (Australia), Jason Leung Kwai Chan, Queen Elizabeth Hospital (Hong Kong), Hui-Nam Pak, Yonsei University Health System (South Korea), Mann Chandavimol, Ramathibodi Hospital (Thailand), Kenneth Stein, Nicole Gordon, Boston Scientific Corp. (United States), Omar Bin Razali, National Heart Institute (Malaysia)

FRI-PP04-091 **Early Direct Current Cardioversion or Ablation for Atrial Fibrillation or Atrial Flutter and Acute Decompensated Heart Failure**

Fang Shawn Foo, Andrew Kerr, Ruvin Gabriel, David Heaven, Jen-Li Looi, Mayanna Lund, Jamie Voss, Timothy Sutton, Middlemore Hospital (New Zealand)

FRI-PP04-092 **Clinical Characteristics and Procedural Outcome of Left Atrial Appendage Occlusion with Watchman Device, a Single Center Experience**

Nuratiqah Izzah Sharidon, Mohd Hafiz Izzudin, Firdaus Mohd Ali Kanabathi, Yi Zhi Cheng, Sathvinder Singh, Ahmad Faiz Mohd Ezanee, Kantha Rao Narasamuloo, Ahmad Suhaimi Mustafa, Saravanan Krishinan, Hospital Sultanah Bahiyah (Malaysia), Effarezan Abdul Rahman, UiTM Sungai Buloh (Malaysia)

FRI-PP04-093 **The Impact of Catheter Ablation for Atrial Fibrillation in the Reverse Remodeling of Left Atrial Structure**
Yosuke Hayashi, Yokosuka Kyosai Hospital (Japan)

FRI-PP04-094 **Long-term Outcome of Catheter Ablation for Atrial Tachyarrhythmias in Patients with Atrial Septal Defect**
Hao Wang, Jindong Chen, Liang Zhao, Shanghai Chest Hospital (China)

FRI-PP04-095 **Defibrillation Threshold is a Predictor of Early Recurrence in Patients with Persistent Atrial Fibrillation Who Underwent Direct Current Cardioversion**

Soonil Kwon, Chee-Hae Kin, Eue-Keun Choi, Ji-Hyun Jung, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea)

FRI-PP04-096 **Effect of Renin-Angiotensin System Blockade after Radiofrequency Ablation for Atrial Fibrillation in Patients with Concomitant Hypertension**

Young Choi, Sun-hwa Kim, Sung-Hwan Kim, Yong-Seog Oh, Seoul St. Mary's Hospital, The Catholic University of Korea (South Korea), Ju Youn Kim, Uijeongbu St. Mary's Hospital, The Catholic University of Korea (South Korea), Yoo Ri Kim, Incheon St. Mary's Hospital, The Catholic University of Korea (South Korea), Tae-Seok Kim, Daejeon St. Mary's Hospital, The Catholic University of Korea (South Korea), Youmi Hwang, Ji-Hoon Kim, St. Vincent's Hospital, The Catholic University of Korea (South Korea), Sung-Won Jang, Tai-Ho Rho, St. Paul's Hospital, The Catholic University of Korea (South Korea), Man Young Lee, Yeouido St. Mary's Hospital, The Catholic University of Korea (South Korea)

FRI-PP04-097 **The Impact of Sinus Rhythm Restoration prior to Cryoballoon Ablation for Persistent Atrial Fibrillation**
Akemi Aso, Toshihiro Nakamura, Yusuke Fukuyama, Masahiro Araki, Daisuke Yakabe, National Hospital Organization Kyushu Medical Center (Japan)

FRI-PP04-098 **The Impact of Left Atrium Size on Clinical Outcome after Cryoablation for Atrial Fibrillation Patients**

Takashi Ikenouchi, Nitta Junichi, Hirotaka Yano, Giichi Nitta, Shunichi Kato, Toshikazu Kono, Kazuya Murata, Junji Matsuda, Miki Kano, Tomomasa Takamiya, Nobutaka Kato, Yukihiro Inamura, Ken Negi, Akira Sato, Tsunehiro Yamato, Yutaka Matsumura, Saitama Red Cross Hospital (Japan), Yoshihide Takahashi, Masahiko Goya, Kenzo Hirao, Tokyo Medical and Dental University (Japan)

FRI-PP04-099 **Prolonged P Wave Duration after Cavotricuspid Isthmus Catheter Ablation is Associated with Dilated Left Atrium and Left Atrial Conduction Velocity**

Yasuhiro Yokoyama, Tomoyuki Kabutoya, Ayako Yokota, Tomonori Watanabe, Takahiro Komori, Yasushi Imai, Kazuomi Kario, Jichi Medical University (Japan)

FRI-PP04-100 **One Year Single Procedure Outcomes, Quality of Life, and Reinterventions Post Cryoballoon Ablation in Persistent Atrial Fibrillation: Prospective Multicenter Results from the Cryo4persistent AF Trial**

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de la Timone (France), George Andrikopoulos, Henry Dunant Hospital Center (Greece), Tillman Dahme, Universitätsklinikum Ulm (Germany), Nicholas Lellouche, CHU Henri Mondor (France), Serge Boveda, Clinique Pasteur (France)

FRI-PP04-101 The Relation between Preoperative Average Heart Rate and Recurrence Rate after Catheter Ablation for Persistent or Long-Standing Persistent Atrial Fibrillation

Jun Yonekawa, Yokkaichi Municipal Hospital (Japan)

FRI-PP04-102 Impact of Catheter Ablation on Quality of Life in Patients with Atrial Fibrillation

Kenichi Tokutake, Seigo Yamashita, Hidenori Sato, Eri Okajima, Hirotsugu Ikewaki, Hirotsuna Oseto, Masaaki Yokoyama, Ryota Isogai, Kenichi Yokoyama, Ryosuke Narui, Mika Kato, Shinichi Tanigawa, Michifumi Tokuda, Seiichiro Matsuo, Satoru Miyana, Kenichi Sugimoto, Michihiro Yoshimura, Teiichi Yamane, The Jikei University School of Medicine (Japan)

FRI-PP04-103 The Evaluation of Pulmonary Vein Reconnection and Non-Pulmonary Vein Foci in Second Session Ablation: Comparison between Cryoballoon and Radiofrequency Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation

Yukihiro Inamura, Junichi Nitta, Toshikazu Kono, Takashi Ikenouchi, Kazuya Murata, Tomomasa Takamiya, Nobutaka Kato, Akira Sato, Japanese Red Cross Saitama Hospital (Japan), Kenzo Hirao, Tokyo Medical and Dental University (Japan)

FRI-PP04-104 Investigation of Relevance Coagulation and Fibrinolytic System after Pulmonary Vein Isolation

Natsuko Hosoya, Ryosuke Takeuchi, Takuya Nakagawa, Yosuke Mizuno, Yasuhiro Ono, Yuki Nakanishi, Atsuo Nakajima, Hirotsugu Mitake, Keita Kodama, Mayuko Omote, Yusuke Hattori, Shigetaka Kageyama, Tomoya Onodera, Michitomo Kawahito, Shizuoka City Shizuoka Hospital (Japan)

FRI-PP04-105 The Effects of Single Nucleotide Polymorphisms in Korean Patients with Early Onset Lone Atrial Fibrillation after Catheter Ablation

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FRI-PP04-106 Clinical Impact of Early Recurrence after Initial Catheter Ablation for Atrial Fibrillation Patients with Sleep-Disordered Breathing: From Kansai Plus Atrial Fibrillation (KPAF) Registry

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FRI-PP04-107 Prolonged P-Wave Duration Predicts a Low Voltage Area in the Left Atrium

Osamu Wakisaka, Tatsuhiko Ooie, Oita Oka Hospital (Japan)

FRI-PP04-108 Clinical Implication of Serum Galectin-3 in Patients with Atrial Fibrillation

Kwang-No Lee, Jong-Il Choi, Yorn Uy, Van Dang Nguyen, Do Young Kim, Ki Yung Boo, Hee-Soon Park, Yun Gi Kim, Suk-Kyu Oh, Jaemin Shim, Shee Juhn Jung, Sam Soo Kim, Young-Hoon Kim, Korea University Medical Center Anam Hospital (South Korea), Dae In Lee, Chungbuk National University Hospital (South Korea), Seung-Young Roh, Dongguk University Medical Center (South Korea)

FRI-PP04-109 Impact of Atrial Refractory Period and Inducibility for Recurrence after Catheter Ablation in Patients with Persistent Atrial Fibrillation

Shushi Nishiwaki, Hideyuki Hayashi, Yusuke Morita, Yuhei Yamaji, Eisaku Nakane, Yoshisumi Haruna, Moriaki Inoko, The Tazuke Kofukai Medical Research Institute (Japan), Moritoshi Funasako, Nemocnice Na Homolce (Czech Republic), Tetsuya Haruna, Kitano Hospital (Japan)

FRI-PP04-110 Left Ventricular Hypertrophy is Associated with Low Left Atrial Appendage Flow Velocity in Patients with Atrial Fibrillation

Kazuto Hayasaka, Akira Mizukami, Yoshihiro Hanyu, Nozomu Kanehama, Shinichi Tachibana, Hirofumi Arai, Jiro Hiroki, Kenji Yoshioka, Shunsuke Kuroda, Tatsuya Hayashi, Shigeki Kimura, Akihiko Matsumura, Kameda Medical Center (Japan), Kenzo Hirao, Tokyo Medical and Dental University (Japan)

FRI-PP04-111 Self-Adjustment to Atrial Fibrillation in Patients with Persistent Atrial Fibrillation Determines the Suitability of Aggressive Sinus Maintenance Therapy

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FRI-PP04-112 Flexible-Tip Catheter for the Ablation of Paroxysmal and Persistent Atrial Fibrillation in China: Outcomes from the Ablator Registry

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FRI-PP04-113 Learning Curve of 2nd Generation Cryoballoon Ablation for Paroxysmal Atrial Fibrillation ; A Single Center Retrospective Study

Toshikazu Kono, Nobutaka Kato, Takashi Ikenouchi, Kazuya Murata, Tomomasa Takamiya, Yukihiro Inamura, Akira Sato, Junichi Nitta, Japanese Red Cross Saitama Hospital (Japan), Kenzo Hirao, Tokyo Medical and Dental University (Japan)

FRI-PP04-114 Simple Screening Tool Revealed that Non-Paroxysmal Atrial Fibrillation was Associated with Obstructive Sleep Apnea in Patients Receiving Catheter Ablation

Ryo Kitagaki, Koji Tanaka, Yuichi Ninomiya, Yuko Hirao, Takafumi Oka, Nobuaki Tanaka, Masato Okada, Hiroyuki Inoue, Koichi Inoue, Katsuomi Iwakura, Kenshi Fujii, Sakurabashi Watanabe Hospital (Japan)

FRI-PP04-115 Feasibility of Continued Procedure of Ablation for Atrial Fibrillation after Pericardiocentesis for Cardiac Tamponade

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FRI-PP04-116 Catheter Ablation of Atrial Fibrillation: Mid-Term Result from Single Centre in Vietnam

Thanh Nguyen, Dan Buu Van Do, Minh Ton That, Dang Nguyen Van, Thao Nguyen Khiem, An Khanh Nu Ton, Vinh Pham Nguyen, Tam Duc Heart Hospital (Vietnam)

FRI-PP04-117 Patients with New Onset Atrial Fibrillation Post Cavotricuspid Isthmus Ablation of Typical Atrial Flutter: Electrocardiographic Characteristics

Hailei Liu, Minglong Chen, The First Affiliated Hospital of Nanjing Medical University (China)

FRI-PP04-118 Edoxaban Real-World Evidence: Korea and Taiwan ETNA-AF Registry Baseline Snapshot Data from NVAF Patients on Edoxaban

Young-Hoon Kim, Korea University Anam Hospital (South Korea), Byung-Chul Lee, Hallym University Sacred Heart Hospital (South Korea), Raffaele De Caterina, G. d'Annunzio University (Italy), Bernd Bruggenjurg, Steinbeis University (Germany), Yukihiro Koretsune, National Hospital Organization, Osaka National Hospital (Japan), Takeshi Yamashita, The Cardiovascular Institute (Japan), Pierre Levy, Mediconomie, Boulogne-Billancourt (France), Paulus Kirchhof, University of Birmingham (United Kingdom), Chun-Chieh Wang, Chang Gung Memorial Hospital (Taiwan)

FRI-PP04-119 An Updated Systematic Review and Meta-Analysis on Association of Amplified Pulse Pressure with Incidental AF

Kashif Khokhar, Dennis Lau, Adrian Elliot, Rajiv Mahajan, Anand Thiagarajah, Dian Andien Munawar, Kadhim Kadhim, Dominik Linz, Ricardo Mishima, Mehrdad Emami, Varun Malik, Katherine O'Shea, Thomas Agbaedeng, Celine Gallagher, Melissa Middeldorp, Prash Sanders, Royal Adelaide Hospital, University of Adelaide (Australia), Martin Stiles, Waikato Hospital (New Zealand)

FRI-PP04-120 Efficacy and Safety of Phase-Mapping or Electrogram Activation Based Rotor Ablation of Atrial Fibrillation: Meta-Analysis

Yenn-Jiang Lin, Chin-Yu Lin, Fa-Po Chung, Yun-Yu Chen, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Jo-Nan Liao, Ta-Chuan Tuan, Tze-Fan Chao, Yao-Ting Chang, Abigail Louise D. Te, Ling Kuo, Jennifer Jeanne B. Vicera, Ting-Yung Chang, Hoang Quang Minh, Simon Salim, Ting-Chung Huang, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

FRI-PP04-121 The Factors Associated with Failed Electrical Cardioversion and Recurrence after Electrical Cardioversion of Atrial Fibrillation

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FRI-PP04-122 Association of Pericardial Effusion Following Pulmonary Vein Isolation with Arrhythmic Recurrence in Patients with Paroxysmal Atrial Fibrillation

Ung-Jeong Do, Min-Soo Cho, Yu-Na Kim, Jun Kim, Gi-Byoung Nam, Kee-Joon Choi, You-Ho Kim, Asan Medical Center (South Korea)

FRI-PP04-123 Meta-Analysis of Outcomes from Posterior Left Atrial Isolation with Endocardial Ablation Approaches

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FRI-PP04-126 Clinical Characteristics and Rhythm Outcome of Catheter Ablation for Hemodynamically Corrected Valvular Atrial Fibrillation

Jung Ok Kim, Seung-Hyun Lee, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Il Choi, Moon-Hyung Lee, Byung-Chul Chang, Hui-Nam Pak, Yonsei University Health System (South Korea), Jaemin Shim, Young-Hoon Kim, Korea University Cardiovascular Center (South Korea)

FRI-PP04-127 Conversion to Sinus Rhythm with Low-Dose Bepridil Predicts the Effect of Pulmonary Vein Isolation Alone for Persistent Atrial Fibrillation

Yuya Sudo, Keisuke Okawa, Ryu Tsushima, Satoshi Taya, Keisuke Yamamoto, Ai Sakamoto, Masahiro Sogo, Satoko Ugawa, Tomoaki Okada, Kazumasa Nosaka, Masahiko Takahashi, Kousuke Sakane, Masayuki Doi, Kagawa Prefectural Central Hospital (Japan)

FRI-PP04-128 Novel Predictors of Atrial Fibrillation Occurrence after Typical Atrial Flutter Ablation

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FRI-PP04-129 Persistence of Atrial Septal Defect Compare Radiofrequency and Cryoballoon Ablation 2 Years Follow up with Transesophageal Echocardiography

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FRI-PP04-130 Indoxyl Sulfate Levels Predict Recurrences after Catheter Ablation of Atrial Fibrillation

Fumi Yamagami, Kazuko Tajiri, Kosuke Doki, Kenji Kuroki, Hiro Yamasaki, Miyako Igarashi, Nobuyuki Murakoshi, Yukio Sekiguchi, Masato Homma, Kazutaka Aonuma, Akihiko Nogami, Masaki Ieda, University of Tsukuba (Japan), Naohiko Takahashi, Oita University (Japan)

FRI-PP04-131 Catheter Ablation for Atrial Fibrillation Improves Renal Function

Takuya Mayumi, Yoichiro Nakagawa, Naomi Kanamori, Satoru Hiromasa, Maqsaiko Kashimoto, Chieko Kato, Takahiro Saeki, Satoru Sakagami, National Hospital Organization Kanazawa Medical Center (Japan)

FRI-PP04-132 Central Blood Pressure Assessment in AF

Kashif Khokhar, Dennis Lau, Rajiv Mahajan, Dian Munawar, Adrian Elliott, Ricardo Mishima, Judith Harrington, Suzzane Edward, Dominik Linz, Kadhim Kadhim, Anand Thiyagarajah, Mehrdad Emami, Michael Stokes, Celine Gallagher, Melissa Middeldorp, Prash Sanders, Royal Adelaide Hospital, University of Adelaide (Australia), Martin Stiles, Waikato Hospital Hamilton (New Zealand)

FRI-PP04-133 Anticoagulant Therapy after PCI for Patients with Acute Coronary Syndrome and Atrial Fibrillation

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FRI-PP04-134 Catheter Ablation of Atrial Fibrillation Reduces Heart Failure Re-Hospitalization in Heart Failure with Preserved Ejection Fraction Patients

Tomomi Tanino, Akira Fukui, Kei Hirota, Tetsuji Shinohara, Naohiko Takahashi, Oita University (Japan), Takanori Yamaguchi, Saga University (Japan)

FRI-PP04-135 Effectiveness of Simple Pulmonary Vein Isolation using Cryoballoon Ablation in Patients with Persistent Atrial Fibrillation

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FRI-PP04-136 Five-Year Changes of Renal Function after Catheter Ablation for Atrial Fibrillation

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FRI-PP04-137 Atrial Electrical Remodelling Occurs with Recovery of Ventricular Function Following Successful Ablation for AF Mediated Cardiomyopathy: A Camera MRI Prospective Follow up Study

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FRI-PP04-138 High-Sensitivity C-Reactive Protein is Elevated in Patients with a Predisposition to Atrial Fibrillation Recurrence after Pulmonary Vein Isolation

Tomoyuki Arai, Rintaro Hojo, Kohei Kawajiri, Sho Tanabe, Yasuki Koyano, Sayuri Tokioka, Daisuke Miyahara, Marina Arai, Dai Inagaki, Tomonori Miyabe, Satoshi Miyazawa, Iwanari Kawamura, Seiji Fukamizu, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Tokyo Metropolitan Health and Hospitals Corporation Ohkubo Hospital (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University Hospital Faculty of Medicine (Japan)

FRI-PP04-139 Durable Pulmonary Vein Isolation can Contribute to Improvements in Quality of Life in Atrial Fibrillation Patients

Dai Inagaki, Seiji Fukamizu, Tomoyuki Arai, Kohei Kawajiri, Sho Tanabe, Yasuki Koyano, Sayuri Tokioka, Daisuke Miyahara, Marina Arai, Tomonori Miyabe, Satoshi Miyazawa, Iwanari Kawamura, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Tokyo Metropolitan Health and Hospitals Corporation Ohkubo Hospital (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University Hospital Faculty of Medicine (Japan)

FRI-PP04-140 Depression Prevalence and BDI Changes before and after Cardioversion or Radiofrequency Ablation in Patients Hospitalized for the Procedures with Persistent Atrial Fibrillation

Sunhwa Kim, Young Choi, Sung-hwan Kim, Youn Seog Oh, Seoul Saint Mary's Hospital, The Catholic University of Korea

(South Korea), Ju Youn Kim, Uijeongbu St. Mary's Hospital, The Catholic University of Korea (South Korea), Yoo Ri Kim, Incheon Saint Mary's Hospital, The Catholic University of Korea (South Korea), Tae-Seok Kim, Daejeon Saint Mary's Hospital, The Catholic University of Korea (South Korea), Youmi Hwang, St. Vincent's Hospital, The Catholic University of Korea (South Korea), Sung-Won Jang, St. Tai-Ho Rho, Paul's Hospital, The Catholic University of Korea (South Korea), Man Young Lee, Yeouido Saint Mary's Hospital, The Catholic University of Korea (South Korea)

FRI-PP04-141 When is it Appropriate to Stop Non-Vitamin K Antagonist Oral Anticoagulant before Catheter Ablation for Atrial Fibrillation? A Multi-Center Prospective Randomized Study

Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine (South Korea), Jaemin Shim, Young-Hoon Kim, Korea University Cardiovascular Center (South Korea), Junbeom Park, Ewha Womans University (South Korea)

FRI-PP04-142 Predictors of Ejection Fraction Improvement with Catheter Ablation of Atrial Fibrillation in Patients with Reduced Ejection Fraction

Akira Mizukami, Shinichi Tachibana, Jiro Hiroki, Shunsuke Kuroda, Tatsuya Hayashi, Akihiko Matsumura, Kameda Medical Center (Japan)

FRI-PP04-143 Comparison of Low Voltage Zone Ablation and Complete Linear Ablation Against Persistent Atrial Fibrillation

Noriyuki Suzuki, Toyota Kosei Hospital (Japan)

FRI-PP04-144 Impact of the Timing for Recurrence after Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

Akihiro Komasa, Satoshi Shizuta, Munekazu Tanaka, Takanori Aizawa, Shintaro Yamagami, Takashi Yoshizawa, Takeshi Kimura, Kyoto University Hospital (Japan)

FRI-PP04-145 Analysis of Pulmonary Vein Anatomies and its Influence on Procedural Difficulty in Cryoballoon Ablation

Jinxuan Lin, Guodong Niu, Tianjie Feng, Ni Suo, Gang Chen, Lihui Zheng, Yan Yao, Shu Zhang, Fu Wai Hospital and Cardiovascular Institute, CAMS and PUMC (China)

FRI-PP04-146 Left Atrial Strain Rates and its Effect in AF Outcomes Following Electrical Cardioversion

Rajat Sharma, Fortis Hospital (India), Ashita Sharma, Adesh Medical College and Hospital (India)

FRI-PP04-147 Current Trend of Antithrombotic Therapy in Atrial Fibrillation Patients with Age Over 80: A Prospective Analysis of 6,275 Patients in Korea

Yun Gi Kim, Suk-Kyu Oh, Kwang-No Lee, Jaemin Shim, Jong-Il Choi, Young-Hoon Kim, Korea University Anam Hospital (South Korea), Boyoung Joung, Yonsei University Health System (South Korea)

FRI-PP04-148 Body Mass Index Variability and Long-Term Risk of Death, Stroke and Bleeding in the Atrial Fibrillation: A Korean Nationwide Cohort Study

Jeong-Ha Ha, Tae-Hoon Kim, Hee Tae Yu, Jae-Sun Uhm, Jong Youn Kim, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Sevrance Hospital (South Korea), Pil-Sung Yang, CHA Bundang Medical Center (South Korea)

FRI-PP04-149 Touch-Up Ablation a Second-Generation Cryoballoon Ablation in Paroxysmal Atrial Fibrillation: Which Energy Source is Better, Cryoablation or Radiofrequency Ablation?

Kazuya Yamao, Hitoshi Hachiya, Miyako Igarashi, Shigeki Kusa, Yuichi Hanaki, Yoshikazu Sato, Satoshi Hara, Yoshito Iesaka, Tsuchiura Kyodo Hospital (Japan)

FRI-PP04-150 Comparison of Atrial Fibrillation Ablation in the Young Versus that in the Elderly

Yuhi Fujimoto, Kenji Yodogawa, Masato Hachisuka, Rei Mimuro, Yujin Maru, Eiichiro Oka, Hiroshi Hayashi, Teppei Yamamoto,

FRI-PP04-151 Prolonged QTc Interval is Associated with High CHADS₂/CHA₂DS₂-VASC Scores and Indicates prior Stroke among Atrial Fibrillation Patients

Kyeong-Hyeon Chun, Hee Tae Yu, Tea-Hoon Kim, Jae Sun Uhm, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University Health System (South Korea)

FRI-PP04-152 Does Co-Existing Atrial Tachycardia or Flutter Affect the Rhythm Outcome of Persistent Atrial Fibrillation after Catheter Ablation

Kyeong-Hyeon Chun, Hee Tae Yu, Tea-Hoon Kim, Jae Sun Uhm, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University Health System (South Korea)

FRI-PP04-153 Risk Prediction Model for Rhythm Outcome after Catheter Ablation of Atrial Fibrillation: Assessment by Pre-Procedural and Post-Procedural Parameters

Moo-Nyun Jin, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University Health System (South Korea)

FRI-PP04-154 Atrial Fibrillation Catheter Ablation Improves Cognitive Function, Especially in Patients With Impaired Cognitive Function: Three Month and One Year Serial Changes in Neurocognitive Outcome

Moo-Nyun Jin, Tae-Hoon Kim, Hee Tae Yu, Jae-Sun Uhm, Boyoung Joung, Moon-Hyoung Lee, Yonsei University Health System (South Korea), Ki-Woon kang, Eulji University Hospital (South Korea), Eosu Kim, Institute of Behavioral Science in Medicine, Yonsei University (South Korea)

FRI-PP04-155 Refining Stroke Risk by using Biomarkers in ⁺Low-Risk⁻ Atrial Fibrillation Patients: Derivation of ABCD Score

Seung Yong Shin, Chung-Ang University Hospital (South Korea), Do Young Kim, Hong Euy Lim, Korea University Guro Hospital (South Korea), Jin-Seok Kim, Jaemin Shim, Korea University Ansan Hospital (South Korea), Sungil Im, Kosin University Gospel Hospital (South Korea), Jinhee Ahn, Pusan National University Hospital (South Korea), Eun Mi Lee, Wonkwang University Sanbon Hospital (South Korea), Yae Min Park, Gachon University Gil Hospital (South Korea), Jun-Hyung Kim, Chungnam National University Hospital (South Korea), Gregory Y.H Lip, University of Birmingham (United Kingdom)

FRI-PP04-156 Prevalence and Determinants of Atrial Fibrillation in Reduced, Middle-Ranged and Preserved Ejection Fraction Heart Failure

Chung-Lieh Hung, Cheng-Huang Su, Tze-Fan Chao, Sheng-Shiung Chang, Hung-I Yeh, Mackay Memorial Hospital (Taiwan)

FRI-PP04-157 Severe Sleep Apnea is Associated with Spontaneous Echo Contrast Among Patients with Atrial Fibrillation

Do Young Kim, Ki Young Boo, Van Dang Nguyen, Yorn Uy, Yun Gi Kim, Suk-Kyu Oh, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Jong-Il Choi, Young-Hoon Kim, Korea University Anam Hospital (South Korea)

FRI-PP04-158 Simplified Warfarin Dosing Formula to Guide Initiating Dose in Thai Patients

Natnicha Pongbangli, Wanwarang Wongcharoen, Arintaya Phrommintikul, Maharaj Chiang Mai (Thailand)

FRI-PP04-159 Renal Function and Risk of Stroke and Bleeding in Patients Undergoing Catheter Ablation for Atrial Fibrillation: Comparison between Uninterrupted Direct Oral Anticoagulants and Warfarin Administration

Satoshi Yanagisawa, Yasuya Inden, Aya Fujii, Yusuke Sakamoto, Hiroya Okamoto, Keita Mamiya, Toshiro Tomomatsu, Rei Shibata, Toyoaki Murohara, Nagoya University Graduate School of Medicine (Japan)

FRI-PP04-160 Dual Versus Single Antiplatelet Therapy in Combination with Antithrombotic Therapy in Patients with

Atrial Fibrillation Undergoing Percutaneous Coronary Intervention with Stent Implantation: A Meta-Analysis

Jlanqing She, First Affiliated Hospital of Medical College, Xi'an Jiaotong University (China)

FRI-PP04-161 Comparison of Ischemic Stroke Risk in Atrial Fibrillation Patients with or without Myocardial Infarction: A Propensity Score Matched Study

Gwang-Seok Yoon, Seong-Huan Choi, Yong-Soo Baek, Kyu-Yong Ko, Jin-Hee Park, Dae-Young Kim, Sung-Woo Kwon, Sang-Don Park, Sung-Hee Shin, Seong-Ill Woo, Dae-Hyeok Kim, Jun Kwan, Inha University College of Medicine (South Korea)

FRI-PP04-162 Frailty is an Independent Risk Factor of Bleeding Regarding Anticoagulant Therapy in Atrial Fibrillation Patients with Heart Failure

Masayuki Ohta, Kentaro Hayashi, Hiroyuki Sato, Yoshikazu Kato, Takahiro Doi, Mitsugu Hirokami, Satoshi Yuda, Teine Keijinkai Hospital (Japan)

FRI-PP04-163 The 1 Year Clinical Outcome of Rivaroxaban Compared to Warfarin in Patients with Nonvalvular Atrial Fibrillation: Real World Data from a Single Center Database

Hyung Ki Jeong, Ki Hong Lee, Min Chul Kim, Nuri Lee, Ju Min Won, Dae Yong Hyun, Sung Sik Oh, Yong Cheol Kim, Hyuk Jin Park, Jae Yeoong Cho, Doo Sun Sim, Hyun Joo Yoon, Nam Sik Yoon, Kye Hun Kim, Young Joon Hong, Hyung Wook Park, Ju Han Kim, Young Keun Ahn, Myung Ho Jeong, Jong Chun Park, Jeong Gwan Cho, Chonnam National University Hospital (South Korea)

FRI-PP04-164 Safety and Efficacy of Low Dose Dabigatran for Patients with Atrial Fibrillation Underwent Catheter Ablation

Jun Hirogami, Kenji Ando, Kenichi Hiroshima, Michio Nagashima, Masato Fukunaga, Jyunji Morita, Shota Tohoku, Takahiro Iseda, Kokura Memorial Hospital (Japan)

FRI-PP04-165 Minimally Interrupted Direct Oral Anticoagulants as a Periprocedural Anticoagulation Policy and its Effect on the Intensity of Anticoagulation During Atrial Fibrillation Ablation

Masahiro Mizobuchi, Atsushi Funatsu, Tomoko Kobayashi, Shigaru Nakamura, Kyoto-Katsura Hospital (Japan)

FRI-PP04-166 Comparison of Serious Adverse Events in Very Elderly Asian Atrial Fibrillation Patients with or without Anticoagulation Therapy: Direct Oral Anticoagulants vs. Warfarin vs. Non-Anticoagulants

Ai Sakamoto, Keisuke Okawa, Masahiko Takahashi, Ryu Tsushima, Satoshi Taya, Keisuke Yamamoto, Masahiro Sogo, Satoko Ugawa, Tomoaki Okada, Kazumasa Nosaka, Kousuke Sakane, Masayuki Doi, Kagawa Prefectural Central Hospital (Japan)

FRI-PP04-167 Efficacy and Safety of Oral Flecainide in Acute Conversion of AF Followed by Short Term Prophylactic Therapy in Patients Undergoing Successful PBMV for Rheumatic Mitral Stenosis

Vijay Bohra, Army Hospital Research and Referral (India), Rajnish Juneja, Ambuj Roy, Gautam Sharma, Nitish Naik, S Ramakrishnan, Neeraj Parakh, All India Institute of Medical Sciences (India)

FRI-PP04-168 Differences in Intraprocedural Heparin Dosage and ACTs during Atrial Fibrillation Ablation between Patients Treated with Dabigatran vs. Interrupted DOACs

Ryota Isogai, Sreiiichiro Matsuo, Hidenori Sato, Shin-ichi Tanigawa, Shingo Seki, Kenichi Sugimoto, The Jikei University School of Medicine Katsushika Medical Center (Japan), Eri Okajima, Hirotsuna Oseto, Hirotsugu Ikewaki, Masaaki Yokoyama, Kenichi Tokutake, Kenichi Yokoyama, Mika Kato, Seigo Yamashita, Michifumi Tokuda, Teiichi Yamane, Michihiro Yoshimura, The Jikei University School of Medicine (Japan)

FRI-PP04-169 The Neglected Stroke Risk of the First Diagnosed Atrial Fibrillation in Patients with Acute Heart Failure

Kichun Kim, Il-young Oh, Young-jin Cho, Jin-Joo Park, Dong-Ju Choi, Seoul National University Bundang Hospital (South Korea)

FRI-PP04-170 **Non-Vitamin K Antagonist Oral Anticoagulant Dosing in Patients with Atrial Fibrillation According to Renal Function: A Comparison Study of Drugs for Symptom Control and Complication Prevention of Atrial Fibrillation (Code-AF) Registry**

Jeong-Ha Ha, Jae-Sun Uhm, Tae-Hoon Kim, Boyoung Joung, Severance Cardiovascular Hospital (South Korea), Myung-Jin Cha, Eue-Keun Choi, Seoul National University Hospital (South Korea), Jung-Myung Lee, Jin-Bae Kim, Kyung Hee University Hospital (South Korea), Junbeom Park, Ewha Womans University (South Korea), Jin-Kyu Park, Hanyang University Seoul Hospital (South Korea), Ki-Woon Kang, Eulji University Hospital (South Korea), Jaemin Shim, Korea University Medical Center (South Korea), Jun Kim, Asan Medical Center (South Korea), Hyung Wook Park, Chonnam National University Hospital, (South Korea), Chang-Soo Kim, Yonsei University College of Medicine (South Korea), Young Soo Lee, Daegu Catholic University Medical Center (South Korea)

FRI-PP04-171 **1 Year Renal Outcome of Rivaroxaban Compared to Warfarin in Patients with Non-Valvular AF: Real World Data from a Single Center Database**

Hyung Ki Jeong, Ki Hong Lee, Nuri Lee, Nam Sik Yoon, Hyung Wook Park, Jeong Gwan Cho, Chonnam National University Hospital (South Korea)

FRI-PP04-172 **Different Thromboembolic Outcomes between Statin-Related and Statin-Unrelated Diabetes Mellitus in Patients with Atrial Fibrillation**

Inki Moon, Myung-Jin Cha, Eue-Keun Choi, Seil Oh, Seoul National University Hospital (South Korea), Si-Hyuck Kang, Sun-Hwa Kim, Il-Young Oh, Chang-Hwan Yoon, Tae-Jin Youn, In-Ho Chae, Youngjin Cho, Seoul National University Bundang Hospital (South Korea), Ji Hyun Lee, Wonju Severance Christian Hospital (South Korea), Woo-Hyun Lim, Seoul National University Boramae Medical Center (South Korea)

FRI-PP04-173 **Direct Oral Anticoagulants Versus Warfarin in Non-Valvular Atrial Fibrillation: A Retrospective Single Centre Study in Southeast Asia on Safety and Efficacy**

Yong Chuan Tan, Wen Jun Tiew, Vivien Li Xin Wong, Elena Lee, Vern Hsen Tan, Changi General Hospital (Singapore)

FRI-PP04-174 **Real World Outcomes of Anticoagulant Prescription in Anticoagulant Naive Octogenarian Patients with Non-Valvular Atrial Fibrillation**

Chang-Hee Kwon, Konkuk University Medical Center (South Korea)

FRI-PP04-175 **Clinical Impact of Non-Cardiac Surgery Precipitating Atrial Fibrillation (Secondary Atrial Fibrillation): A Systematic Review of Randomized Trials**

Sunil Thomas Mathew, Department of Veterans Affairs Medical Center - Oklahoma City (United States), Maiwand Mirwais, Aneesh Pakala, University of Oklahoma - HSC (United States)

FRI-PP04-176 **Effectiveness and Safety of Low Dose of Direct Oral Anticoagulant in Real-World Practice of Asia**

Kwang-No Lee, Jong-Il Choi, Van Dang Nguyen, Yorn Uy, Do Young Kim, Ki Yung Boo, Hee-Soon Park, Yun Gi Kim, Suk-Kyu Oh, Jaemin Shim, Shee Juhn Jung, Sam Soo Kim, Young-Hoon Kim, Korea University Medical Center Anam Hospital (South Korea), Seung-Young Roh, Dongguk University Medical Center (South Korea), Dae In Lee, Chungbuk National University Hospital (South Korea)

FRI-PP04-177 **The Safety and Efficacy of Oral Anticoagulants in Patients Atrial Fibrillation and Hypertrophic Cardiomyopathy**

Youngjun Park, Seong Soo Lee, Hye Bin Gwag, June Soo Kim, Seung-Jung Park, Kyoungn Min Park, Young Keun On, Samsung Medical Center (South Korea)

FRI-PP04-178 **The Same-TT₂R₂ Score Predicts Quality of Warfarin Therapy in Thai Population with Non-Valvular Atrial**

Fibrillation

Orathai Kulpornphan, Warangkna Boonyapisit, Faculty of Medicine Siriraj Hospital (Thailand)

FRI-PP04-180 **Cardiovascular, Bleeding, and Mortality Risks in Elderly Patients Treated with Non-Vitamin K Antagonist or Warfarin for Nonvalvular Atrial Fibrillation: A Comparison Study of Drugs for Symptom Control and Complication Prevention of Atrial Fibrillation (Code-AF)**

Han-Joon Bae, Hee Tae Yu, Tae-Hoon Kim, Jaesun Uhm, Boyoung Joung, Yonsei Hospital (South Korea), Young Soo Lee, Daegu Catholic University Medical Center (South Korea), Jun Kim, Eue-Keun Choi, Changsoo Kim, University of Ulsan College of Medicine (South Korea), Junbeom Park, Ewha Womans University (South Korea), Ki-Woon Kang, Eulji University Hospital (South Korea), Hyung Wook Park, Chonnam National University Hospital (South Korea), Jin-Bae Kim, Seoul National University Hospital (South Korea)

FRI-PP04-181 **Efficacy and Safety Outcomes of Non-Vitamin K Antagonist Oral Anticoagulants in Patients with Atrial Fibrillation on Amiodarone or Polypharmacy: Systematic Review and Meta Analysis**

In-Soo Kim, Moo-Nyun Jin, Han-Jun Bae, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Jong-Youn Kim, Boyoung Joung, Moon-Hyoung Lee, Hui-Nam Pak, Yonsei University College of Medicine (South Korea), Hyun-Jung Kim, Institute for Evidence-based Medicine (South Korea)

FRI-PP04-182 **Outcomes of Non-Vitamin K Antagonist Oral Anticoagulants in Patients with Mitral Stenosis**

Ju-Youn Kim, Uijeongbu St. Mary's Hospital (South Korea), Sung-Hwan Kim, Young Choi, Yong-Seog Oh, Seoul St. Mary's Hospital (South Korea), Yoo Ri Kim, Incheon St. Mary's Hospital (South Korea), Tae-Seok Kim, Daejeon St. Mary's Hospital (South Korea), Ji-Hoon Kim, St. Vincent's Hospital (South Korea), Sung-Won Jang, Tai-Ho Rho, St. Paul's Hospital (South Korea), Man Young Lee, Yeouido St. Mary's Hospital (South Korea)

FRI-PP04-183 **Impact of Visit-To-Visit Variability of Serum Creatinine on Clinical Outcomes in Patients with Atrial Fibrillation with Non-Vitamin K Antagonist Oral Anticoagulants**

Soonil Kwon, Eue-Keun Choi, Inki Moon, Euijae Lee, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea)

FRI-PP04-184 **Ibutilide for Acute Cardioversion of Rheumatic Atrial Fibrillation**

Bharatraj Banavalikar, Jayaprakash Shenthara, Deepak Padmanabhan, Javed Parvez, Sanjai Pattu Valappil, Sinam Inouton Singh, Sri Jayadeva Institute of Cardiovascular Sciences and Research (India)

FRI-PP04-185 **Comparison of Thromboembolic Event According to Type of Heart Failure in Patients with Atrial Fibrillation: An Analysis of Comparison of Drug Efficacy in Atrial Fibrillation (Code-AF) Registry**

Suk-kyu Oh, Jaemin Shim, Boyoung Joung, Korea University Medical Center (South Korea), Mindong Sung, Tae-Hoon Kim, Jae-Sun Uhm, Changsoo Kim, Yonsei University College of Medicine (South Korea), Myung-Jin Cha, Eue-Keun Choi, Seoul National University Hospital (South Korea), Junbeom Park, Ewha Womans University College of Medicine (South Korea), Jin-Kyu Park, Hanyang University College of Medicine (South Korea), Jung-Myung Lee, Jin-Bae Kim, Kyung Hee University Medical College (South Korea), Ki-Woon Kang, Eulgi University Hospital (South Korea), Jun Kim, University of Ulsan College of Medicine (South Korea), Hyung Wook Park, Chonnam National University Medical School (South Korea), Young Soo Lee, Catholic University of Daegu (South Korea)

FRI-PP04-187 **Incessant Type of Wide QRS Tachycardia due to Intoxication of Sodium Channel Blockers for Atrial Fibrillation**

Hidemori Hayashi, Masataka Sumiyoshi, Yuki Kimura, Haruna Tabuchi, Gaku Sekita, Takashi Tokano, Yuji Nakazato, Hiroyuki Daida, Juntendo University School of Medicine (Japan)

FRI-PP04-188 **Non-Vitamin K Oral Anticoagulants Versus Warfarin in Patients with Atrial Fibrillation and Valvular Heart Disease: A Nationwide Population Based Study**

Inki Moon, Eue-Keun Choi, Euijae Lee, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea), So-Ryoung Lee, Soon Chun Hyang University Hospital (South Korea), Jin-Hyung Jung, Kyung-Do Han, The Catholic University of Korea (South Korea)

FRI-PP04-189 Effectiveness and Safety of Edoxaban Versus Warfarin in Asian Patients with Non-Valvular Atrial Fibrillation: The First Real-World Data of Edoxaban

So-Ryoung Lee, Soon Chun Hyang University Hospital (South Korea), Eue-Keun Choi, Seil Oh, Seoul National University Hospital (South Korea), Kyung-Do Han, Jin-Hyung Jung, Catholic University of Korea (South Korea), Gregory Y H Lip, University of Birmingham, University of Liverpool (United Kingdom)

FRI-PP04-190 Effectiveness and Safety of Non-Vitamin K Antagonist Oral Anticoagulants in Patients with Atrial Fibrillation and Liver Disease: A Nationwide Population-Based Study

HyunJung Lee, Eue-Keun Choi, Myung-Jin Cha, Seil Oh, Seoul National University Hospital (South Korea), So-Ryoung Lee, Soonchunhyang University Seoul Hospital (South Korea), Kyung-Do Han, Jin-Hyung Jung, The Catholic University of Korea (South Korea)

FRI-PP04-191 Clinical Characteristics and Outcomes in Severely Underweight Patients with Atrial Fibrillation: The Comparison Study of Drugs for Symptom Control and Complication Prevention of Atrial Fibrillation (Code-AF) Registry

Han-Joon Bae, Tae-Hoon Kim, Jae-Sun Uhm, Boyoung Joung, Yonsei Hospital (South Korea), Jun Kim, University of Ulsan College of Medicine (South Korea), Junbeom Park, Kyung Hee University Hospital (South Korea), Ki-Woon Kang, Hanyang University Seoul Hospital (South Korea), Hyung Wook Park, Chonnam National University Hospital, Chonnam National University School of Medicine (South Korea), Young Soo Lee, Daegu Catholic University Medical (South Korea)

FRI-PP04-192 Difference of Current Practice in the Management Among Atrial Fibrillation Patients with Heart Failure with Preserved, Mid-Range and Reduced Ejection Fraction: Analysis of a Multicenter Registry (Comparison Study of Drugs for Symptom Control and Complication Prevention of Atrial Fibrillation; Code-AF Registry)

Yong-Soo Baek, Dae-Hyeok Kim, Inha University Hospital (South Korea), Jung-Myung Lee, Kyung Hee University (South Korea), Tae-Hoon Kim, Boyoung Joung, Yonsei University College of Medicine (South Korea), Myung-Jin Cha, Eue-Keun Choi, Seoul National University (South Korea), Junbeom Park, Ehwa Women's University (South Korea), Jin-Kyu Park, Han Yang University (South Korea), Ki-Woon Kang, Ulji University (South Korea), Jaemin Shim, Korea University College of Medicine and Korea University Medical Center (South Korea), Jun Kim, Asan Medical Center (South Korea), Hyung Wook Park, Jeonnam National University (South Korea), Young Soo Lee, Daegu Catholic Medical Center (South Korea)

FRI-PP04-193 Predictor of Improvement of Cardiac Function in Patients with Atrial Fibrillation with Rapid Ventricular Response

Ki Yung Boo, Jong-Il Choi, Do Young Kim, Suk-Kyu Oh, Yun Gi Kim, Hee-Soon Park, Kwang-No Lee, Jaemin Shim, Young-Hoon Kim, Korea University College of Medicine and Korea University Medical Center (South Korea)

FRI-PP04-194 Stroke Prevention and Bleeding Risk Assessment by Anticoagulant Use in Atrial Fibrillation Patients with Hematologic Malignancy

Seo-Young Lee, Myung-Jin Cha, Jiesuck Park, You-jung Choi, Euijae Lee, Inki Moon, Soong Kwak, Soonil Kwon, Seokhun Yang, Eue-Keun Choi, Seil Oh, Seoul National University Hospital (South Korea)

FRI-PP04-195 Clinical Impact of Tachycardia-Dependency Versus Bradycardia-Dependency in Patients with Atrial Fibrillation According to Age

Seong-huan Choi, Yong-soo Baek, Jinhee Park, Gwang-seok Yoon, Kyu-yong Ko, Dae Young Kim, Sang-Don Park, Sung-Woo Kwon, Sung-Hee Shin, Seong-Ill Woo, Dae-Hyeok Kim, Jun Kwan, Inha University (South Korea)

FRI-PP04-196 Prothrombin Activation Fragment 1 and 2 as an Useful Diagnostic Marker for Insufficiency of the Factor

Xa Inhibitor Therapy

Eiichi Ueno, Kosuke Fujibayashi, Kouji Kajinami, Kanazawa Medical University (Japan)

FRI-PP04-197 **Clinical Impact of Adherence to Non-Vitamin K Antagonist Oral Anticoagulants in Real-World Patients with Atrial Fibrillation: Nationwide Cohort Data Covering the Entire Korean Population**

Daehoon Kim, Eunsun Jang, Tae-Hoon Kim, Hee Tae Yu, Jae-Sun Uhm, Jong-Youn Kim, Hui-Nam Pak, Moon-Hyoung Lee, Boyoung Joung, Yonsei University College of Medicine (South Korea), Pil-Sung Yang, Jung-Hoon Sung, CHA Bundang Medical Center (South Korea), Gregory Lip, University of Birmingham (United Kingdom)

FRI-PP04-198 **Effectiveness and Safety of Rivaroxaban 20 mg and 15 mg Compared with Warfarin in Asian Patients with Non-Valvular Atrial Fibrillation and Normal Renal Function: A Nationwide Cohort Study**

So-Ryoung Lee, Soon Chun Hyang University Hospital Seoul (South Korea), Eue-Keun Choi, Seil Oh, Seoul National University Hospital (South Korea), Kyung-Do Han, Jin-Hyung Jung, Catholic University of Korea (South Korea), Gregory Y H Lip, University of Birmingham, University of Liverpool (United Kingdom)

FRI-PP04-199 **Effectiveness and Safety of Non-Vitamin K Antagonists in Atrial Fibrillation Patients with Previous Stroke History**

Myung-Jin Cha, Eue-Keun Choi, Inki Moon, Euijae Lee, Seil Oh, Seoul National University Hospital (South Korea)

FRI-PP04-201 **Effectiveness and Safety of Dabigatran, Rivaroxaban, and Apixaban Versus Warfarin in Non-Valvular Atrial Fibrillation: A Nationwide Population-Based Study in Korea**

Yoo Jung Park, Young Keun On, Samsung Medical Center, Sungkyunkwan University School of Medicine (South Korea), Myung Yong Lee, Dankook University (South Korea), Sung Won Jang, St. Paul's Hospital, The Catholic University of Korea (South Korea), Seongwook Han, Dongsan Hospital, Keimyung University School of Medicine-Daegu-Korea (South Korea), Sola Han, Hae Sun Suh, Pusan National University (South Korea), Mi Mi Won, Yoo Jung Park, Ji Soo Shin, Seongsik Kang, Pfizer Korea (Korea South Korea), Young Hoon Kim, Anam Hospital, Korea University (South Korea)

FRI-PP04-202 **Effectiveness and Safety of Non-Vitamin K Antagonist Oral Anticoagulants in Patients with Non-Valvular Atrial Fibrillation: A Nationwide Population-Based Study in Korea**

Seongwook Han, Dongsan Hospital, Keimyung University School of Medicine (South Korea), Oh Young Bang, Young Keun On, Samsung Medical Center, Sungkyunkwan University School of Medicine (South Korea), Myung Yong Lee, Dankook University (South Korea), Sung Won Jang, St. Paul's Hospital, The Catholic University of Korea (South Korea), Sola Han, Hae Sun Suh, Pusan National University (South Korea), Mi Mi Won, Yoo Jung Park, Ji Soo Shin, Seongsik Kang, Pfizer Korea (South Korea), Young Hoon Kim, Anam Hospital, Korea University (South Korea)

FRI-PP04-203 **Long-term Use of Antiarrhythmic Drug before Ablation Associated with AF Recurrence**

Shuichi Kazawa, Tokyo Medical University Hospital (Japan)

FRI-PP04-204 **Comparative Effects of Apixaban and Warfarin in Japanese and Western Patients**

Ying X Gue, Nikolaos Spinthakis, East and North Hertfordshire NHS Trust (United Kingdom), Nobukata Inoue, Asumi Takei, Hiroyuki Takahara, Kazunori Otsui, Kobe Rosai Hospital (Japan), Junichiro Yamamoto, Kobe Gakuin University (Japan), Diana A Gorog, National Heart and Lung Institute (United Kingdom)

FRI-PP04-205 **Platelet Reactivity, Clot Formation and Fibrinolysis with Oral Antithrombotic Agents**

Ying X Gue, Nikolaos Spinthakis, Mohamed Farag, East and North Hertfordshire NHS Trust (United Kingdom), Gregory Y. H. Lip, University of Birmingham (United Kingdom), David Wellsted, University of Hertfordshire (United Kingdom), Diana A Gorog, National Heart and Lung Institute, Imperial College (United Kingdom)

FRI-PP04-206 **Prevalence of Real World NOACs Safety and Efficacy in Non Valvular AF Patients: a Single Center Study**

Thitisan Luengsupaboon, Arisara Suwanagool, Faculty of Medicine Siriraj Hospital (Thailand)

FRI-PP04-207 **Device-Detected Role of Ivabradine in Ventricular Rate Control of Persistent Atrial Fibrillation**

Yap-Hang Chan, Jo Jo Hai, Hung-Fat Tse, Queen Mary Hospital (Hong Kong)

Oct. 19

Basic and Translational Medicine 12: Insight into Inflammation and Arrhythmia: Mast Cell in the Pathogenesis of AF

Date: Oct-20 | Time: 08:30-10:10

Room: 101A, 1F, TICC

- Moderators: Kit Chan (Hong Kong), Wei-Shiang Lin (Taiwan), Koji Higuchi (Japan)
- SAT-101A-1-1 **Role of Mast Cell in the Pathogenesis of Hyperglycemia-Induced AF**
Naohiko Takahashi (Japan)
- SAT-101A-1-2 **Role of Cardiac Mast Cell in the Genesis of AF in the Pressure Overload Mouse Hearts**
Issei Komuro (Japan)
- SAT-101A-1-3 **Regional Difference of Immune Cell Distribution in Atrial Myocardium Between Patients with AF or Sinus Rhythm**
Josef Kautzner (Czech Republic)
- SAT-101A-1-4 **Mast Cell Activation Disease: A Possible Basis for Disturbances of Autonomic Nervous System Function**
David G. Benditt (United States)

Exercise and Athletes 02: Other Arrhythmias in Athletes

Date: Oct-20 | Time: 08:30-10:10

Room: 101B, 1F, TICC

- Moderators: Arthur A. M. Wilde (Netherlands), Mark S Link (United States), Miwa Miyoshi (Japan)
- SAT-101B-1-1 **Exercise for the Prevention and Management of AF**
Adrian D Elliott (Australia)
- SAT-101B-1-2 **Exercise Recommendation in Patients with Preexcitation Syndrome**
Man-Chun Choi (Hong Kong)
- SAT-101B-1-3 **Bradycardia in Athletes: How Low is Too Slow**
Raymond Sy (Australia)
- SAT-101B-1-4 **Exercise in Patients with Inherited Arrhythmias**
Yongkeun Cho (South Korea)

Gap Junction 02: Gap Junction and Arrhythmogenesis

Date: Oct-20 | Time: 08:30-10:10

Room: 101C, 1F, TICC

- Moderators: Dale W. Laird (Canada), Hsiang-Chun Lee (Taiwan), Hung-I Yeh (Taiwan)
- SAT-101C-1-1 **Interaction Between Sodium Channel Complexes and Connexin 43 Gap Junctions in Cardiac Conduction**
Robert G. Gourdie (United States)
- SAT-101C-1-2 **Atrial Conduction Defects Caused by a Connexin 45 Mutation**
Naomasa Makita (Japan)
- SAT-101C-1-3 **Remodeling of Cx43 Gap Junctions in Alcoholic Cardiomyopathy**
Chung-Lieh Hung (Taiwan)
- SAT-101C-1-4 **Effects of Gap Junction Modifiers on the Electrical Activities of the Sinoatrial Node and PV**
Chien-Jung Chang (Taiwan)
- SAT-101C-1-5 **AF-Linked GJA5/Connexin 40 Mutants Impaired Gap Junctions via Different Mechanisms**
Donglin Bai (Canada)

Genetics 05: Genomics-Based Therapies for Inherited Arrhythmia

Date: Oct-20 | Time: 08:30-10:10

Room: 101D, 1F, TICC

Moderators:	Eddy Kizana (Australia), Shien-Fong Lin (Taiwan), Yen-Yu Lu (Taiwan)
SAT-101D-1-1	Novel Therapy in Inherited Arrhythmia Syndrome Takeshi Aiba (Japan)
SAT-101D-1-2	Novel Drug and Gene Therapy of Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT) Xander Wehrens (United States)
SAT-101D-1-3	Optogenetic Defibrillation Shien-Fong Lin (Taiwan)
SAT-101D-1-4	Gene Therapy for Cardiac Arrhythmias Tetsuo Sasano (Japan)

VT/VF 18: Hemodynamic Assists and Electrical Storm in Ablation

Date: Oct-20 | Time: 08:30-10:10

Room: 102, 1F, TICC

Moderators:	Meleze Hocini (France), Chun Hwang (United States), Kuan-Hung Yeh (Taiwan)
SAT-102-1-1	VT Ablation in Electrical Storm Josef Kautzner (Czech Republic)
SAT-102-1-2	Untolerated VT and Catheter Ablation: Hemodynamic Support to the Hypotensive Rhythm or to the Failing Heart Paolo Della Bella (Italy)
SAT-102-1-3	Safety and Outcomes of VT Ablation in Patients with Severe HF Wendy S. Tzou (United States)
SAT-102-1-4	VT Storm in Ischemic Heart Disease B. Hygriv Rao (India)

HF 11: How to Deal with Arrhythmia-Induced Cardiomyopathy?

Date: Oct-20 | Time: 08:30-10:10

Room: 103, 1F, TICC

Moderators:	M. Khalilullah (India), Rahul Singhal (India), Bih-Fang Guo (Taiwan), Wen-Ter Lai (Taiwan)
SAT-103-1-1	What Kind of PVC Causes Low EF? Hiroshi Tada (Japan)
SAT-103-1-2	AF and Diastolic HF: A Challenging Disease Samuel Levy (France)
SAT-103-1-3	Anti-Arrhythmia Drugs in AF Patients Associated with HF Khin Maung Win (Myanmar)
SAT-103-1-4	HF in Patients with Arrhythmogenic RV Cardiomyopathy: What are the Risk Factors? Kazuhiro Satomi (Japan)
SAT-103-1-5	How to Manage Tachycardia Mediated Cardiomyopathy Edward Gerstenfeld (United States)

Special Session 03: Gender in Heart Rhythm Disorder

Date: Oct-20 | Time: 08:30-10:10

Room: 201A, 2F, TICC

Moderators:	Johannes Brachmann (Germany), Norishige Morita (Japan), Melissa Middeldorp (Australia)
SAT-201A-1-1	Gender Differences in Risk Factors of AF Wen-Chin Tsai (Taiwan)
SAT-201A-1-2	Gender-Related Difference in Management of AF-Asian Perspective Jung Myung Lee (South Korea)
SAT-201A-1-3	Gender Differences in the Efficacy and Outcome of AF Ablation: Insights from the Kansai Plus AF (KPAF) Registry

SAT-201A-1-4 **Koichi Inoue** (Japan)
AF in Women: Moving Beyond Stroke Prevention
Christine Albert (United States)

AF 19: Life Quality Improvement: You Should Never Forget

Date: Oct-20 | Time: 08:30-10:10

Room: 201BC, 2F, TICC

Moderators: **Ulhas M. Pandurangi** (India), **Kikuya Uno** (Japan), **Jin-Long Huang** (Taiwan)
SAT-201BC-1-1 **Clinical Benefit of Catheter Ablation for Asymptomatic Long-Standing AF**
Keiji Inoue (Japan)
SAT-201BC-1-2 **The Impact of AF on Quality of Life - How to Improve it?**
Beny Hartono (Indonesia)
SAT-201BC-1-3 **The Evaluation and Improvement of Quality of Life after Catheter Ablation of AF**
Po-Ching Chi (Taiwan)
SAT-201BC-1-4 **Prognostic Significance of Subclinical AF**
Michael R Gold (United States)
SAT-201BC-1-5 **Stroke Prevention in AF: How to Balance Efficacy, Safety and Quality of Life**
Marcellus Francis Ramirez (Philippines)

AF 20: Complications Related to Ablation: What to Do When Disaster Happens

Date: Oct-20 | Time: 08:30-10:10

Room: 201DE, 2F, TICC

Moderators: **James P. Daubert** (United States), **Yan Yao** (China), **Masahiro Esato** (Japan), **Shoei K. Stephen Huang** (United States)
SAT-201DE-1-1 **Neuropsychological Sequelae after AF Ablation**
Caroline Medi (Australia)
SAT-201DE-1-2 **Predictors of Pericardial Effusion During and Immediately**
Yuji Murakawa (Japan)
SAT-201DE-1-3 **Reducing Radiation Exposure**
Logan Kanagaratnam (Australia)
SAT-201DE-1-4 **Safety in Cryoballoon AF Ablation**
Suresh Singarayar (Australia)
SAT-201DE-1-5 **Stiff LA Syndrome as Complication after Radiofrequency Catheter Ablation**
Qiming Liu (China)
SAT-201DE-1-6 **Stroke Prevention during and after Ablation in Patients at High Stroke Risk**
Chenyang Jiang (China)
SAT-201DE-1-7 **Clinical and Procedural Predictors of Early Complications of Ablation for AF: Analysis of the National Registry Data**
Koichiro Kumagai (Japan)
Panel Discussion

Non-Invasive ECG 06: Can't-Miss Life-Threatening ECG Challenge

Date: Oct-20 | Time: 08:30-10:10

Room: 201F, 2F, TICC

Moderators: **Sunny Po** (United States), **Kazuaki Kaitani** (Japan), **Ming-Shien Wen** (Taiwan)
SAT-201F-1-1 **ECG in Hypothermia**
Yukio Hosaka (Japan)
SAT-201F-1-2 **Cardiac Sympathetic Denervation**
Ardian Rizal (Indonesia)

SAT-201F-1-3	Mechanical Supportive Device Yoshio Kosakai (Japan)
SAT-201F-1-4	Electrolyte Imbalance Ajay Naik (India)
SAT-201F-1-5	Long-term ECG Monitoring on Life-threatening Arrhythmia Relating to Cerebral Infarction Toshiya Kurotobi (Japan)
SAT-201F-1-6	Novel Cardiac Intervention (Appendage Occlusion, Mitral Clip) Surinder Kaur Khelae (Malaysia)

Guidelines 01: Overview of the Syncope Guideline

Date: Oct-20 | Time: 08:30-10:10

Room: 202, 2F, TICC

Moderators:	Yoshimasa Murakami (Japan), Warangkna Boonyapisit (Thailand), Shih-Lin Chang (Taiwan)
SAT-202-1-1	Highlights from the ACC/AHA/HRS Syncope Guidelines David G. Benditt (United States)
SAT-202-1-2	Highlights from the ESC Syncope Guidelines Angel Moya (Spain)
SAT-202-1-3	The Role of Device Therapy in the Management of Vasovagal Syncope Chu-Pak Lau (Hong Kong)
SAT-202-1-4	New Aspects of Tilting Table Testing Richard Sutton (Monaco)
SAT-202-1-5	Is Pacing Therapy Necessary for Ictal Syncope? Haruhiko Abe (Japan)

Device 27: Patient Selection for Primary Prevention: What We Should Know

Date: Oct-20 | Time: 08:30-10:10

Room: 203, 2F, TICC

Moderators:	Cathy TF Lam (Hong Kong), Kathy Lai Fun Lee (Hong Kong), Hideyuki Hasebe (Japan)
SAT-203-1-1	Primary Prevention of SCD in Brugada Syndrome Patients Satchana Pumprueg (Thailand)
SAT-203-1-2	Primary Prevention for Sudden Death Kengo Kusano (Japan)
SAT-203-1-3	Primary Prevention in Patients with Ejection Fraction of 40% - 45% After 40-Day Acute Myocardial Infarction Ki Hong Lee (South Korea)
SAT-203-1-4	What Was the DANISH Trial Tell Us? Lars Køber (Denmark)
SAT-203-1-5	How to Individualize Primary ICD Decision for Non-Ischemic Cardiomyopathy Katsunori Okajima (Japan)
SAT-203-1-6	Arrhythmias in Cardiac Sarcoidosis: When to Use ICD Davendra Mehta (United States)

Device 28: Optimal Treatment of Electric Storm: Clinical Data and New Concepts

Date: Oct-20 | Time: 08:30-10:10

Room: South Lounge, 3F, TICC

Moderators:	T. S. Kler (India), Alexander Edo Tondas (Indonesia), Spencer Heald (New Zealand)
SAT-SL-1-1	Clinical Characteristics and Treatment of Electrical Storm in Ischemic Heart Disease Yoshinori Kobayashi (Japan)
SAT-SL-1-2	Clinical Impact of Electric Storm After ICD/CRT-D Implantation - Incidence, Risk Factors, and Management

	Takashi Noda (Japan)
SAT-SL-1-3	Multiple Ablation Approaches Supplemented by Hybrid Treatment to Stop VT Storm in ICD Patients
	Minglong Chen (China)
SAT-SL-1-4	How to Reduce the Risk of VT in ICD Patients
	Wojciech Zareba (United States)
SAT-SL-1-5	How to Program in Competitive Athletes with ICD
	David Whalley (Australia)

Device 29: Cardiac Remodeling and Outcome After CRT

Date: Oct-20 | Time: 08:30-10:10

Room: North Lounge, 3F, TICC

Moderators:	Jian-Ming Li (United States), Hiroya Mizuno (Japan), Chih-Ping Hsia (Taiwan)
SAT-NL-1-1	CRT 20 Years: Past, Now, Controversies and Future
	Balbir Singh (India)
SAT-NL-1-2	Role of CRT in HF Substrates
	Robert Denniss (Australia)
SAT-NL-1-3	Electrical Remodeling Following CRT Implantation
	Ajit Kumar Valaparambil (India)
SAT-NL-1-4	Impact of Left Ventricular Scarring on the CRT Response
	Itsuro Morishima (Japan)
SAT-NL-1-5	Influence of Left Axis Deviation in HF Patients with Narrow QRS on the Benefit of Mortality from CRT
	Kazumasa Adachi (Japan)

Smart Healthcare 05: Genetics

Date: Oct-20 | Time: 08:30-10:10

Room: Banquet Hall, 3F, TICC

Moderators:	Jamie Vandenberg (Australia), Yoshiyasu Aizawa (Japan), Yu-Feng Hu (Taiwan)
SAT-BH-1-1	Genotype-Specific Management in LQTS
	Wojciech Zareba (United States)
SAT-BH-1-2	Genotype-Phenotype Correlation in LQTS/ Brugada Syndrome/ J Wave Syndrome
	Wataru Shimizu (Japan)
SAT-BH-1-3	Brugada Syndrome: Risk Stratification/ Mechanism/ Genetics
	Sunu Budhi Raharjo (Indonesia)
SAT-BH-1-4	Clinical and Genetic Features of Inherited Arrhythmias that Predispose to SCD in Korean
	Jong-Il Choi (South Korea)

Allied Professionals 09: Comprehensive AF Program

Date: Oct-20 | Time: 08:30-10:10

Room: Conference 1, 2F, TWTC

Moderators:	Jeroen Hendriks (Australia), Chunja Yoo (South Korea), Yi-Lan Kuo (Taiwan), Tuan Viet Tran (Vietnam)
SAT-C1-1-1	Mechanisms and Pathophysiology of AF
	Kee-Joon Choi (South Korea)
SAT-C1-1-2	AF Invasive Treatment: Indication
	Simon Salim (Indonesia)
SAT-C1-1-3	Integrated Care for Patients with AF (in Line with Novel Recommendations European Society of Cardiology Guidelines)
	Jeroen Hendriks (Australia)
SAT-C1-1-4	AF Ablation Strategies and Outcome
	Kentaro Hayashi (Japan)

- SAT-C1-1-5 **Indication of Surgical AF Therapy, Which Disease and Procedure**
Taijiro Sueda (Japan)
- SAT-C1-1-6 **Stroke Prevention: Pharmacology, Ablation or Occulder**
Montawatt Amnueypol (Thailand)

Case Sharing 01: My Tough Experience of AF Ablation

Date: Oct-20 | Time: 08:30-10:10

Room: Conference 2, 2F, TWTC

- Moderators: Satoshi Higa (Japan), Van Buu Dan Do (Vietnam), Jiunn-Cherng Lin (Taiwan)
- SAT-C2-1-1 **My Tough Cryoablation Case**
Sugako Ishigaki (Japan)
- SAT-C2-1-2 **My Oldest AF Ablation Case**
Montawatt Amnueypol (Thailand)
- SAT-C2-1-3 **The Challenge of Low Voltage Ablation for Persistent AF**
Keiichi Ashikaga (Japan)
- SAT-C2-1-4 **My Ablation Strategy for Persistent AF**
Keisuke Okawa (Japan)
- SAT-C2-1-5 **Torsade de Pointes After AF Ablation**
Yae Min Park (South Korea)

Joint Session 06: APHRS-The Endocrine Society and Diabetes Association (ROC) Joint Session: Metabolic Disorder and Cardiac Arrhythmia

Date: Oct-20 | Time: 08:30-10:10

Room: Conference 3, 2F, TWTC

- Moderators: San-Jou Yeh (Taiwan), Dicky Armein Hanafy (Indonesia), Kazuo Matsumoto (Japan), Yi-Jen Chen (Taiwan)
- SAT-C3-1-1 **Opening Remarks**
Fen-Yu Tseng (Taiwan)
- SAT-C3-1-2 **Optimal DM Control in Heart Rhythm Disorder**
Ting-I Lee (Taiwan)
- SAT-C3-1-3 **Analysis of Heart Rate Dynamics in Patients with Hyperthyroidism**
Jin-Long Chen (Taiwan)
- SAT-C3-1-4 **The Effects of Obesity and Results of Weight Loss on the Atrial Arrhythmia Burden: Role of Obstructive Sleep Apnea**
Hany Dimitri (Australia)
- SAT-C3-1-5 **Obesity and AF**
Christopher X. Wong (Australia)
- SAT-C3-1-6 **Closing Remarks**
Prash Sanders (Australia)

Pediatrics 05: Complex Issues in SCD in Children

Date: Oct-20 | Time: 08:30-10:10

Room: Conference 5, 2F, TWTC

- Moderators: Christian Turner (Australia), Aya Miyazaki (Japan), Jun Yoshimoto (Japan)
- SAT-C5-1-1 **SCD in Pediatric Cardiomyopathy**
He Jiang (China)
- SAT-C5-1-2 **Risk Stratification of SCD in Congenital Heart Disease**
Aya Miyazaki (Japan)
- SAT-C5-1-3 **SCD in Pediatric Channelopathy**
Jun Yoshimoto (Japan)

- SAT-C5-1-4 **Management of Sudden Death Risk in Child and the Young Adult**
Christian Turner (Australia)
- SAT-C5-1-5 **Role of Exercise in Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT)**
Naokata Sumitomo (Japan)

SCD 05: The Controversies About the Prevention of SCD

Date: Oct-20 | Time: 08:30-10:10

Room: Joy Lounge, 4F, TICC

- Moderators: Nikolaos Dagres (Germany), Takashi Kurita (Japan), Ta-Chuan Tuan (Taiwan)
- SAT-JL-1-1 **Should We Implant ICD for Primary Prevention Among Patients with Non-Ischemic Cardiomyopathy?**
Yong-Mei Cha (United States)
- SAT-JL-1-2 **Efforts to Improve Survival after Out-Of-Hospital Sudden Cardiac Arrest in Japan**
Hideo Mitamura (Japan)
- SAT-JL-1-3 **Should ICDs for Primary Prevention be Replaced at the Time of Battery Depletion if the Ejection Fraction Is Now >40%?**
David Cannom (United States)
- SAT-JL-1-4 **How Should We Respond to ICD Therapy?**
Satchana Pumprueg (Thailand)
- SAT-JL-1-5 **Insight from SCD Resuscitation Program**
Wen-Jone Chen (Taiwan)

Learning from the Experts and Legends 06

Date: Oct-20 | Time: 08:30-10:10

Room: Plenary Hall, 3F, TICC

- Moderators: Kyoko Soejima (Japan), Martin Stiles (New Zealand), Jiunn-Lee Lin (Taiwan)
- SAT-PH-1-1 **Consensus Statement: Optimal ICD Programming and Testing**
Wei Hua (China)
- SAT-PH-1-2 **Screening for Unrecognized AF**
Emelia Benjamin (United States)
- SAT-PH-1-3 **E-health and M-health: The Future of Arrhythmia Management?**
Gerhard Hindricks (Germany)

Cross-Strait Chinese Session 07: 心房心律不整的精準醫療：如何成功地治療您的病患

Date: Oct-20 | Time: 08:30-10:10

Room: VIP, 4F, TICC

- Moderators: 牛國棟 Guodong Niu, 蔡適吉 Su-Kiat Chua, 李必昌 Pi-Chang Lee, 吳家棟 Chia-Tung Wu
- SAT-VIP-1-1 **陣發性心房顫動合併長 RR 間歇的處理：消融？起搏？**
顧凱 Kai Gu
- SAT-VIP-1-2 **心房纖維顫動治療：電燒與冷凍之應用**
牛國棟 Guodong Niu
- SAT-VIP-1-3 **伴永存左上腔靜脈的陣發性室上速的射頻消融**
程寬 Kuan Cheng
- SAT-VIP-1-4 **先天性心臟病心房心律不整的電燒治療**
邱舜南 Shuenn-Nan Chiu
- SAT-VIP-1-5 **如何處理房顫消融時的併發症**
李學斌 Xuebin Li
- SAT-VIP-1-6 **冠狀竇在複雜房速中的作用**
周冬辰 Dongchen Zhou

Chaired Poster 05: Clinical Research in Ventricular Arrhythmias

Date: Oct-20 | Time: 10:00-11:00

Room: Chaired Poster Station, 1F, TWTC

Moderators: **Mark Perrin** (Australia), **Wanwarang Wongcharoen** (Thailand), **Chi-Tai Kuo** (Taiwan)

SAT-CP05-01 **Outcome of Ventricular Tachycardia Ablation in an Asian Population: A Descriptive Study**

Jit Beng Ng, Myo Han, Wee Siong Teo, Boon Yew Tan, Daniel Chong, Kah Leng Ho, Eric Lim, Paul Lim, Kelvin Chua, Chi Keong Ching, National Heart Centre Singapore (Singapore)

SAT-CP05-02 **Unique Clinical Characteristic and Risk Stratification of Female Brugada Syndrome: SADS-TW BRS Registry**

Ching-Yu Julius Chen, Lian-Yu Lin, Yen-Bin Liu, Li-Ting Ho, Chih-Chien Yu, Hui-Chun Huang, Ting-Tse Lin, Ming-Chun Liao, Jien-Jiun Chen, Ling-Ping Lai, Juey-Jen Hwang, Wen-Jone Chen, Shih-Fan Sherri Yeh, Jyh-Ming Jimmy Juang, National Taiwan University Hospital (Taiwan), Dun-Hui Yang, Tainan Municipal Hospital (Taiwan), Fu-Tien Chiang, Fu Jen Catholic University Hospital (Taiwan), Jiunn-Lee Lin, Taipei Medical University Hospital (Taiwan)

SAT-CP05-03 **Impact of Bipolar Configuration on the Distribution of Lavas**

Masateru Takigawa, Ruairidh Martin, Takeshi Kitamura, Konstantinos Vlachos, Felix Bourier, Anna Lam, Josselin Duchateau, Nicolas Klotz, Thomas Pambrun, Arnaud Denis, Nicolas Derval, Frederic Sacher, Meleze Hocini, Hubert Cochet, Michel Haissaguerre, Pierre Jais, Hôpital Cardiologique Haut Lévêque, Lyrice institute, Université de Bordeaux (France), Jatin Relan, Steven Kim, Abbott (United States)

SAT-CP05-04 **A Novel CACNA1C Mutation (R860Q) in a Family Presented with QT Prolongation and Mild Mental Retardation Without Timothy Syndrome Phenotypes**

Lisheng Lin, Takashi Murakami, Rena Fuchino, Yoshihiro Nozaki, Junko Shiono, Ibaraki Children's Hospital (Japan), Nobuyuki Murakoshi, Hitoshi Horigome, University of Tsukuba (Japan)

SAT-CP05-05 **Characteristic and Outcomes of Patients with Primary Cardiac Electrical Disease: A Multicenter Study from Thailand**

Satchana Pumprueg, Siriraj Hospital Mahidol University (Thailand), Tomon Thongsri, Buddhachinaraj Hospital (Thailand), Suwit Khlangpremchit, Pranangkla Hospital (Thailand)

SAT-CP05-06 **A Novel Application of QRS Dispersion with Surface ECG to Identify the Patients Experiencing Sudden Cardiac Death or Electric Storms**

Cheng-I Wu, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Chin-Yu Lin, Ting-Yung Chang, Tze-Fan Chao, Fa-Po Chung, Jo-Nan Liao, Ta-Chuan Tuan, Chih-Min Liu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

Basic and Translational Medicine 13: Inflammation and Sepsis in AF: Molecular Interactions and Novel Strategies

Date: Oct-20 | Time: 10:30-12:10

Room: 101A, 1F, TICC

Moderators: **Peter Brønnum Nielsen** (Denmark), **Hitoshi Ichiki** (Japan), **Jin-Kyu Park** (South Korea)

SAT-101A-2-1 **Inflammation and Incidence of AF**

Jin-Kyu Park (South Korea)

SAT-101A-2-2 **The Role of the NLRP3 Inflammasome in AF**

Dobromir Tzankov Dobrev (Germany)

SAT-101A-2-3 **Incidence, Predictors, and Outcomes of New-Onset AF in Patients with Sepsis**

Emelia Benjamin (United States)

SAT-101A-2-4 **Practice Patterns and Outcomes Associated with Use of Anticoagulation Among Patients with AF During Sepsis**

Masatsugu Ohe (Japan)

VT/VF 19: SCD in Athletes: Diagnosis, Management and Risk Stratification

Date: Oct-20 | Time: 10:30-12:10

Room: 101B, 1F, TICC

Moderators: **Giulio Conte** (Italy), **Naokata Sumitomo** (Japan), **Lian-Yu Lin** (Taiwan)

SAT-101B-2-1 **Regular Exercise and Sudden Cardiac Arrest**

Young-Ah Park (South Korea)

SAT-101B-2-2 **Significance of PVCs During Treadmill Test**

Jae-Jin Kwak (South Korea)

SAT-101B-2-3 **SCD in the Athlete: Mechanism and Clinical Presentation**

Mark S Link (United States)

SAT-101B-2-4 **ECG Findings in Athletes**

Nazar Luqman (Brunei)

SAT-101B-2-5 **Exercise in Patients with ARVC: Insight into Ablation**

Chin-Yu Lin (Taiwan)

Basic and Translational Medicine 14: Novel Targets of Arrhythmogenesis

Date: Oct-20 | Time: 10:30-12:10

Room: 101C, 1F, TICC

Moderators: **Jamie Vandenberg** (Australia), **Katsushige Ono** (Japan), **Yuji Shiba** (Japan)

SAT-101C-2-1 **New Therapies in Inherited Arrhythmia Syndromes**

Arthur A. M. Wilde (Netherlands)

SAT-101C-2-2 **Late Sodium Current and Ischemic Ventricular Arrhythmia**

Haruo Honjo (Japan)

SAT-101C-2-3 **Gap Junction Modulation and Arrhythmogenesis**

Gary Tse (Hong Kong)

SAT-101C-2-4 **Roles of MicroRNA in AF**

Katsushige Ono (Japan)

Genetics 06: Great Debate: Precision Medicine: Hope or Overhyped?

Date: Oct-20 | Time: 10:30-12:10

Room: 101D, 1F, TICC

Moderators: **Jose Angel Cabrera** (Spain), **Xander Wehrens** (United States), **Yoshinori Yoshida** (Japan)

SAT-101D-2-1 **Pro: Next Generation Sequencing: Ready for Precision Medicine?**

Chris Semsarian (Australia)

SAT-101D-2-2 **Con: Next Generation Sequencing: Ready for Precision Medicine?**

Michael Ackerman (United States)

SAT-101D-2-3 **Pro: Induced Pluripotent Stem Cell - Derived Cardiomyocytes: A New Hope for Precision Medicine?**

Huei-Sheng Vincent Chen (United States)

SAT-101D-2-4 **Con: Induced Pluripotent Stem Cell - Derived Cardiomyocytes: Ready for Precision Medicine?**

Bjorn Knollmann (United States)

VT/VF 20: State of Art in Mapping and Novel Ablation

Date: Oct-20 | Time: 10:30-12:10

Room: 102, 1F, TICC

Moderators: **Henry H. Hsia** (United States), **Ajay Naik** (India), **Takashi Kurita** (Japan)

SAT-102-2-1 **Venous Mapping and Ethanol Ablation of VT**

Miguel Valderrabano (United States)

SAT-102-2-2 **Catheter Ablation of VT - State of the Art**

Kalyanam Shivkumar (United States)

SAT-102-2-3 **New Technique and Technologies in VT Ablation**

Henry H. Hsia (United States)

SAT-102-2-4 **Factors that Influence Voltage and Activation Mapping: Insights from the Experimental and Clinical Electrophysiological Laboratory**
Cory M. Tschabrunn (United States)

HF 12: Grand Debate: Shaping Your Care

Date: Oct-20 | Time: 10:30-12:10

Room: 103, 1F, TICC

Moderators: Vincent Paul (Australia), Iain Melton (New Zealand), David Foo (Singapore)

SAT-103-2-1 **Pro (MitraClip first): Mitral Regurgitation and LBBB: What Comes First, CRT or MitraClip?**
Shih-Hsien Sung (Taiwan)

SAT-103-2-2 **Pro (CRT first): Mitral Regurgitation and LBBB: What Comes First, CRT or MitraClip?**
Pipin Kojodjojo (Singapore)

SAT-103-2-3 **Pro: All Patients with AF and HF Should Be Referred for AF Ablation**
Nassir Marrouche (United States)

SAT-103-2-4 **Con: All Patients with AF and HF Should Be Referred for AF Ablation**
Wee Siong Teo (Singapore)

SAT-103-2-5 **Pro (His Pacing better): His Bundle Pacing or CRT - Which Is Better for HFrEF with CLBBB**
Vincent R. Deen (Australia)

SAT-103-2-6 **Con (His Pacing better) and Pro (CRT better): His Bundle Pacing or CRT-Which is Better for HFrEF with CLBBB**
Vern Tan (Singapore)

Joint Session 07: APHRS-Gulf Heart Rhythm Society Joint Session: Optimal Treatment of AF

Date: Oct-20 | Time: 10:30-12:10

Room: 201A, 2F, TICC

Moderators: Seongwook Han (South Korea), Kazuhiro Satomi (Japan), Chen-Chuan Cheng (Taiwan)

SAT-201A-2-1 **Opening Remarks**

Najib Al Rawahi (Oman)

SAT-201A-2-2 **The Role C-Reactive Protein and Risk of AF**

Chang Hee Kwon (South Korea)

SAT-201A-2-3 **Relationship Between LA Size and AF Development**

Najib Al Rawahi (Oman)

SAT-201A-2-4 **The Role of Surgical Ablation in AF Management**

Yosuke Ishii (Japan)

SAT-201A-2-5 **The Role of Catheter Ablation in Long-Standing Persistent AF**

Adel Khalifa Sultan Hamad (Bahrain)

SAT-201A-2-6 **Closing Remarks**

Masayasu Hiraoka (Japan)

AF 21: Beyond Anti-Arrhythmic Agents in The Treatment of AF

Date: Oct-20 | Time: 10:30-12:10

Room: 201BC, 2F, TICC

Moderators: Isabelle Van Gelder (Netherlands), John N Hill (Australia), Wen-Ter Lai (Taiwan)

SAT-201BC-2-1 **New Drug Targets for AF Prevention**

Isabelle Van Gelder (Netherlands)

SAT-201BC-2-2 **The Improvement of Cardiac Functions and AF Burden with Body Weight Reduction**

Rajiv Mahajan (Australia)

SAT-201BC-2-3 **Neuromodulation to Treat AF**

Sunny Po (United States)

SAT-201BC-2-4 **Influenza Infection, Vaccination and Risk of New-Onset AF**
Ting-Yung Chang (Taiwan)

AF 22: What is the Best Strategy to Identify Rotational Activities (Different Approach!)

Date: Oct-20 | Time: 10:30-12:10

Room: 201DE, 2F, TICC

Moderators: Sanjiv M. Narayan (United States), Kunihiko Kiuchi (Japan), Yoshinori Kobayashi (Japan)

SAT-201DE-2-1 **FIRM Guided Approach in Identification of AF Rotors**

Sanjiv M. Narayan (United States)

SAT-201DE-2-2 **Body Surface ECG Mapping of AF Rotor in Persistent AF Patients**

Meleze Hocini (France)

SAT-201DE-2-3 **Cartofinder and Star Mapping for Dynamic Mapping of AF**

Richard Schilling (United Kingdom)

SAT-201DE-2-4 **Rotor Activation Identified during AF by Non-Contact Mapping**

Hiroshige Yamabe (Japan)

SAT-201DE-2-5 **AF Ablation (Spatiotemporal Electrogram Dispersion Combined with CFAE Ablation)**

Naoya Oketani (Japan)

SAT-201DE-2-6 **Phase Mapping and Periodicity to Identify the Drivers**

Yenn-Jiang Lin (Taiwan)

SAT-201DE-2-7 **Real Time Mapping of AF Rotors**

Takashi Ashihara (Japan)

Panel Discussion

Non-Invasive ECG 07: Challenging ECG Run, Part I

Date: Oct-20 | Time: 10:30-12:10

Room: 201F, 2F, TICC

Moderators: San-Jou Yeh (Taiwan), Xunzhang Wang (United States), Shoei K. Stephen Huang (United States)

SAT-201F-2-1 **Interactive ECGs**

Yash Lokhandwala (India)

SAT-201F-2-2 **Outflow Tract Ectopy**

Dean Boddington (New Zealand)

SAT-201F-2-3 **ECGs from Singapore**

Eric Tien Siang Lim (Singapore)

SAT-201F-2-4 **A Near Missing AVNRT**

Ming-Chih Lin (Taiwan)

SAT-201F-2-5 **Interesting ECG: Wide and Narrow**

Nwe Nwe (Myanmar)

SAT-201F-2-6 **ECG Surprises**

Sofian Johar (Brunei)

Guidelines 02: AF: Comparisons in Different Countries and Populations

Date: Oct-20 | Time: 10:30-12:10

Room: 202, 2F, TICC

Moderators: Antonio Raviele (Italy), Lin Yee Chen (United States), Kwo-Chang Ueng (Taiwan)

SAT-202-2-1 **2017 APHRS Consensus Document on Stroke Prevention in AF**

Chern-En Chiang (Taiwan)

SAT-202-2-2 **EHRA/HRS/APHRS/LAHS Expert Consensus on Arrhythmias and Cognitive Function: What is the Best Practice?**

Nikolaos Dagres (Germany)

- SAT-202-2-3 **2016 ESC AF Guidelines – What is the Evolution from 2012 and What Should be Anticipated in 2018?**
Robert Hatala (Slovakia)
- SAT-202-2-4 **JHRS AF Guideline - Do We Need a Different INR Range for Asians?**
Hiroshi Inoue (Japan)

Device 30: Gender and Guideline Issues in ICD and CRT Therapy

Date: Oct-20 | Time: 10:30-12:10

Room: 203, 2F, TICC

- Moderators: **Werner Jung** (Germany), **Yoshihisa Abe** (Japan), **Chi-Woon Kong** (Taiwan)
- SAT-203-2-1 **The Gender Differences in ICD Therapy**
Wojciech Zareba (United States)
- SAT-203-2-2 **Differential Effects of CRT in Women**
Yong-Mei Cha (United States)
- SAT-203-2-3 **Cardiac MRI Scar Patterns Differ by Sex in an ICD and CRT Cohort**
Takeshi Sasaki (Japan)
- SAT-203-2-4 **Myocardial Scar Burden Predicts Survival Benefit with ICD in Patients with Severe Ischemic Cardiomyopathy: Influence of Gender**
Yoshihisa Abe (Japan)
- SAT-203-2-5 **Indications for Cardiac Resynchronization Therapy: A Comparison of the Major International Guidelines**
Kenneth Dickstein (Norway)

Device 31: Innovative Implants for HF Patients

Date: Oct-20 | Time: 10:30-12:10

Room: South Lounge, 3F, TICC

- Moderators: **Igor Efimov** (United States), **Ashish Nabar** (India), **Ta-Chuan Tuan** (Taiwan)
- SAT-SL-2-1 **Detection of Occult HF Using Electrocardiographic Markers**
Sumeet S. Chugh (United States)
- SAT-SL-2-2 **His Bundle Pacing: Alternative or Adjunct to Cardiac Resynchronization Therapy**
Pugazhendhi Vijayaraman (United States)
- SAT-SL-2-3 **Left Ventricular Assist Device Therapy in Advanced HF**
David Sim (Singapore)
- SAT-SL-2-4 **Current Status of Implantable Device Therapy in HF**
Dejia Huang (China)
- SAT-SL-2-5 **New Left Ventricular Lead Technologies**
Fayez Bokhari (Saudi Arabia)

Device 32: Special Considerations in Device Implantations

Date: Oct-20 | Time: 10:30-12:10

Room: North Lounge, 3F, TICC

- Moderators: **Sum Kin Leung** (Hong Kong), **Ryusuke Kimura** (Japan), **Michael-Joseph Agbayani** (Philippines)
- SAT-NL-2-1 **Exercise in the Device Population: What Should We Prescribe and What Can We Learn?**
Adrian D Elliott (Australia)
- SAT-NL-2-2 **CIEDs Lead Implantation in End-Stage Renal Disease Patients on Hemodialysis**
Woo-Hyun Lim (South Korea)
- SAT-NL-2-3 **Device Implantation in the Era of NOACs**
Gopal Sivagangabalan (Australia)
- SAT-NL-2-4 **Pacing Therapy for Improvement of Symptoms in HOCM Patients**
Kazuo Matsumoto (Japan)
- SAT-NL-2-5 **Reuse of Pacemakers and Defibrillators: Current Practice in the Regions of Asia-Pacific**
Robert Lemery (Canada)

Smart Healthcare 06: I-Device in Precision Medicine

Date: Oct-20 | Time: 10:30-12:10

Room: Banquet Hall, 3F, TICC

Moderators: **Christine Chiu-Man** (Canada), **Kieran Dauber** (Australia), **Ming-Shien Wen** (Taiwan)

SAT-BH-2-1 **Standardization of Ambulatory ECG Monitoring: What Should We Do?**

Niraj Varma (United States)

SAT-BH-2-2 **Latest and Future Technologies in Cardiac Rhythm Device**

Morio Shoda (Japan)

SAT-BH-2-3 **AF Monitoring via an External Loop Recorder**

Yoshiyuki Hama (Japan)

SAT-BH-2-4 **Disease Management Using Remote Monitoring of CIED**

Toshiyuki Ishikawa (Japan)

SAT-BH-2-5 **Clinical Trends in Device Management: Remote Patient Management**

Karl Stoklosa (Singapore)

Allied Professionals 10: Clinical Management of Ventricular Arrhythmia

Date: Oct-20 | Time: 10:30-12:10

Room: Conference 1, 2F, TWTC

Moderators: **Apichai Khongphatthanayothin** (Thailand), **Shinya Yamada** (Japan), **Dicky Armein Hanafy** (Indonesia), **Chia-Tung Wu** (Taiwan)

SAT-C1-2-1 **PVCs Risk Stratification**

Masahiko Goya (Japan)

SAT-C1-2-2 **The Physiologists Role in VT Ablation**

Troy Watts (Australia)

SAT-C1-2-3 **Catheter Ablation of VT**

Rahul Singhal (India)

SAT-C1-2-4 **Ventricular Arrhythmia: Epicardial Approach**

Tachapong Ngarmukos (Thailand)

SAT-C1-2-5 **End point of Catheter Ablation in Patient with Ventricular Arrhythmia**

Seiji Fukamizu (Japan)

SAT-C1-2-6 **PVC Ablation Strategy**

Tuan Viet Tran (Vietnam)

Nursing Care in Heart Rhythm 01: Modern Concept of Arrhythmia Care Coordination

Date: Oct-20 | Time: 10:30-12:10

Room: Conference 2, 2F, TWTC

Moderators: **Aidila Binte Ismail** (Singapore), **Iyan Solihin** (Indonesia), **Ling Fu Shaw** (Taiwan)

SAT-C2-2-1 **The Transformative Power of Understanding and Trust in AF Care**

Mellanie True Hills (United States)

SAT-C2-2-2 **The Growing Burden of Hospitalisations Due to AF – What Is the Role of the Nurse?**

Celine Gallagher (Australia)

SAT-C2-2-3 **Radiation Injury in Cath Lab**

Chi-Hu Tsai (Taiwan)

SAT-C2-2-4 **Circulatory Support Systems in the Management of Arrhythmias**

Hsin-Yi Lin (Taiwan)

SAT-C2-2-5 **Slow Fast AVNRT: The Mechanism and Ablation**

Iyan Solihin (Indonesia)

Syncope 04: Elucidating the Complexity of Syncope: Collaborative Medicine in EP and Neuroscience

Date: Oct-20 | Time: 10:30-12:10

Room: Conference 3, 2F, TWTC

- Moderators: **Davendra Mehta** (United States), **I. Eli Ovsyshcher** (Israel), **Robert Denniss** (Australia)
- SAT-C3-2-1 **Current Status of Ambulatory ECG Monitoring Technology Selection for Diagnosis of Syncope and Collapse**
David G. Benditt (United States)
- SAT-C3-2-2 **Seizure-like Activities during Tilt-Induced Syncope**
June Soo Kim (South Korea)
- SAT-C3-2-3 **Post Stroke Cardiac Rhythms: How to Evaluate and Manage it?**
Aamir Hameed Khan (Pakistan)
- SAT-C3-2-4 **Interaction Between Brain and Heart After Syncope: Chicken or Egg?**
Haruhiko Abe (Japan)
- SAT-C3-2-5 **Syncope: What Does the Tilt Table Testing Tell Us?**
Li-Chi Hsu (Taiwan)

Pediatrics 06: The Set-up of Pediatric EP Services in APHRS

Date: Oct-20 | Time: 10:30-12:10

Room: Conference 5, 2F, TWTC

- Moderators: **Edward P Walsh** (United States), **Chandara Mam** (Cambodia), **Mei-Hwan Wu** (Taiwan)
- Panelists: **Andreas Pflaumer** (Australia), **Aya Miyazaki** (Japan), **Xiaomei Li** (China), **Pi-Chang Lee** (Taiwan)
- SAT-C5-2-1 **Current Status of Pediatric EP in Cambodia**
MengSan Chea (Cambodia)
- SAT-C5-2-2 **Present Status of Pediatric Arrhythmia Service in Sri Lanka**
Susitha Amarasinghe (Sri Lanka)
- SAT-C5-2-3 **Update on Pediatric Catheter Ablation in Thailand**
Supaluck Kanjanauthai (Thailand)
- SAT-C5-2-4 **Challenges in Setting-up a Pediatric EP Facility in India**
Atul Prabhu (India)

SCD 06: SCD in Specific Conditions: Risk Assessment and Prevention

Date: Oct-20 | Time: 10:30-12:10

Room: Joy Lounge, 4F, TICC

- Moderators: **Jiangang Zou** (China), **Priya Chockalingam** (India), **Yukiko Nakano** (Japan)
- SAT-JL-2-1 **Update on Mechanisms Underlying the Brugada Syndrome**
Charles Antzelevitch (United States)
- SAT-JL-2-2 **SCD in Chronic Kidney Disease**
Michael Wong (Australia)
- SAT-JL-2-3 **Environmental Factors for SCD**
Abigail Louise D. Te (Philippines)
- SAT-JL-2-4 **SCD in the Young Asian: Should We Think Coronary or Non-Coronary First?**
Priya Chockalingam (India)
- SAT-JL-2-5 **How to Prevent SCD in Survivors of Takotsubo Cardiomyopathy Related Cardiac Arrest?**
Hung-Yu Chang (Taiwan)

Learning from the Experts and Legends 07

Date: Oct-20 | Time: 10:30-12:10

Room: Plenary Hall, 3F, TICC

- Moderators: **Yoshito Iesaka** (Japan), **Yong Seog Oh** (South Korea), **Yi-Jen Chen** (Taiwan)
- SAT-PH-2-1 **Effects and Side Effects of Neuromodulation**
Peng-Sheng Chen (United States)

- SAT-PH-2-2 **The Roles of Macrophage in Cardiac Conduction and Metabolism**
Issei Komuro (Japan)
- SAT-PH-2-3 **The Ventricular Conduction System: Development and Disease**
Glenn I. Fishman (United States)

Cross-Strait Chinese Session 08: 心室心律不整的難題與應變

Date: Oct-20 | Time: 10:30-12:10

Room: VIP, 4F, TICC

- Moderators: 江河 He Jiang, 馮文楷 Man-Cai Fong, 葉勇信 Yung-Hsin Yeh
- SAT-VIP-2-1 心室出口道附近的相關解剖位置
張珽詠 Ting-Yung Chang
- SAT-VIP-2-2 J 波綜合症
張鴻猷 Hung-Yu Chang
- SAT-VIP-2-3 中國兒童 CPVT 病例的臨床及診斷誤診分析
江河 He Jiang
- SAT-VIP-2-4 室速風暴的處理
夏雲龍 Yunlong Xia
- SAT-VIP-2-5 心室外膜的 PPI 建模：一分支型室速標測消融的新策略電燒治療
崔凱軍 Kaijun Cui
- SAT-VIP-2-6 分支型室速消融長期隨訪成功率
張鳳祥 Fengxiang Zhang

Luncheon Symposium 15: Translating Trials to Clinical Practice: New Insights in Anticoagulation 3.0 Era (Sponsor: Boehringer Ingelheim)

Date: Oct-20 | Time: 12:20-13:20

Room: 101A, 1F, TICC

- Moderators: Kuan-Cheng Chang (Taiwan), Ming-Shien Wen (Taiwan)
- SAT-101A-LS-1 Asian Strategy for Stroke Prevention in AF: Where do We Stand In 2018?
Chern-En Chiang (Taiwan)
- SAT-101A-LS-2 New Evolutions in Anticoagulation Treatment
Gregory Yoke Hong Lip (United Kingdom)

Luncheon Symposium 16: Pulmonary Vein Isolation with HeartLight Endoscopic Ablation System for Atrial Fibrillation (Sponsor: Japan Lifeline)

Date: Oct-20 | Time: 12:20-13:20

Room: 101B, 1F, TICC

- Moderator: Chen-Chuan Cheng (Taiwan)
- SAT-101B-LS-1 Pulmonary Vein Isolation with HeartLight Endoscopic Ablation System for Atrial Fibrillation
Mike Mangrum (United States)

Luncheon Symposium 17: Type 2 Diabetes Drug Cuts Risk of Heart-Related Death (Sponsor: Eli Lilly)

Date: Oct-20 | Time: 12:20-13:20

Room: 101C, 1F, TICC

- Moderator: Wei-Hsian Yin (Taiwan)
- SAT-101C-LS-1 Type 2 Diabetes Drug Cuts Risk of Heart-Related Death
Javed Butler (United States)

Luncheon Symposium 18: Cardiac Arrhythmia in Patients with Diabetes Mellitus: Can SGLT-2 Inhibitor Provide Additional Benefit for its Prevention & Treatment? (Sponsor: AstraZeneca)

Date: Oct-20 | Time: 12:20-13:20

Room: 101D, 1F, TICC

Moderator: Jen-Yuan Kuo (Taiwan)

SAT-101D-LS-1 **Cardiac Arrhythmia in Patients with Diabetes Mellitus: Can SGLT-2 Inhibitor Provide Additional Benefit for its Prevention and Treatment?**
Chun-Chieh Wang (Taiwan)

Luncheon Symposium 19: SeeHF: Integrative Device Therapy for Heart Failure (Sponsor: Medtronic)

Date: Oct-20 | Time: 12:20-13:20

Room: 201BC, 2F, TICC

Moderators: Michael R Gold (United States), Jin-Long Huang (Taiwan)

SAT-201BC-LS-1 **Power of AdaptivCRT in the Real-World Setting**
Ying-Hsiang Lee (Taiwan)

SAT-201BC-LS-2 **Early Experience with Attain Stability Quad**
Azlan Hussin (Malaysia)

SAT-201BC-LS-3 **Setting up Systems for HF and LVAD in Asia: The Real & the Challenges**
David Sim (Singapore)

Luncheon Symposium 20: Advanced Heart Failure Management Luncheon Symposium (Sponsor: Abbott)

Date: Oct-20 | Time: 12:20-13:20

Room: 201DE, 2F, TICC

Moderators: Katherine Fan (Hong Kong), Jeng Wei (Taiwan)

SAT-201DE-LS-1 **Evolutions in Heart Failure management**
Chi-Keong Ching (Singapore)

SAT-201DE-LS-2 **Latest Development in Left Ventricular Assist Device Therapy**
Peter Bergin (Australia)

SAT-201DE-LS-3 **Refer the Right Patient at the Right Timing**
Kaitlyn My-Tu Lam (Australia)

Luncheon Symposium 21: Optimizing Hypertension Management in Clinical Practice (Sponsor: A. Menarini)

Date: Oct-20 | Time: 12:20-13:20

Room: VIP, 4F, TICC

Moderator: Yi-Jen Chen (Taiwan)

SAT-VIP-LS-1 **Can We do More for the Hypertensive Patients? A Look at Nebivolol: A Vasodilating Beta-blockers**
Athanasios J. Manolis (Greece)

Nursing Care in Heart Rhythm 02: Luncheon Symposium: Critical Care Nursing View

Date: Oct-20 | Time: 12:20-13:20

Room: Conference 2, 2F, TWTC

Moderators: Mei-Ling Lin (Taiwan), Chen-Te Ma (Taiwan)

SAT-C2-3-1 **Critical Care in Cardiac Arrhythmia**
Fang-Yu Lin (Taiwan)

SAT-C2-3-2 **Cardiopulmonary Rehabilitation after Cardiac Disease in Intensive Care Unit**
Ru-Chun Tai (Taiwan)

SAT-C2-3-3 **Nursing Program of Hypothermia Treatment/Post CPR**
Chen-Ling Chou (Taiwan)

Basic and Translational Medicine 15: Inflammation in the Pathophysiology and Thrombogenesis of Atrial and Ventricular Arrhythmia

Date: Oct-20 | Time: 13:30-15:10

Room: 101A, 1F, TICC

- Moderators: **Stephen Joseph** (Australia), **Issei Komuro** (Japan), **Yi-Jen Chen** (Taiwan)
- SAT-101A-3-1 **Role of Fibrosis in AF**
Natalia Trayanova (United States)
- SAT-101A-3-2 **Sympathetic Nerve Blocks Promote Anti-Inflammatory Response by Activating JAK2-STAT3-Mediated Signaling Cascade in Rat Myocarditis Model: A Novel Mechanism with Clinical Implications**
Boyoung Joung (South Korea)
- SAT-101A-3-3 **Role of Inflammation in the Pathophysiology of Atrial Thrombogenesis**
Andreas Götte (Germany)
- SAT-101A-3-4 **Inflammation and LA Function in AF Patients**
Hitoshi Ichiki (Japan)

VT/VF 21: Lessons from Registration/ RCT/ Big Data for Substrate VT Ablation

Date: Oct-20 | Time: 13:30-15:10

Room: 101B, 1F, TICC

- Moderators: **Harikrishna Tandri** (United States), **Narawudt Prasertwitayakij** (Thailand), **Po-Ching Chi** (Taiwan)
- SAT-101B-3-1 **Approaches and Outcomes for Repeat Ablation in Ventricular Arrhythmias**
Wendy S. Tzou (United States)
- SAT-101B-3-2 **Early Mortality After Catheter Ablation of VT**
Pasquale Santangeli (United States)
- SAT-101B-3-3 **Ectopy-Mediated Cardiomyopathy: Predictors of Ablation Success**
Haris Haqqani (Australia)
- SAT-101B-3-4 **Early Versus Late Referral for Catheter Ablation of Structural Heart Disease-VT**
Saurabh Kumar (Australia)
- SAT-101B-3-5 **What Is the Next Step/Idea/Evidence That We Can Learn from Big Collaboratory Registration?**
Roderick Tung (United States)

Basic and Translational Medicine 16: Sinus Node Alternans: From Discovery to Patient Care

Date: Oct-20 | Time: 13:30-15:10

Room: 101C, 1F, TICC

- Moderators: **Satoshi Higa** (Japan), **Dan Hu** (China), **Wei-Chung Tsai** (Taiwan)
- SAT-101C-3-1 **Inappropriate Sinus Tachycardia: Clinical Presentation and Treatment**
Samuel Levy (France)
- SAT-101C-3-2 **Human Sinoatrial Node Dysfunctions**
Vadim Fedorov (United States)
- SAT-101C-3-3 **The Reentry Circuit of Sinoatrial Reentrant Tachycardia May Involve the Sinoatrial Exit Pathways in Humans: Observation by Noncontact Mapping System**
Motoki Hara (Japan)
- SAT-101C-3-4 **Insight into the Mechanism of Bradycardia and Asystole**
Gareth Wynn (Australia)

Genetics 07: Challenges of Genetic Testing and Management in Inherited Arrhythmias, Part I

Date: Oct-20 | Time: 13:30-15:10

Room: 101D, 1F, TICC

- Moderators: **Raymond Sy** (Australia), **Katsushige Ono** (Japan), **Ming-Shien Wen** (Taiwan)
- SAT-101D-3-1 **Genetic Purgatory**

- SAT-101D-3-2 **Michael Ackerman** (United States)
Challenges of Whole Exome Sequencing in Clinical Genetic Testing
Diane Fatkin (Australia)
- SAT-101D-3-3 **Applications of Cardiac Gene Panels in Taiwan**
Yu-Feng Hu (Taiwan)
- SAT-101D-3-4 **Challenges of Variant Interpretation Following Genetic Testing**
Jodie Ingles (Australia)

VT/VF 22: Better Understanding of Arrhythmogenesis: Interrogating the Substrate

Date: Oct-20 | Time: 13:30-15:10

Room: 102, 1F, TICC

- Moderators: **Gopal Sivagangabalan** (Australia), **Kiyoshi Otomo** (Japan), **Hung-Yu Chang** (Taiwan)
- SAT-102-3-1 **Management of Cardiac Sarcoidosis**
Kengo Kusano (Japan)
- SAT-102-3-2 **Relationship of Reentry to Sinus Rhythm Deceleration Zones**
Roderick Tung (United States)
- SAT-102-3-3 **Rationale and Role of Endomyocardial Biopsy in VT Patients**
Claudio Tondo (Italy)
- SAT-102-3-4 **Substrate for Ventricular Arrhythmia Post Myocardial Infarction**
Hiroya Mizuno (Japan)
- SAT-102-3-5 **High Resolution Panoramic Optical Imaging of VF in the Human Heart**
Igor Efimov (United States)

Joint Session 08: APHRS-Taiwan Society of Cardiovascular Interventions Joint Session: AF Management and Cardiovascular Intervention Procedure

Date: Oct-20 | Time: 13:30-15:10

Room: 103, 1F, TICC

- Moderators: **San-Jou Yeh** (Taiwan), **Yoshio Kosakai** (Japan), **Chen-Chuan Cheng** (Taiwan), **Wei-Hsian Yin** (Taiwan)
- SAT-103-3-1 **Opening Remarks**
Wei-Hsian Yin (Taiwan)
- SAT-103-3-2 **LAA: To Close or not to Close?**
Tina Lin (Australia)
- SAT-103-3-3 **CVS View in NOAC in the CAD and AF**
Shao-Jung Li (Taiwan)
- SAT-103-3-4 **Effectiveness and Safety of Standard- and Low-Dose Rivaroxaban in Asians with AF**
Chun-Yao Huang (Taiwan)
- SAT-103-3-5 **Antithrombotic Therapy in Patients with AF and Percutaneous Intervention**
Tsung-Hsien Lin (Taiwan)
- SAT-103-3-6 **Antithrombotic Therapy in Patients with AF and Transcatheter Aortic Valve Replacement**
Ying-Hsiang Lee (Taiwan)
- SAT-103-3-7 **Closing Remarks**
Kazuhiro Satomi (Japan)

Joint Session 09: APHRS-Taiwan Neurological Society Joint Session: AF and Stroke Management: Present and Future

Date: Oct-20 | Time: 13:30-15:10

Room: 201A, 2F, TICC

- Moderators: **Hiroyuki Osanai** (Japan), **Tsu-Juey Wu** (Taiwan), **Yung-Yang Lin** (Taiwan)
- SAT-201A-3-1 **Opening Remarks**

SAT-201A-3-2	Mien-Cheng Chen (Taiwan) How Should We Screen for AF?
SAT-201A-3-3	Andrew McGavigan (Australia) Preventing Both Ischemic and Hemorrhagic Strokes: A Challenge in the Clinical Practice
SAT-201A-3-4	Helen L. Po (Taiwan) Atrial Arrhythmia During Hemodialysis
SAT-201A-3-5	Jae-Jin Kwak (South Korea) Sleep Apnea and AF
SAT-201A-3-6	Dominik Linz (Australia) Shared Decision Making for Stroke Prevention in AF: Focus on Asian
SAT-201A-3-7	Meng-Tsang Hsieh (Taiwan) Stroke and Cardiac Event Rate in Patients with Non-Valvular AF in Thailand: The COOL-AF Registry
SAT-201A-3-8	Rungroj Kittayaphong (Thailand) Closing Remarks
	Shuu-Jiun Wang (Taiwan)

AF 23: Meet the Masters – To Learn Everything About AF

Date: Oct-20 | Time: 13:30-15:10

Room: 201BC, 2F, TICC

Moderators:	John Camm (United Kingdom), Douglas L. Packer (United States), Ming-Hsiung Hsieh (Taiwan)
SAT-201BC-3-1	The Most Important Things You Have to Know About Epidemiology in AF Emelia Benjamin (United States)
SAT-201BC-3-2	The Most Important Things You Have to Know About Rate Control in AF Isabelle Van Gelder (Netherlands)
SAT-201BC-3-3	The Most Important Things You Have to Know About Stroke Prevention in AF Gregory Yoke Hong Lip (United Kingdom)
SAT-201BC-3-4	The Most Important Things You Have to Know About Catheter Ablation in AF Shih-Ann Chen (Taiwan)
SAT-201BC-3-5	The Treatment of AF: What Is the Future? John Camm (United Kingdom)

AF 24: Balloon Ablation: A Better Way?

Date: Oct-20 | Time: 13:30-15:10

Room: 201DE, 2F, TICC

Moderators:	Wilber Su (United States), Roberto De Ponti (Italy), Suresh Singarayar (Australia)
SAT-201DE-3-1	Cooling Versus Heating: Lessons Learned from Imaging AF Ablation Patient Nassir Marrouche (United States)
SAT-201DE-3-2	Fundamental Concepts of Balloon Ablation Compared with RF Ablation Masaomi Kimura (Japan)
SAT-201DE-3-3	Cryo Ablation Could be Used in Persistent AF? Wilber Su (United States)
SAT-201DE-3-4	Laser Balloon Technique Boris Schmidt (Germany)
SAT-201DE-3-5	Hot Balloon Ablation of the PVs for Paroxysmal AF: A Multicenter Randomized Trial in Japan Hiroshi Sohara (Japan)
SAT-201DE-3-6	Pro: Hot or Cold Ablation for PV, Favor Cryo Kenzo Hirao (Japan)
SAT-201DE-3-7	Con: Hot or Cold Ablation for PV, Favor Hot Shih-Lin Chang (Taiwan)

Non-Invasive ECG o8: Challenging ECG Run, Part II

Date: Oct-20 | Time: 13:30-15:10

Room: 201F, 2F, TICC

- Moderators: Masayasu Hiraoka (Japan), Wen-Been Wang (Taiwan), Yong Seog Oh (South Korea)
- SAT-201F-3-1 **A 3-Year-Old Girl with Heterotaxy Syndrome, Presented with Frequent Palpitations**
Wei-Chieh Tseng (Taiwan)
- SAT-201F-3-2 **A Case of Wide QRS Complex**
Gi-Byoung Nam (South Korea)
- SAT-201F-3-3 **The Coupled Rhythm with Symptomatic Bradycardia, what is the Mechanism?**
Voravut Rungpradubvong (Thailand)
- SAT-201F-3-4 **The Practice of Arrhythmia Management in Vietnam**
Quoc Khanh Pham (Vietnam)
- SAT-201F-3-5 **Polymorphic Ventricular Tachycardia in a 44-Year-Old Female**
Weng Chio Tam (Macau)
- SAT-201F-3-6 **Challenging Electrogram Tracings in SVT**
Dony yugo Hermanto (Indonesia)

Guidelines o3: Overview and Update of the Ventricular Arrhythmias & SCD Guideline

Date: Oct-20 | Time: 13:30-15:10

Room: 202, 2F, TICC

- Moderators: Kejiang Cao (China), Yusuke Kondo (Japan), Ken Okumura (Japan)
- SAT-202-3-1 **Epidemiology of Ventricular Arrhythmias and SCD**
Sumeet S. Chugh (United States)
- SAT-202-3-2 **Medical Therapy for Treatment or Prevention of Ventricular Arrhythmias**
Yung-Hsin Yeh (Taiwan)
- SAT-202-3-3 **Intervention Therapy for Treatment or Prevention of Ventricular Arrhythmias**
Cheng-Hung Li (Taiwan)
- SAT-202-3-4 **Ventricular Arrhythmias and SCD Related to Athletes**
Marco Perez (United States)

Device 33: Leadless PPM : Experiences Sharing

Date: Oct-20 | Time: 13:30-15:10

Room: 203, 2F, TICC

- Moderators: Nazar Luqman (Brunei), Surinder Kaur Khelae (Malaysia), Chien-Cheng Chen (Taiwan)
- SAT-203-3-1 **Leadless Pacemaker in Australia**
John N Hill (Australia)
- SAT-203-3-2 **Leadless Pacemaker in India**
Vanita Arora (India)
- SAT-203-3-3 **Leadless Pacemaker in Hong Kong**
Joseph YS Chan (Hong Kong)
- SAT-203-3-4 **Clinical Experience of Leadless Pacemaker in Japan**
Masahiko Takagi (Japan)
- SAT-203-3-5 **Micra Leadless Pacing in Malaysia**
Razali Omar (Malaysia)

Device 34: Novel Strategy and Development for HF

Date: Oct-20 | Time: 13:30-15:10

Room: South Lounge, 3F, TICC

- Moderators: Kai Hang Yiu (Hong Kong), Alisara Anannab (Thailand), Yen-Bin Liu (Taiwan)

SAT-SL-3-1	Experience with the Implantable Hemodynamic Sensor in HF Werner Jung (Germany)
SAT-SL-3-2	CRT Update for HF Dae-Hee Shin (South Korea)
SAT-SL-3-3	New Horizon of Device Therapy for HF Ashish Nabar (India)
SAT-SL-3-4	Setting-up HF Service - Asia Perspective David Sim (Singapore)
SAT-SL-3-5	CRT Using Multi-Point Pacing Kenji Ando (Japan)

Device 35: Nightmares in CRT Implantation

Date: Oct-20 | Time: 13:30-15:10

Room: North Lounge, 3F, TICC

Moderators:	Kenneth Dickstein (Norway), Spencer Heald (New Zealand), Jien-Jiun Chen (Taiwan)
SAT-NL-3-1	Case Sharing from Australia James Leitch (Australia)
SAT-NL-3-2	My Nightmares in CRT Implantation Cathy TF Lam (Hong Kong)
SAT-NL-3-3	Case Sharing from Japan Miwa Miyoshi (Japan)
SAT-NL-3-4	Upgrade CRT: How to Avoid CIED Infection Charles Love (United States)
SAT-NL-3-5	CRT Non-Responders - Atrial Tachyarrhythmias Roberto Keegan (Argentina)

Smart Healthcare 07: Smart Health and Ethics Issue

Date: Oct-20 | Time: 13:30-15:10

Room: Banquet Hall, 3F, TICC

Moderators:	Yasushi Miyauchi (Japan), Daein lee (South Korea), Jiin Ger (Taiwan), Yu-Cheng Hsieh (Taiwan)
SAT-BH-3-1	Opening Remarks Ming-Shien Wen (Taiwan)
SAT-BH-3-2	AI for Safer and Precision Medicine Yu-Chuan Li (Taiwan)
SAT-BH-3-3	Integrating Electronic Health Record Genotype and Phenotype Datasets to Transform Patient Care Dan M. Roden (United States)
SAT-BH-3-4	Impact of Digital Twins on Future Medicine Ted Chang (Taiwan)
SAT-BH-3-5	AI, Rational Discrimination, and Law Wen-Tsong Chiou (Taiwan)

Case Sharing 02: The Most Memorable CIED Cases

Date: Oct-20 | Time: 13:30-15:10

Room: Conference 1, 2F, TWTC

Moderators:	Khin Maung Win (Myanmar), Kah Leng Ho (Singapore), Kuo-Hung Lin (Taiwan)
SAT-C1-3-1	His Bundle Pacing as an Alternative to CRT: Cases Sharing Mark Perrin (Australia)
SAT-C1-3-2	Innovative Medical Devices in Arrhythmic Diseases Montawatt Amnueypol (Thailand)

- SAT-C1-3-3 **VPC Ablation for the Management of a CRT Non-Responder**
Kuan-Hung Yeh (Taiwan)
- SAT-C1-3-4 **The Difficulty in Decision-Making in CRT Patients**
Thoranis Chantrarat (Thailand)

Nursing Care in Heart Rhythm 03: Device and Ablation Therapy

Date: Oct-20 | Time: 13:30-15:10

Room: Conference 2, 2F, TWTC

- Moderators: Celine Gallagher (Australia), Aidila Binte Ismail (Singapore), Hui-Chuan Cheng (Taiwan)
- SAT-C2-4-1 **Coordination of Ablation Procedure: Pre and Post Procedure Care**
Yi-Hui Chen (Taiwan)
- SAT-C2-4-2 **Perspectives on Patient Safety in Catheter Ablation**
Wai-Sum Luk (Hong Kong)
- SAT-C2-4-3 **Role of Nurse Practitioner for Management of Device**
Yumiko Funatsu (Japan)
- SAT-C2-4-4 **Nursing Program of CIED Implantation before and after Procedure**
Aidila Binte Ismail (Singapore)
- SAT-C2-4-5 **A Multidisciplinary Approach to Patients with HF after CRT-D Implantation**
Won Woo Yoo (Korea)
- SAT-C2-4-6 **Establishment and Effectiveness Evaluation of the Mitral Clip Care Map**
Mei-Ling Lin (Taiwan)

Case Sharing 03: Ventricular Arrhythmia Management: The Difficult Decisions

Date: Oct-20 | Time: 13:30-15:10

Room: Conference 3, 2F, TWTC

- Moderators: Kazuaki Kaitani (Japan), Warangkna Boonyapisit (Thailand), Minh Hoang Quang (Vietnam)
- SAT-C3-3-1 **My Management for VT in HF Patients**
Akihiko Shimizu (Japan)
- SAT-C3-3-2 **My Challenging Ablation of Ventricular Arrhythmia**
Vo Kien Le (Vietnam)
- SAT-C3-3-3 **The Tough Experience in Ventricular Arrhythmia Substrate Ablation**
Shinya Yamada (Japan)
- SAT-C3-3-4 **The Difficulty in Ventricular Arrhythmia Ablation within Aortic Sinuses**
Yash Lokhandwala (India)
- SAT-C3-3-5 **Idiopathic VT: My Unforgettable Experience**
Fayez Bokhari (Saudi Arabia)

Joint Session 10: APHRS-Pediatric & Congenital Electrophysiology Society Joint Session: Management of Cardiac Arrhythmias in Congenital Heart Disease

Date: Oct-20 | Time: 13:30-15:10

Room: Conference 5, 2F, TWTC

- Moderators: Eun-Jung Bae (Korea), Shigeru Tateno (Japan), Jun Yoshimoto (Japan)
- SAT-C5-3-1 **Opening Remarks**
Jun Yoshimoto (Japan)
- SAT-C5-3-2 **Drug Therapy for Management of Supraventricular and Ventricular Tachyarrhythmia in Patients with Congenital Heart Disease**
Mei-Hwan Wu (Taiwan)
- SAT-C5-3-3 **Cardiac Implantable Device Therapy for Tachy- and Brady-Arrhythmia in Patients with Congenital Heart Disease**
Andreas Pflaumer (Australia)

- SAT-C5-3-4 **Catheter Ablation for Patients with Congenital Heart Disease**
Ming-Lon Young (United States)
- SAT-C5-3-5 **Surgical Options for Management of Arrhythmia in Patients with Congenital Heart Disease**
Eun-Jung Bae (Korea)
- SAT-C5-3-6 **Closing Remarks**
Mei-Hwan Wu (Taiwan)

SCD 07: Cardiac Arrhythmias and SCD in Athletes

Date: Oct-20 | Time: 13:30-15:10

Room: Joy Lounge, 4F, TICC

- Moderators: Man-Chun Choi (Hong Kong), June Huh (South Korea), Chi-Tai Kuo (Taiwan)
- SAT-JL-3-1 **Overview of SCD in Athletes**
Mark S Link (United States)
- SAT-JL-3-2 **Cardiovascular Consequences of Extreme Endurance Sport**
Lluís Mont (Spain)
- SAT-JL-3-3 **When to Stop Exercise? Focus on the Red Flags**
Yongkeun Cho (South Korea)
- SAT-JL-3-4 **Long-term Follow-up of the Athletes and ICD Trial and its Influence in the United States on Guidelines for Participation in Sports**
David Cannom (United States)
- SAT-JL-3-5 **Disparity Between Indications for and Utilization of ICD in Asian Patients with HF - Insight from the ASIAN-HF Registry**
Chung-Lieh Hung (Taiwan)

Satellite Symposium 05: Master Class, Part I (Sponsor: Pfizer)

*Master Class, Part II on p. 188

Date: Oct-20 | Time: 13:30-15:15

Room: VIP, 4F, TICC

- SAT-VIP-3-1 **Opening Remarks**
Hung-Fat Tse (Hong Kong), Wen-Jone Chen (Taiwan)
- SAT-VIP-3-2 **What is New for Stroke Prevention in NVAF?**
Renato D. Lopes (United States)
- SAT-VIP-3-3 **What Do the Guidelines Recommend for Stroke Prevention in NVAF?**
Tze-Fan Chao (Taiwan)
- SAT-VIP-3-4 **Addressing the Unmet Needs: Are All NOACs the Same?**
Renato D. Lopes (United States)
- SAT-VIP-3-5 **The Use of NOACs After Ablation and Cardioversion: Insights from EP**
Hung-Fat Tse (Hong Kong)

Basic and Translational Medicine 17: Inflammation: The Critical Issue Post Ablation and Operation

Date: Oct-20 | Time: 15:30-17:10

Room: 101A, 1F, TICC

- Moderators: Adrian D Elliott (Australia), Masahide Harada (Japan), Kun-Tai Lee (Taiwan)
- SAT-101A-4-1 **Time Course of Inflammation and Prothrombotic Response after Radiofrequency Ablation for AF**
Prash Sanders (Australia)
- SAT-101A-4-2 **Impact of Restored Sinus Rhythm in Patients with Sepsis and New-Onset AF**
Wei-Shiang Lin (Taiwan)
- SAT-101A-4-3 **The Impact of Transforming Growth Factor- β 1 Level on Outcome after Catheter Ablation in Patients with AF**
Takanao Mine (Japan)
- SAT-101A-4-4 **Cellular and Molecular Mechanisms of Postoperative AF**

Dobromir Tzankov Dobrev (Germany)

Genetics o8: Challenges of Genetic Testing and Management in Inherited Arrhythmias, Part II

Date: Oct-20 | Time: 15:30-17:10

Room: 101D, 1F, TICC

- Moderators: Giulio Conte (Italy), Raymond Sy (Australia), Tohru Ohe (Japan)
- SAT-101D-4-1 **Early Repolarization Syndrome: Its Genetic Background and Management**
Minoru Horie (Japan)
- SAT-101D-4-2 **Improving Risk Prediction for Drug Induced Cardiac Arrhythmias**
Jamie Vandenberg (Australia)
- SAT-101D-4-3 **Comprehensive Cardiogenetic Clinics: A Gap to be Filled in Developing Countries**
Priya Chockalingam (India)
- SAT-101D-4-4 **A Patient with Inherited Arrhythmia but a Negative Genetic Test?**
Jodie Ingles (Australia)
- SAT-101D-4-5 **Genotype-Dependent Differences in Short QT Syndrome**
Naomasa Makita (Japan)

Smart Healthcare o8: Smart Health in Cardiac Arrhythmia

Date: Oct-20 | Time: 15:30-17:10

Room: Banquet Hall, 3F, TICC

- Moderators: Mauricio Arruda (United States), Dominik Linz (Australia), Ying-Chou Sun (Taiwan)
- SAT-BH-4-1 **Fundamental Concepts of AI Deep Learning Algorithms**
Henry Horng-Shing Lu (Taiwan)
- SAT-BH-4-2 **In the Era of Imaging AI: The Philosophy of an Imaging Practitioner**
Wan-You Kuo (Taiwan)
- SAT-BH-4-3 **Computational Cardiology: From Nano to Macro**
Natalia Trayanova (United States)
- SAT-BH-4-4 **Transforming Healthcare Through Cognitive Computing**
Liang-Yeu (Lenny) Chen (United States)
- SAT-BH-4-5 **Ethical Considerations of AI Research**
Daniel F. Tsai (Taiwan)
- SAT-BH-4-6 **Closing Remarks**
Wan-You Kuo (Taiwan)

Joint Session 11: APHRS-The Evolution of Taiwan Pediatric Association and Taiwan Society of Pediatric Cardiology Joint Session: Diagnosis and Management of Cardiac Arrhythmias in Children

Date: Oct-20 | Time: 15:30-17:10

Room: Conference 5, 2F, TWTC

- Moderators: Shigeru Tateno (Japan), Ming-Chih Lin (Taiwan), Mei-Hwan Wu (Taiwan)
- SAT-C5-4-1 **Arrhythmia Recognition in Pediatric ECG**
Christine Chiu-Man (Canada)
- SAT-C5-4-2 **Cardiovascular Screening in Children**
Mei-Hwan Wu (Taiwan)
- SAT-C5-4-3 **Management of SVT in Children: Medication or Ablation**
Ming-Lon Young (United States)
- SAT-C5-4-4 **Management of VPC and VT in Children**
Pi-Chang Lee (Taiwan)
- SAT-C5-4-5 **Management of Arrhythmia in Congenital Heart Disease Children**
Shuenn-Nan Chiu (Taiwan)

SCD o8: What do We Learn from the Clinical Trials and Registry Studies in SCD?

Date: Oct-20 | Time: 15:30-17:10

Room: Joy Lounge, 4F, TICC

- Moderators: **Andrew E. Epstein** (United States), **Kenneth Dickstein** (Norway), **Narayanan Namboodiri KK** (India)
- SAT-JL-4-1 **Lessons from the SCD Registry in Asians: Are there Racial Differences?**
Kuan-Cheng Chang (Taiwan)
- SAT-JL-4-2 **What Should I Recommend after DANISH Trial?**
Andrew E. Epstein (United States)
- SAT-JL-4-3 **Risk Guided Sudden Death Stratification and ICD Implantation: The Case for Dedicated Clinical Trials**
Faiez Zannad (France)
- SAT-JL-4-4 **Digoxin and SCD: Insight from the Engage AF-TIMI 48 Trial**
Robert P. Giugliano (United States)
- SAT-JL-4-5 **SCD in Japanese Patients with HF**
Nobuhisa Hagiwara (Japan)

Device 36: CRT: Widening of the QRS or Widening of the Indications

Date: Oct-20 | Time: 15:30-17:10

Room: North Lounge, 3F, TICC

- Moderators: **Johannes Sperzel** (Germany), **Maurizio Gasparini** (Italy), **Yutang Wang** (China), **Chun-Chieh Wang** (Taiwan)
- SAT-NL-4-1 **Should QRS Duration Be Recalibrated to Body Size in Selecting Patients for CRT?**
Niraj Varma (United States)
- SAT-NL-4-2 **CRT in NYHA IV: Never? Sometimes?**
Christophe Leclercq (France)
- SAT-NL-4-3 **Should We Recommend CRT for Patient with Borderline LVEF?**
Xingbin Liu (China)
- SAT-NL-4-4 **Relation of QRS Duration to Response to CRT**
Ryusuke Kimura (Japan)
- SAT-NL-4-5 **Expanding Indication for His-Bundle Pacing in HF**
Mark Perrin (Australia)

Satellite Symposium o6: Master Class, Part II (Sponsor: Pfizer)

Date: Oct-20 | Time: 15:30-17:10

Room: VIP, 4F, TICC

- SAT-VIP-4-1 **How do We Define “Real-World Data”?**
Gregory Yoke Hong Lip (United Kingdom)
- SAT-VIP-4-2 **From Clinical Trials to Clinical Practice: The Taiwanese Perspective**
Yi-Hsin Chan (Taiwan)
- SAT-VIP-4-3 **Hot Topic Discussion – How to Synthesize RCTs and Real-World Data When Managing Challenging NVAF Patient Cases**
Gregory Yoke Hong Lip (United Kingdom), **Renato D. Lopes** (United States)
- SAT-VIP-4-4 **Summary: The Impact of NOACs on Healthcare Outcomes**
Hung-Fat Tse (Hong Kong)
- SAT-VIP-4-5 **Panel Discussion**
Closing Remarks
Mien-Cheng Chen (Taiwan), **Hung-Fat Tse** (Hong Kong)

Poster Presentation – Clinical Researches in Ventricular Arrhythmias

Date: Oct-20 | Time: 08:30-12:00

Venue: 1F, TWTC

SAT-PP05-001 Ventricular Arrhythmias Developed in Association with Enhanced Cardio-Sympathetic Activity; Therapeutic Results of Bepridil and Its Effects on Autonomic Nerve Activity

Ayari Sugai, Osamu Saitoh, Junya Watanabe, Ayaka Oikawa, Masaomi Chinushi, Hiroshi Furushima, JHRS (Japan)

SAT-PP05-002 Proximal Renal Artery Catheter Ablation for the Treatment of Ventricular Arrhythmia Associated with Enhanced Sympathetic Nerve Activity

Osamu Saitoh, Ayari Sugai, Junya Watanabe, Ayaka Oikawa, Hiroshi Furushima, Masaomi Chinushi, JHRS (Japan)

SAT-PP05-003 Acute Mental Stress is Associated with Heart Rate Variability and Electrocardiogram Alternans in Healthy Adult

Tien-Chi Huang, Chang-Jen Chen, Hsiang-Chun Lee, Kun-Tai Lee, Chee-Siong Lee, Hsueh-Wei Yen, Wen-Ter Lai, Wei Chung Tsai, Kaohsiung Medical University Hospital (Taiwan)

SAT-PP05-004 Superior Approach Assisted by Cartosound for Radiofrequency Ablation of Ventricular Arrhythmias Originating from the Vicinity of Tricuspid Annulus in Children

Yoko Yoshida, Wakako Maruyama, Yuko Kato, Tsugutoshi Suzuki, Yoshihide Nakamura, Osaka City General Hospital (Japan)

SAT-PP05-005 Prevalence and Circadian Variation of Prominent J Waves in Idiopathic Ventricular Fibrillation (IVF) without Structural Heart Disease: A Single-Centre Study

Rahul Singhal, Heart and General Hospital (India)

SAT-PP05-006 Idiopathic Left Anterior Fascicular LV VT

Ramdeo Yadave, Batra Hospital (India)

SAT-PP05-007 Efficacy and Outcome of Radiofrequency Catheter Ablation among Patients with Idiopathic Premature Ventricular Contraction and Tachycardia

Titaya Sukhpanyarak, Tachapong Ngarmukos, Pakorn Chandanammattha, Sirin Apiyasawat, Kanchit Likittanasombat, Cardiovascular Medicine Ramathibodi Hospital (Thailand)

SAT-PP05-008 The Catheter Ablation of Premature Ventricular Contraction (PVC) Originating from the Mid-Septum

Yasutaka Hirayama, Kazumasa Adachi, Yuya Suzuki, Mutsuki Kodaira, Yukinori Katoh, Takeshi Matsuura, Akinori Matsumoto, Masayuki Kintsu, Koji Sogabe, Masaru Kuroda, Satoshi Matsuura, Masahito Kawata, Kazuki Toki, Chihiro Terami, Kenji Fukui, Rieko Tsuboi, Akashi Medical Center (Japan)

SAT-PP05-009 The Clinical Implication of a Fragmented QRS Complex in Patients with Myocardial Ischemia

Myung Hwan Bae, Yoon Jung Park, Bo Eun Park, Hong Nyun Kim, Kyungpook National University Hospital (South Korea)

SAT-PP05-010 Experience of Radiofrequency Ablation of Right Ventricular Outflow Tract Premature Ventricular Complexes using 3D Mapping System at Yangon General Hospital, Myanmar

Sein Khine, Nwe Nwe, Thet Lel Swe Aye, Swe Yi Tint, University of Medicine (Myanmar)

SAT-PP05-011 Mild-Moderate Alcohol Consumption is Associated with a Reduction in Ventricular Fibrosis: Insights from T1 Mapping on CMR

Alex Voskoboinik, Alfred & Royal Melbourne Hospitals, Baker Institute (Australia), Ben Costello, Darragh Flannery, Andre La Gerche, Baker Institute (Australia), Geoff Wong, Chrisan Nalliah, Jonathan Kalman, Royal Melbourne Hospital (Australia),

Sandeep Prabhu, Hariharan Sugumar, Jeremy William, Alfred & Royal Melbourne Hospitals (Australia), Andrew Taylor, Alfred Hospital (Australia), Peter Kistler, Alfred Hospital, Baker Heart & Diabetes Institute (Australia)

SAT-PP05-012 Incidence and Predictors of Sudden Death among Myocardial Infarction Survivors in India

Raja Selvaraj, Sasinthar Rangasamy, Santhosh Satheesh, Ajith Ananthakrishna Pillai, Jayaraman Balachander, Jawaharlal Institute of Postgraduate Medical Education and Research (India)

SAT-PP05-013 Effectiveness of a Novel Expandable Spherical Monopolar Irrigated Radiofrequency Ablation Catheter for Ventricular Radiofrequency Lesions

Takeshi Kitamura, Méléze Hocini, Felix Bourier, Antonio Frontera, Masateru Takigawa, Konstantinos Vlachos, Claire A Martin, Anna Lam, Thomas Pambrun, Arnaud Denis, Frédéric Sacher, Nicolas Derval, Hubert Cochet, Michel Haïssaguerre, Pierre Jaïs, LIRYC/Hôpital Cardiologique du Haut-Lévêque-CHU de Bordeaux (France)

SAT-PP05-014 Comparison of Radiofrequency Ablation using Anatomical Approach to Activation Approach in Patients with Idiopathic Verapamil-Sensitive Left Ventricular Tachycardia

Keng Tat Koh, Suraya Hani Kamsani, Giky Karwiky, National Heart Institute (Malaysia)

SAT-PP05-015 Safety and Efficacy of Surgical Versus Percutaneous Approach for Epicardial Catheter Ablation in Ventricular Tachycardia

Keng Tat Koh, Suraya Hani Kamsani, Giky Karwiky, National Heart Institute (Malaysia)

SAT-PP05-016 Early Repolarization is Involved in Ventricular Fibrillation in Patients with Variant Angina

Tetsuji Shinohara, Hidekazu Kondo, Akira Fukui, Hidefumi Akioka, Yasushi Teshima, Kunio Yufu, Mikiko Nakagawa, Naohiko Takahashi, Oita University (Japan)

SAT-PP05-017 Experience in Electrophysiological Study and Radiofrequency Ablation of Idiopathic Fascicular Left Ventricular Tachycardia at Yangon General Hospital

Nwe Nwe, Thet Lel Swe Aye, Swe Yi Tint, Sein Khine, Theingi Tun, Yangon General Hospital (Myanmar)

SAT-PP05-019 Noninvasive SAEKG Analysis Predicting Epicardial Approach in Arrhythmogenic Right Ventricular Cardiomyopathy

Chin-Yu Lin, Yenn-Jiang Lin, Fa-Po Chung, Yun-Yu Chen, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Sanjiv M. Narayan, Tina Baykaner, Stanford University (United States), Men-Tzung Lo, National Central University (Taiwan)

SAT-PP05-020 T-Wave Changes Caused by Cardiac Memory after Successful Ablation of Ventricular Premature Contractions from Right Ventricular Outflow Tract

Yusuke Sakamoto, Yasuya Inden, Hiroya Okamoto, Keita Mamiya, Toshiro Tomomatsu, Aya Fujii, Satoshi Yanagisawa, Rei Shibata, Toyoaki Murohara, Nagoya University Graduate School of Medicine (Japan)

SAT-PP05-021 Three Cases of Successful Radiofrequency Catheter Ablation for Ventricular Arrhythmia Originating Near the His Bundle Region

Yuki Kawano, Satoshi Tsujioka, Masatsugu Nozoe, Toru Kubota, Saiseikai Fukuoka General Hospital (Japan)

SAT-PP05-022 Ripple Mapping to Localize the Site of Origin and to Detect Real Substrate during Catheter Ablation of Ventricular Arrhythmias

Shingo Maeda, Masahiko Goya, Hiroshi Kujiraoka, Masahiko Nakao, Shun Nakagama, Yutaka Enomoto, Tasuku Yamamoto, Kiko Lee, Shinya Shiohira, Masahiro Sekigawa, Atsuhiko Yagishita, Yoshihide Takahashi, Mihoko Kawabata, Kenzo Hirao, Tokyo Medical and Dental University (Japan)

SAT-PP05-023 Scar Burden and EAM-Derived Left Ventricular Volume are Associated with Arrhythmia Recurrence after Substrate Ablation for Ventricular Tachycardia

Nilubon Methachittiphan, Susanne Steffes, Emily Anderson, Gregory Wood, Jordan Prutkin, Melissa Robinson, University of Washington (United States)

SAT-PP05-024 Ventricular Tachyarrhythmias after Adequate Revascularization of Ischemic Cardiomyopathy: Electrophysiological Characteristic, Substrate Properties, and Ablation Outcome

Simon Salim, Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Da-Chuan Duan, Tze-Fan Chao, Jo-Nan Liao, Chin-Yu Lin, Ting-Yung Chang, Ling Kuo, Jennifer Jeanne Vicera, Ting-Chun Huang, Shawn Wu, Chih-Min Liu, Quang-Minh Hoang, Vu Van Ba, Shih-Ahn Chen, Taipei Veterans General Hospital (Taiwan)

SAT-PP05-025 Impact of T-Wave Alternans on the Risk Stratification of Hospitalized Patients with Heart Failure

Shinya Yamada, Hitoshi Suzuki, Akiomi Yoshihisa, Masashi Kamioka, Takashi Kaneshiro, Takafumi Ishida, Yasuchika Takeishi, Fukushima Medical University (Japan)

SAT-PP05-026 Monomorphic Ventricular Tachycardia in Patients of Left Ventricular Hypertrophy with Apical Aneurysm and Normal Epicardial Coronaries

Bhaskar S Rao, Prakash V S, Nagamalles U M, Anupama Hegde, Debasis Acharya, MS Ramiah Medical College (India)

SAT-PP05-027 J Waves are Associated with Ventricular Tachycardia in Patients with Idiopathic Outflow Tract Ventricular Arrhythmias

Yoshihisa Naruse, Tsuyoshi Urushida, Makoto Sano, Tomoaki Sakakibara, Kenichiro Suwa, Hayato Ohtani, Yuichiro Maekawa, Hamamatsu University School of Medicine (Japan)

SAT-PP05-028 VT/VF Storm in Brugada Syndrome Patients with ICD: Ablation and Medical Treatment

Thao Khiem Nguyen, Minh That Ton, Vinh Nguyen Pham, Ngoc Nhu Phan, Dan Van Buu Do, Tam Duc Cardiology Hospital (Vietnam)

SAT-PP05-029 Heart Rhythm Complexity can Predict Long-term Cardiovascular Outcomes in Peritoneal Dialysis Patients: 9 Years Follow-up Cohort Study

Cheng-Hsuan Tsai, Jenq-Wen Huang, Yen-Hung Lin, National Taiwan University (Taiwan)

SAT-PP05-030 Circulating Epinephrine Rise at Onset of Head-Up Tilt: A Marker of Susceptibility to Vasovagal Syncope

Ritsuko Kohno, University of Minnesota & UOEH (United States), Lin Yee Chen, Barry LS Detloff, Faye L. Norby, David G. Benditt, University of Minnesota (United States)

SAT-PP05-031 Swallowing Test for Evaluation of Patients with Suspected Swallow (Deglutition) Syncope

Ritsuko Kohno, University of Minnesota & UOEH (United States), Wayne O Adkisson, David G. Benditt, University of Minnesota (United States)

SAT-PP05-032 Electrocardiographic Characteristics of Intra-Septal Ventricular Tachycardia

Teerapat Nantsupawat, Matthew Olson, University of Minnesota (United States), Chris Johnson, Jian-Ming Li, Selcuk Adabag, Venkatakrishna Tholakanahalli, Minneapolis VA Health Care System (United States)

SAT-PP05-033 New Cut off Points of ECG Criteria in Brugada Syndrome Type 2 or 3 for Predicting Future Ventricular Arrhythmia Events

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SAT-PP05-034 Outcome of Catheter Ablation with and without Drug Provocation in Patients with Brugada Syndrome: A Multi-Center Experience

Sanghamitra Mohanty, Amin Al-Ahmad, John Burkhardt, Chintan Trivedi, Carola Gianni, Roderick Tung, Domenico Della Rocca, Luigi Di Biase, Andrea Natale, Texas Cardiac Arrhythmia Institute (United States), Jason Bradfield, Kalyanam Shivkumar, UCLA (United States), Antonio Dello Russo, Michela Casella, RCCS Monzino Hospital (United States), Ghali Al-Mohani, Royal Hospital (United States), Pasquale Santangeli, University of Pennsylvania (United States)

SAT-PP05-035 Utility of Fractionation Index to Facilitate the Assessment of Adequate Epicardial Substrates Modification in Brugada Syndrome

Fa-Po Chung, Abigail Louise D. Te, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Ta-Chuan Tuan, Tze-Fan Chao, Jonan Liao, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

SAT-PP05-036 The Hypothermic J Wave Influence Function Epicardial Substrates and Ventricular Vulnerability in Patients with Brugada Syndrome

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SAT-PP05-037 Successful Catheter Ablation of Drug Refractory Ventricular Tachycardia in a Patient with Arrhythmogenic Right Ventricular Cardiomyopathy

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SAT-PP05-038 Delayed Effect of Particulate Matter 2.5 Air Pollution Exposure with Loss of Complexity in Cardiac Rhythm Dynamics: Insight from Multiscale Entropy and Detrended Fluctuation Analysis

Tsung-Ying Tsai, Li-Wei Lo, Shin-Huei Liu, Wen-Han Cheng, Yu-Hui Chou, Wei-Lun Lin, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng Hu, Fa-Po Chung, Jo-Nan Liao, Tze-Fan Chou, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Men-Tzung Lo, Hui-Wen Yang, National Central University (Taiwan)

SAT-PP05-039 Comparison of Chronotropic Effect of Theophylline and Cilostazol in Patients with Sick Sinus Syndrome

In-Tae Jin, Namsik Yoon, Hyung Gi Jeong, Ki Hong Lee, Hyung Wook Park, Jeong Gwan Cho, Chonnam National University Hospital (South Korea)

SAT-PP05-040 Loss of Complexity in Rhythm Dynamics on Multiscale Entropy Predicts the Risk of Sudden Cardiac Death in Chronic Kidney Disease

Shin Huei Liu, Li-Wei Lo, Yu-Hui Chou, Tsung-Ying Tsai, Wen-Han Cheng, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng Hu, Fa-Po Chung, Der-Cherng Tarng, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan), Wei-Lun Lin, National Yang-Ming University (Taiwan), Men-Tzung Lo, National Central University (Taiwan)

SAT-PP05-041 VT Ablation in a Patient with LVAD and Mitraclip

Kenneth Michael Yun-Chi Chew, Jit Beng Ng, Eric Lim, Boon Yew Tan, Kah Leng Ho, Daniel Chong, Kelvin Chua, Paul Lim, Chi Keong Ching, National Heart Centre (Singapore)

SAT-PP05-042 The Value of Electrophysiological Study in Risk Stratification of Hypertrophic Cardiomyopathy

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SAT-PP05-043 Cardiac Autonomic Modulation of Premature Ventricular Contraction-Induced Cardiomyopathy after Catheter Ablation

Tsung-Ying Tsai, Li-Wei Lo, Shin-Huei Liu, Wen-Han Cheng, Yu-Hui Chou, Wei-Lun Lin, Yenn-Jiang Lin, Shih-Lin Chang, Yu-Feng

Hu, Fa-Po Chung, Jo-Nan Liao, Tze-Fan Chou, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

SAT-PP05-044 The Occurrence of Iatrogenic Aortic Regurgitation after Catheter Ablation of Ventricular Tachycardia via Aortic Cusp Approach

Hirofumi Kujiraoka, Shingo Maeda, Masahiko Nakao, Yutaka Enomoto, Tasuku Yamamoto, Kiko Akiyoshi, Masahiko Sekigawa, Atsuhiko Yagishita, Yoshihide Takahashi, Mihoko Kawabata, Masahiko Goya, Kenzo Hirao, Tokyo Medical and Dental University (Japan)

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Takashi Nishimoto, Masato Murakami, Syohei Yokota, Takahiro Hayashi, Yuka Mashimo, Hirokazu Miyashita, Hiroaki Yokoyama, Kazuki Tobita, Koki Shishido, Shingo Mizuno, Futoshi Yamanaka, Yutaka Tanaka, Saeko Takahashi, Shigeru Saito, Shonan Kamakura General Hospital (Japan)

SAT-PP05-047 Two Cases of Tetralogy of Fallot with a Double Loop Macro Reentry Ventricular Tachycardia after a Surgical Repair

Yuiko Hosaka, Masaomi Chinushi, Kazuyoshi Takahashi, Keiichi Tsuchida, Komei Tanaka, Takahiro Hakamada, Mitsuo Ishizuka, Rie Akagawa, Norihito Oyanagi, Kenji Nakano, Hirotaka Oda, Niigata City General Hospital (Japan)

SAT-PP05-048 Pattern of the Electrocardiographic Terminal QRS Distorsion Predicts Ventricular Tachyarrhythmia in Takotsubo Syndrome

Meng-Huan Lei, Lo-Tung Poh-Ai Hospital (Taiwan)

SAT-PP05-049 Idiopathic Left Ventricular Tachycardia Presenting to Hayatabad Medical Complex EP Department

Iftekhar Malik Faisal, Hayatabad Medical Complex KGMC (Pakistan)

SAT-PP05-050 Impact of Automated Electroanatomic Mapping System on Procedural Parameters in Mapping and Ablation for Outflow Tract Ventricular Arrhythmia

Yumi Katsume, Akiko Ueda, Takato Mouri, Michitsugu Komeda, Mika Nagaoka, Yuichi Momoe, Noriko Nonoguchi, Kyoko Hoshida, Yosuke Miwa, Ikuko Togashi, Toshiaki Sato, Kyoko Soejima, Kyorin University Hospital (Japan)

SAT-PP05-051 Posterior Papillary Muscle VT Ablation in Pediatric Patients

Ulhas Pandurangi, Deep Chandh Raja, Sabari Saravanan, Anitha Sathishkumar, Benjamin Solomon, Ravikumar Murugesan, Madras Medical Mission (India)

SAT-PP05-052 Diurnal Variation of Frequency Domain T Wave Alternans on 24-Hour Ambulatory Electrocardiogram in Subjects without Heart Disease: Significant Effect of Autonomic Nervous Activity of the Heart

Bonpei Takase, Kenichi Hashimoto, National Defense Medical College (Japan)

SAT-PP05-053 Apparent Low Voltage Zone Caused by Two-Layer Structured Geometry in Epicardial Mapping

Satoshi Miyazawa, Seiji Fukamizu, Tomoyuki Arai, Kohei Kawajiri, Sho Tanabe, Sayuri Tokioka, Yasuki Koyano, Daisuke Miyahara, Marina Arai, Dai Inagaki, Tomonori Miyabe, Iwanari Kawamura, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Tokyo Metropolitan Health and Hospitals Corporation Ohkubo Hospital (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University (Japan)

SAT-PP05-055 Acute Outcomes Associated with Mapping Ischemic VT using a Novel High-Density Grid-Style Catheter

Paolo Della Bella, Ospedale San Raffaele (Italy), Ikandar Djajadisastra, Ingo Kreis, St. Johannes-Hospital Dortmund (Germany), Bertrand Pierre, C.H.R.U. TOURS (France), Michele Brunelli, Klinikum Magdeburg (Germany), Javier Moreno, Ramon Cajal (Spain), Ivo Roca-Luque, Hospital Vall d'Hebron (Spain), Peter Gora, Abbott (United States), Arian Sultan, Uniklinikum Köln (Germany)

SAT-PP05-056 Catheter Ablation for Electrical Storm in Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia: Favorable Long-term Outcome

Daljeet Kaur Saggu, Debabrata Bera, Kotti K, Sachin Yalagudri, Calambur Narasimhan, Swpna Nalla, CARE Hospitals (India)

SAT-PP05-057 Multielectrode, High Density Endocardial Mapping of Focal PVCs: New Insights into Activation Patterns and Potential Epicardial Connections

Justin Ng, Paul Stobie, Arie Keren, Sir Charles Gairdner Hospital (Australia), Tobias Reichlin, University Hospital Bern (Switzerland), Binita Chhachhi, Boston Scientific (Australia), Roy John, William Stevenson, Vanderbilt University Hospital (United States)

SAT-PP05-058 Late-onset Ventricular Septal Perforation after Catheter Ablation for Ventricular Tachycardia in a Patient with Cardiac Sarcoidosis: A Case Report

Seiya Izumi, Kaito Yamada, Keima Wayama, Takahide Kadosaka, Yuta Kagaya, Kenjiro Sato, Masanori Kanazawa, Masateru Kondo, Hideaki Endo, Toru Takahashi, Akihiro Nakamura, Eiji Nozaki, Iwate Prefectural Central Hospital (Japan)

SAT-PP05-059 Low Ablation Index Predicts Late Pulmonary Vein Reconnection in Catheter Ablation for Atrial Fibrillation

Tasuku Yamamoto, Shingo Maeda, Kiko Lee, Masahiro Sekigawa, Atsuhiko Yagishita, Yoshihide Takahashi, Mihoko Kawabata, Masahiko Goya, Kenzo Hirao, Tokyo Medical and Dental University (Japan)

SAT-PP05-060 Etiology and Clinical Outcomes of Syncope in Patients with Structural Heart Disease and Negative Electrophysiology Study: A Prospective Study Using Implantable Loop Recorder

Deepak Padmanabhan, Mukund Prabhu, Bharatraj Banavalikar, Jayprakash Shenthar, Jayadeva Institute of Cardiovascular Sciences (India)

SAT-PP05-061 The Long-term Outcome of Catheter Ablation for Malignant Outflow Tract Ventricular Tachycardia in Patients without Structural Heart Disease

Yoo Ri Kim, Sung-Hwan Kim, Young Choi, Yong-Seog Oh, Man Young Lee, Tai-Ho Roh, The Catholic University of Korea (South Korea), Gi-Byoung Nam, Kee-Joon Choi, You-Ho Kim, Asan Medical Center (South Korea)

SAT-PP05-062 Ablation of Ventricular Tachycardia in Patients with Structural Heart Disease and Electrical Storm

Shibu Mathew, Thomas Fink, Tilmann Maurer, Bruno Reismann, Christine Lemeš, Andreas Metzner, Andreas Rillig, Karl-Heinz Kuck, Feifan Ouyang, Asklepios St. Georg (Germany)

SAT-PP05-064 Procedural Outcome of Premature Ventricular Complexes Ablation : A Single Center Experience

Ahmad Suhaimi Mustafa, Nuratiqah Izzah Sharidon, Yi Zhi Cheng, Ahmad Faiz Mohd Ezanee, Gerard Jason Mathews, Tan Ru Hoi, Ahmad Shukri Saad, Hazleena Hasnan, Kantha Rao Narasamuloo, Saravanan Krishnan, Hospital Sultanah Bahiyah (Malaysia)

SAT-PP05-065 Can Premature Ventricular Contraction Treatments Prevent Cardiac Remodeling? Experience from a Tertiary Medical Center

Yi-Sheng Chen, Wei-Di Chen, Yin-Huei Chen, Kuan-Cheng Chang, Yen-Nien Lin, China Medical University Hospital (Taiwan)

SAT-PP05-068 Bi-Modal Pattern and Timing of Premature Ventricular Complex Recurrence Following Successful Catheter Ablation

David Krummen, Derek Lee, Jonathan Hsu, Ulrika Birgersdotter-Green, Gordon Ho, Farshad Raissi, Gregory Feld, Kurt Hoffmayer, University of California San Diego and VA San Diego Healthcare System (United States)

SAT-PP05-069 Comparison of Demographic Profile of Patients Undergoing Implantable Cardioverter Defibrillator (ICD)

Implantation: A Tertiary Care Centre Study

Aparna Jaswal, Anil Saxena, Habiba V, Vaishali Katyal, Fortis Escorts Heart Institute (India)

SAT-PP05-070 Substrate Characterization and Distribution in Patients with Antiarrhythmic Drug-Refractory Ventricular Fibrillation Undergoing Catheter Ablation

David Krummen, Gordon Ho, Kurt Hoffmayer, Franz Schweis, Aaron Bradshaw, University of California San Diego and VA San Diego Healthcare System (United States), Tina Baykaner, Paul Wang, Mohan Viswanathan, Sanjiv Narayan, Stanford University (United States), Wouter-Jan Rappel, University of California San Diego (United States)

SAT-PP05-071 A Demographic Profile of Patients Undergoing Implantable Cardioverter Defibrillator Therapy (ICD): A Tertiary Care Centre Study, Four Years (2014-2017) Experience

Aparna Jaswal, Anil Saxena, Habiba V, Vaishali Katyal, Fortis Escorts Heart Institute (India)

SAT-PP05-072 Cardiac Structure and Function between Patients with Frequent Outflow Tract and Non-Outflow Tract Premature Ventricular Complexes

Wei-Di Chen, Yi-Sheng Chen, Yin-Huei Chen, Kuan-Cheng Chang, Yen-Nien Lin, China Medical University Hospital (Taiwan)

SAT-PP05-073 Ventricular Arrhythmias in Granulomatous Myocarditis: Ablation or Medical Management

Suresh Allamsetty, Apollo Hospitals Visakhapatnam (India)

SAT-PP05-074 The Clinical Characteristics in Patients with Hypertrophic Cardiomyopathy Related Ventricular Arrhythmia

Atsuyuki Watanabe, Saori Tsukuda, Masakazu Miyamoto, Yoshimasa Morimoto, Koji Nakagawa, Nobuhiro Nishii, Kazufumi Nakamura, Hiroshi Morita, Hiroshi Ito, Okayama University (Japan)

SAT-PP05-075 Management of Patients with Syncopal Episodes in Emergency Department in Kitasato University Hospital

Ryo Nishinarita, Shinnichi Niwano, Hidehira Fukaya, Gen Matsuura, Yuki Arakawa, Shuhei Kobayashi, Yuki Shirakawa, Ai Horiguchi, Hironori Nakamura, Naruya Ishizue, Gen Igarashi, Jun Kishihara, Jun Oikawa, Junya Ako, Naoyoshi Aoyama, Kitasato University School of Medicine (Japan)

SAT-PP05-076 Usefulness of Implantable Loop Recorder as the Device for Detecting Cardiac Arrhythmias

Yasuyuki Takada, Yoshinao Yazaki, Shuichiro Kazawa, Tomoko Sakaida, Kazuhiro Satomi, Taishirou Chikamori, Tokyo Medical University Hospital (Japan)

SAT-PP05-077 Association between QTc Interval Prolongation with the In-Hospital Major Cardiovascular Events of Non-ST Segment Elevation Myocardial Infarction Patients in Dr. M. Djamil Hospital Padang

Iman Fatullah, Hauda El Rasyid, Didik Hariyanto, Masrul Syafri, Muhammad Syukri, Andalas University, Dr. M. Djamil Hospital (Indonesia)

SAT-PP05-080 Long-term Clinical Impact of Sinus Rhythm Restoration in Atrial Fibrillation Patients with Heart Failure with Mid-Range Ejection Fraction

Yong-Soo Baek, Dae-Young Kim, Jin-Hee Park, Gwang-Seok Yoon, Seong-Huan Choi, Kyu-Yong Ko, Sang-Don Park, Sung-Woo Kwon, Sung-Hee Shin, Seong-Ill Woo, Dae-Hyeok Kim, Jun Kwan, Inha University Hospital (South Korea)

SAT-PP05-081 Fragmented QRS Complex is a Surrogate Marker of Diastolic Reserve in Patients with Structurally Normal Heart

Yun Young Choi, Jin-Bae Kim, Jung Myung Lee, Won Kim, Jong Shin Woo, Woo-Shik Kim, Soo Joong Kim, Kyung Hee University (South Korea)

SAT-PP05-082 Vietnam Experiences in Treating Severe Heart Failure by CRT

Pham Quoc Khanh, Vietnam Heart Institute (Vietnam)

SAT-PP05-083 Sensitivity of the Heartlogic™ Algorithm Remains High in the Early Months Post Implant

Pramod Thakur, Viktoria Averina, Qi An, Pramod Thakur, Yi Zhang, Julie Thompson, Kenneth Stein, Boston Scientific (United States), John Boehmer, Penn State Hershey Medical Center (United States)

SAT-PP05-084 Electrocardiographic Changes in Patients with Severe Anthracyclines Related Cardiomyopathy

Rei Mimuro, Hiroshi Hayashi, Masato Hachisuka, Yujin Maru, Yuhi Fujimoto, Eiichiro Oka, Kanako Hagiwara, Teppei Yamamoto, Kenji Yodogawa, Yu-ki Iwasaki, Wataru Shimizu, Nippon Medical School Hospital (Japan)

SAT-PP05-085 Fluid Overload Identified by Thoracic Impedance and Burden of Atrial Fibrillation Detected by Implantable Devices are Independently Associated with Risk for Comorbid Clinical Events for Indian Patients

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SAT-PP05-086 A Demographic Profile of Patients Undergoing Cardiac Resynchronisation Therapy (CRT-D/CRT-P): A Single Centre Study; Five Years (2012-2017) Experience

Aparna Jaswal, Anil Saxena, Habiba V, Vaishali Katyal, Vipul Gupta, Fortis Escorts Heart Institute (India)

SAT-PP05-087 Radiofrequency Catheter Ablation in Children with Tachyarrhythmias

Suraya Hani Kamsani, Keng Tat Koh, Giky Karwiky, Aslannif Roslan, Chan Ho Thum, Zunida Ali, Noor Asyikin Sahat, Azlina Daud, Amirzua Ahmad Said, Gina Dayang Manit, Zulkeflee Muhammad, Surinder Kaur Atma Singh, Azlan Hussin, Institut Jantung Negara (Malaysia)

SAT-PP05-089 T-Wave Alternans Induced by Sudden Heart Rate Acceleration in an Infant with Timothy Syndrome

Junichi Ozawa, Yuuki Itoh, Masanori Tsukada, Fujito Numano, Satoshi Hoshina, Akihiko Saitoh, Niigata University (Japan), Seiko Ohno, National Cerebral and Cardiovascular Center (Japan), Minoru Horie, Shiga University of Medical Science (Japan)

SAT-PP05-090 Electrophysiological Properties of ATP Sensitive AT in 6 Children

Shota Muraji, Naokata Sumitomo, Hitoshi Mori, Tomohiko Imamura, Toshiki Kobayashi, Saitama Medical University International Medical Center (Japan), Noriyuki Iwashita, Keio University (Japan), Akiko Komori, Nihon University School of Medicine (Japan)

SAT-PP05-091 Atrial Remodeling Assessed Using Speckle Tracking Echocardiography in Adult Patients with Trans-Catheter Septal Closure for Atrial Septal Defect

June Huh, Samsung Medical Center (South Korea), Jin Kyung Hwang, Veterans Health Service Medical Center (South Korea), Hye Bin Gwag, Kyoung-min Park, Young Keun On, June Soo Kim, Samsung Medical Center (South Korea)

SAT-PP05-092 Utility of a Rhythmia Mapping System in the Catheter Ablation of Pediatric Arrhythmias

Hitoshi Mori, Syota Muraji, Naokata Sumitomo, Ritsushi Kato, Tomohiko Imamura, Yoshifumi Ikeda, Koji Goto, Sayaka Tanaka, So Asano, Mai Tahara, Toshiki Kobayashi, Kazuo Matsumoto, Saitama Medical University International Medical Center (Japan)

SAT-PP05-093 Reappraisal of Electrocardiographic Changes in Pediatric Patients with Acute Myocarditis

Ken-Pen Weng, Kaohsiung Veterans General Hospital (Taiwan)

SAT-PP05-094 **Usefulness of a Novel Ultra-High Resolution 3-D Arrhythmia Mapping for Catheter Ablation for Patients after Surgery of Complex Congenital Heart Disease**

Toyohara Keiko, Tokyo Women's Medical University (Japan)

SAT-PP05-095 **Cardiac Resynchronization Therapy for Children with Congenital Heart Disease**

Yuji Doi, Shizuoka Children's Hospital (Japan)

SAT-PP05-096 **The QT Variability Index is Associated with Autonomic Tone in Children without Heart Disease**

Hirofumi Kusuki, Yuka Tuchiya, Keiko Sugimoto, Keisuke Osakabe, Naohiro Ichino, Arisa Kojima, Masafumi Miyata, Tadayoshi Hata, Fujita Health University (Japan), Yuri Mizutani, Misa Hosoi, Fujita Health University Hospital (Japan), Tsuneaki Sadanaga, Seigato Hospital (Japan)

SAT-PP05-097 **Long-term Follow-up of Epicardial Pacing and Left Ventricular Dysfunction in Patients with Congenital Complete Heart Block**

Mi Kyoung Song, Eun Jung Bae, Gi Beon Kim, Hye Won Kwon, Sang Yun Lee, Seoul National University Children's Hospital (South Korea)

SAT-PP05-098 **Risk Factors and Prevalence of Long-term Arrhythmia in Heterotaxy Syndrome: Results from the Isomerhythm STUD**

Wakana Maki, Ohta Nishinouchi Hospital (Japan), Hiroko Asakai, Yasutaka Hirata, Yoichiro Hirata, Ryo Inuzuka, University of Tokyo Hospital (Japan), Yui Ozawa, Chigasaki Municipal Hospital (Japan), Shinichiro Sakaki, Hiromichi Nakajima, Chiba Children's Hospital (Japan), Nobutaka Shimizu, Hiroshi Ono, National Center for Child Health and Development (Japan)

SAT-PP05-099 **Autonomic Function and the QT Interval during Night Time Sleep in Infants with Long QT Syndrome**

Masao Yoshinaga, Yu Kucho, National Hospital Organization Kagoshima Medical Center (Japan), Hiroya Ushinohama, Ohori Children's Clinic (Japan), Yuichi Ishikawa, Fukuoka Children's Hospital (Japan), Seiko Ohno, National Cerebral and Cardiovascular Center (Japan), Hiromitsu Ogata, Kagawa Nutrition University (Japan)

SAT-PP05-100 **Safety and Follow-up of Endocardial Lead Implantation for Permanent Pacing in Small Children**

Dicky Hanafy, Yohanes Triatmanto, Dony Yugo Hermanto, Sunu Budhi Raharjo, Yoga Yuniadi, National Cardiovascular Centre Harapan Kita (Indonesia)

SAT-PP05-102 **QRS Dispersion Relate to Ventricular Function in Children and Young Adult Fontan Patients**

Ji-Eun Ban, Se Jung Sohn, Young Mi Hong, Jeong Jun Park, Jae Jin Han, Dong Man Seo, Ewha University Medical Center (South Korea)

SAT-PP05-103 **Chronic Arrhythmias after Cardiac Surgery with Congenital Heart Disease in the Single Center**

Emi Misugi, Hisaaki Aoki, Osaka Women's and Children's Hospital (Japan)

SAT-PP05-104 **Successful Transmaternal Pharmacotherapy with Nadolol in a Fetus with Long QT Type 2 Presented with Torsade de Pointes**

Yuriko Shima, Hitoshi Horigome, Lisheng Lin, Yoshihiro Nozaki, Takumi Ishiodori, Yusuke Yano, Hiro Yamasaki, Miho Takahashi, Takashi Murakami, Hidetoshi Takada, University of Tsukuba (Japan)

SAT-PP05-105 **Arrhythmias in Children with Myocarditis**

Govind Rasal, Ganesh Manudhane, Yash Lokhandwala, Ketan Amberdekar, Lokmanya Tilak Municipal Medical College and Hospital (India)

SAT-PP05-106 **Catheter Ablation of Ventricular Arrhythmias Originating from the Pulmonary Sinus Cusp in Children**

Tian Liu, Shaoying Zeng, Dongpo Liang, Guangdong General Hospital (China)

SAT-PP05-107 **Ectopic Atrial Tachycardia and Reversible Myocardial Dysfunction Caused by Enterovirus 71 Infection**
Sarin Lekchuensakul, King Chulalongkorn Memorial Hospital (Thailand), Supaluck Kanjanauthai, Siriraj Hospital (Thailand), Apichai Khongphatthanayothin, Chulalongkorn University, and Bangkok General Hospital (Thailand)

SAT-PP05-108 **Results of Catheter Ablation for Asymptomatic WPW Syndrome**
Hisaaki Aoki, Misugi Emi, Futoshi Kayatani, Osaka Women's and Children's Hospital (Japan), Yoshihide Nakamura, Kindai University Faculty of Medicine (Japan)

SAT-PP05-109 **Atrioventricular Nodal Reentrant Tachycardia Ablation in Pediatric Single Ventricle Patient**
Supaluck Kanjanauthai, Satchana Pumprueg, Faculty of Medicine Siriraj Hospital (Thailand), Sarin Lekchuensakul, Apichai Khongphatthanayothin, King Chulalongkorn Memorial Hospital (Thailand)

SAT-PP05-110 **MRI Characteristics and Clinical Prognosis of Apical Versus Non-Apical Hypertrophic Cardiomyopathy**
Kit Chan, Chun Ting Zhao, Ming Ya Liu, Linda Lam, Kai Hang Yiu, Hung Fat Tse, The University of Hong Kong Shenzhen Hospital (China)

SAT-PP05-111 **Ablation for Accessory Pathway Induced Cardiomyopathy in Children: Case Report and Literature Review**
Dong-po Liang, Shao-ying Zeng, Guangdong Cardiovascular Disease Institute (China)

SAT-PP05-112 **Sustained Ventricular Tachycardia in a Patient with Uncorrected Tetralogy of Fallot and Persistent Left Superior Vena Cava**
Jerome Reymatas, Eddieson Gonzales, Michael-Joseph Agbayani, University of the Philippines - Philippine General Hospital (Philippines)

SAT-PP05-113 **Pathophysiological Characteristics of the End-Stage PRKAG2 Cardiomyopathy**
Yang Liu, Feng Wang, Xin Chen, Hai Deng, Yumei Xue, Shulin Wu, Guangdong General Hospital (China)

SAT-PP05-114 **Acquired Long QT Syndrome and Cardiac Syncope Posterior to Ablation for Accessory Pathway: A Case Report**
Shao-ying Zeng, Dong-po Liang, Guangdong Cardiovascular Disease Institute (China)

SAT-PP05-115 **Influenza Vaccination Reduces Risk of Dementia in Patients with Atrial Fibrillation: A Population-Based Cohort Study**
Chun-Chao Chen, Chung-Hsing Lin, Yi-Ping Hsu, Ju-Chi Liu, Shuang Ho Hospital, Taipei Medical University (Taiwan)

SAT-PP05-116 **Influenza Vaccination Reduces Risk of Atrial Fibrillation in Patients with Gout: A Nationwide Population-Based Study**
Chun-Chao Chen, Chung-Hsing Lin, Yi-Ping Hsu, Ju-Chi Liu, Shuang Ho Hospital, Taipei Medical University (Taiwan)

SAT-PP05-117 **Development of Self Management E-Health Tool Study**
Wei-Yan Aloysius Chia, Boon Piang Cher, Kai Yee Toh, National University of Singapore (Singapore), Toon Wei Lim, National University Heart Centre (Singapore)

SAT-PP05-118 **Physical Activity and Risk of Atrial Fibrillation: A Nationwide Cohort Study in Asian General Population**
Moo-Nyun Jin, Hee Tae Yu, Tae-Hoon Kim, Jae-Sun Uhm, Hui-Nam Pak, Boyoung Joung, Yonsei University Health System (South Korea), Pil-Sung Yang, Bundang CHA University College of Medicine (South Korea)

SAT-PP05-119 **Knowledge Gaps Affect Technology Acceptance Model of Atrial Fibrillation Alert System: An Example of the Chinese Edition of the Jessa Atrial Fibrillation Knowledge Questionnaire**

Wei-Ru Chiou, Taitung MacKay Memorial Hospital (Taiwan), Lien Desteghe, Hein Heidebuchel, Hasselt University (Belgium), Ying-Hsiang Lee, MacKay Memorial Hospital (Taiwan), Po-Lin Lin, Hsinchu MacKay Memorial Hospital (Taiwan), Yi-Cheng Chen, National Taitung University, (Taiwan)

SAT-PP05-120 **Ventricular Tachycardia in a Patient with Hypertrophic Obstructive Cardiomyopathy and Fabry Disease**

Sou Takenaka, Akihiko Ueno, Hideaki Sato, Toda Chuo General Hospital (Japan)

SAT-PP05-121 **Delayed Imaging of Cardiac CT is Promising Modality in Detecting Cardiac Involvement of Sarcoidosis**

Shinji Ishimaru, Takayaoshi Yamaguchi, Mariko Kawasaki, Risa Kakinoki, Kuniharu Nishimura, Teppei Sugaya, Tadashi Igarashi, Hiroaki Okabayashi, Jungo Furuya, Keiichi Igarashi, Hanaoka Seishu Memorial Cardiovascular Clinic (Japan)

SAT-PP05-122 **Ventricular Tachycardia Accompanied by Various Electrocardiographic Changes Appeared after Bundle Branch Ablation for BBR-VT**

Naohiko Sahara, Ota Memorial Hospital (Japan), Keiji Nakamura, Takayuki Shimizu, Yoshinari Enomoto, Ohashi Hospital, Toho University (Japan) Kaoru Sugi, Odawara Cardiovascular Hospital (Japan)

SAT-PP05-123 **Three Different Types of Tachyarrhythmias and QT Prolongation in a Patient with Caffeine Intoxication**

Yuki Sahashi, Nobuhiro Takasugi, Takashi Nakashima, Masanori Kawasaki, Gifu University Hospital (Japan)

SAT-PP05-124 **Now You See Me, Now You Don't Transient Brugada Pattern in a Patient with Guillain-Barre Syndrome : A Case Report**

Maria Francesca Quiambao, Marcellus Francis Ramirez, University of Santo Tomas Hospital (Philippines)

SAT-PP05-125 **Successful Bipolar Radiofrequency Catheter Ablation for Ventricular Premature Complexes Arising from the Anterior Papillary Muscle of the Left Ventricle**

Marina Arai, Seiji Fukamizu, Tomoyuki Arai, Kohei Kawajiri, Dai Inagaki, Tomonori Miyabe, Iwanari Kawamura, Satoshi Miyazawa, Rintaro Hojo, Tokyo Metropolitan Hiroo Hospital (Japan), Harumizu Sakurada, Tokyo Metropolitan Health and Hospitals Corporation Ohkubo Hospital (Japan), Masayasu Hiraoka, Tokyo Medical and Dental University (Japan)

SAT-PP05-126 **Serial Observation of Electrocardiographic Responses to Corticosteroid Therapy in a Patient with Right Ventricular-Predominant Cardiac Sarcoidosis**

Hiroyuki Toh, Shumpei Mori, Marika Keno, Shun Yokota, Yuto Shinkura, Yu Izawa, Yuichi Nagamatsu, Shinsuke Shimoyama, Koji Fukuzawa, Ken-ichi Hirata, Kobe University Graduate School of Medicine (Japan), Tomofumi Doi, Japanese Red Cross Kobe Hospital (Japan)

SAT-PP05-127 **Man-Made Torsade de Pointes in a COPD Patient Receiving Gefitinib and Amiodarone**

Dan Han, Hui Tan, Guoliang Li, The First Affiliated Hospital of Xi'an Jiaotong University (China)

SAT-PP05-128 **Global Early Repolarization Syndrome in a Young Male Treated with Cilostazol**

Mary Lauren Europa, Manila Doctors Hospital (Philippines), Ace Samson, Stephanie Obillos, University of the Philippines, Philippine General Hospital (Philippines), Maria Grethel Dimalala, Anthony Leachon, Michael-Joseph Agbayani, Manila Doctors Hospital (Philippines)

SAT-PP05-129 **Mid-Diastolic Potential Mislead the Automatic Annotation in PVC Ablation**

Simon Salim, Muhammad Yamin, Angga Pramudita, Rubiana Sukardi, Cipto Mangunkusumo National General Hospital (Indonesia)

- SAT-PP05-130 **Life-Threatening Ventricular Dysrhythmias Induced by Temporary Pacemaker Insertion**
Arif Mansjoer, Eka Ginanjar, Simon Salim, Ika Prasetya Wijaya, Muhammad Yamin, Cipto Mangunkusumo National General Hospital (Indonesia)
- SAT-PP05-131 **Concomitant Moderator Band PVC with LV Summit PVC Ablation**
Muhammad Yamin, Simon Salim, Angga Pramudita, Rubiana Sukardi, Cipto Mangunkusumo National General Hospital (Indonesia)
- SAT-PP05-132 **Iatrogenic Nonsustained Ventricular Tachycardia due to Sensing Failure of Single Chamber Temporary Pacemaker**
Angga Pramudita, Muhammad Yamin, Dono Antono, Simon Salim, Cipto Mangunkusumo National Referral Hospital (Indonesia)
- SAT-PP05-133 **Discrete Prepotential of Idiopathic Ventricular Arrhythmia Originating from the Aortomitral Continuity**
Hiroo Kobayashi, Takasaki General Medical Center (Japan)
- SAT-PP05-134 **Successful Ablation of a Ventricular Tachycardia Storm in a Patient with End-Stage Cardiac Sarcoidosis**
Akira Maesato, Sugako Ishigaki, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)
- SAT-PP05-135 **Successful Ablation of a Ventricular Tachycardia Storm in a Patient with Idiopathic Dilated Cardiomyopathy**
Akira Maesato, Sugako Ishigaki, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)
- SAT-PP05-136 **Ventricular Tachycardia Ablation in Right Coronary Cusp in Repaired Tetralogy of Fallot**
Nilubon Methachittiphan, Melissa Robinson, University of Washington (United States)
- SAT-PP05-137 **A Case of Idiopathic Right Ventricular Outflow Tract Ventricular Arrhythmia Effectively Treated in the Pulmonary Sinus Cusps**
Hiroaki Nakamura, Hideshi Aoyagi, Yasuhiro Yokoyama, St Luke's International Hospital (Japan)
- SAT-PP05-138 **Epinephrine-Induced Marked QT Prolongation in Patients with Type-3 Long QT Syndrome**
Tadashi Nakajima, Yoshiaki Kaneko, Reika Kawabata, Takashi Iizuka, Shuntaro Tamura, Yukie Sano, Hiroshi Hasegawa, Tadanobu Irie, Yoshiaki Ohyama, Masahiko Nishiyama, Masahiko Kurabayashi, Gunma University (Japan), Yoshinao Sugai, Koji Kumagai, Shigeto Naito, Gunma Prefectural Cardiovascular Center (Japan)
- SAT-PP05-139 **Successful Ablation of an Electrical Storm in a Patient with Hypertrophic Cardiomyopathy and Apical Aneurysm Supported by Extracorporeal Membrane Oxygenation (ECMO)**
Miyako Igarashi, Yohei Sumino, Takatsugu Kajiyama, Akinori Sugano, Satoshi Hara, Yoshikazu Sato, Yuichi Hanaki, Kazuya Yamao, Shigeki Kusa, Hitoshi Hachiya, Yoshito Iesaka, Tsuchiura Kyodo General Hospital (Japan), Akihiko Nogami, University of Tsukuba (Japan)
- SAT-PP05-140 **Early Repolarization Syndrome: Dangerous or Not**
Long Vien, Khanh Pham Quoc, Vietnam National Heart Institute - Bachmai Hospital (Vietnam)
- SAT-PP05-141 **An Unusual Source of Ventricular Tachycardia Induction in a Severely Diseased Heart**
Vivek Chaturvedi, Narayana Superspeciality Hospital (India), Susheel Kumar, Sanjeev Kathuria, Ankit Bansal, Sanjay Tyagi, GB Pant Hospital (India)

SAT-PP05-142 **Successful Radiofrequency Catheter Ablation for Ventricular Tachycardia on the Noncoronary Cusp of the Aortic Valves**

Takafumi Okuyama, Tomonori Watanabe, Yasuhiro Yokoyama, Ayako Yokota, Takahiro Komori, Tomoyuki Kabutoya, Yasushi Imai, Kazuomi Kario, Jichi Medical University Hospital (Japan)

SAT-PP05-143 **Unstable QT Interval Dynamics Precedes Ventricular Fibrillation Onset in a Patient with Acute Myocardial Infarction due to a Subtotal Occlusion in the Proximal Segment of the LAD Artery**

Haixia Xu, Xiang Wu, Yinhao Huang, Qi Lu, Affiliated Hospital of Nantong University (China)

SAT-PP05-144 **Two Cases of Idiopathic Outflow Tract Ventricular Tachycardia in Peripartum Period**

Yuki Shirakawa, Jun Kishihara, Hidehira Fukaya, Shinichi Niwano, Gen Matsuura, Yuki Arakawa, Shuhei Kobayashi, Ryo Nishinarita, Ai Horiguchi, Naruya Ishizue, Jun Oikawa, Gen Igarashi, Junya Ako, Kitasato University School of Medicine (Japan)

SAT-PP05-145 **Accelerated Idiopathic Ventricular Rhythm in Patient Post Transcatheter Aortic Valve Implantation**

Chien-wei Chang, Chang-Jen Chen, Kun-Tai Lee, Kaohsiung Medical University Hospital (Taiwan)

SAT-PP05-146 **A Successful Endocardial Radiofrequency Ablation Case with Ventricular Arrhythmia Originated from Left Ventricular Summit using a Long Application Time**

Akira Saito, Yasuhiro Yokoyama, Hideshi Aoyagi, Hiroaki Nakamura, St.Luke's International Hospital (Japan)

SAT-PP05-147 **The Effectiveness of Mepivacaine for Ganglion Blockage in Electrical Storm**

Nguyen Dang, Korean University Medical Center (South Korea), Young-Hoon Kim, Korean University Medical Center, Anam Hospital (South Korea)

SAT-PP05-148 **Syncope or Seizures? A Case of Pediatric Cardiomyopathy Presented with Recurrent Episodes of Unresponsiveness**

Hiren Kevadiya, Narayanan Namboodiri K.K., Krishna Kumar M., Abhilash S.P., Ajithkumar V.K., Sree Chitra Thirunal Institute of Medical Sciences and Technology (India)

SAT-PP05-149 **Cor Triatrium Dexter (CTD) Is an Extremely Rare Congenital Heart Defect. We Report the First Ablation of Right Ventricular Outflow Tract (RVOT) Ventricular Tachycardia (VT) in a Patient with CTD and Situs Inversus Abdominalis (SIA)**

Tung Chen Yeh, Chun Peng Liu, Ching Jiunn Tseng, Kaohsiung Veterans General Hospital (Taiwan), Sascha Rolf, Gerhard Hindricks, University Leipzig (Germany)

SAT-PP05-150 **Malignant Early Repolarization Syndrome: First Case Series in Indonesia**

Kana Elka, Beny Hartono, Johan Senihardja, Gunawan Yoga, Muhammad Munawar, Binawaluya Heart Centre (Indonesia)

SAT-PP05-151 **Exercise Induced Concomitant ST Segment Elevation of Lead AVR and V1**

Wan-Ting Hsu, Chia-Lin Chou, Yu-Feng Hu, Yenn-Jiang Lin, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

SAT-PP05-152 **Lesion Index and Fractionated Potential Guided Ablation for Electrical Storm in Patients with Dilated Cardiomyopathy**

Kana Shichijo, JCHO Osaka Hospital (Japan)

SAT-PP05-153 **Alternans Alternatives**

John Fitzgerald, Malcolm Barlow, James Leitch, Nicholas Jackson, John Hunter Hospital (Australia)

SAT-PP05-154 **Appearance of Premature Atrial and Ventricular Contractions after Switching from Brand to Generic Cibenzone**

Gaku Oguri, Katsuhito Fujiu, Toshiya Kojima, Eriko Hasumi, Issei Komuro, University of Tokyo (Japan)

SAT-PP05-155 **Electric Storm and Ventricular Tachycardia Ablation in Left Ventricular Non-Compaction- A Case Report**

Hung-Pin Wu, Kuo-Hung Lin, China Medical University Hospital (Taiwan)

SAT-PP05-156 **A Case Report of Dilated Cardiomyopathy Reversible after Premature Ventricular Contraction Ablation**

Tea Chhang, Tam Duc Heart Hospital (Vietnam)

SAT-PP05-157 **Bilateral Cervicothoracic Sympathectomy for the Management of VT Storm in ARVC**

Deepak Padmanabhan, Bharatraj Banavalikar, Sanjai PV, Inotan Sinam, Jayprakash Shenthara, Jayadeva Institute of Cardiovascular Sciences (India)

SAT-PP05-158 **Congenital Long QT Syndrome: A Case Report**

Catherine Cataluna, Philippine Heart Center (Philippines), Erdie C. Fadreguilan, Cardiology Adult Electrophysiology (Philippines)

SAT-PP05-159 **Macroreentrant Idiopathic Ventricular Tachycardia Originating from the Right Bundle Branch**

Yang Liu, Hongtao Liao, Wei Wei, Yumei Xue, Shulin Wu, Guangdong General Hospital (China), Michael Shehata, Xunzhang Wang, Cedars Sinai Medical Center (United States)

SAT-PP05-160 **A Case Magnetic Resonance Imaging (MRI) was Useful to Distinguish Cardiac Metastasis from Right Ventricular Improvement in Hypertrophic Myocardopathy (HCM) Developing Ventricular Tachycardia (VT)**

Miyu Hayashida, Jun Kumanomido, Yoichi Sugiyama, Koutatsu Shimozono, Jinya Takahashi, Kensuke Hori, Norifumi Nishida, Aya Obuchi, Go Haraguchi, Kurume University School of Medicine (Japan), Takaharu Nakayoshi, Masanori Ohtsuka, Masatsugu Ohe, Yoshihiro Fukumoto, Kurume University School of Medicine, (Japan)

SAT-PP05-161 **Scleroderma Heart Disease Presenting as Polymorphic Ventricular Tachycardia: A Case Report**

Armand Delo Tan, Aurora Lorenzana, Erdie Fadreguilan, Philippine Heart Center (Philippines)

SAT-PP05-162 **Symptomatic Accelerated Idioventricular Rhythm is Associated with Right Ventricular Failure: A Case Report**

Ting-Chun Huang, Chun-Hsiung Tsai, Po-Tseng Lee, Ju-Yi Chen, National Cheng Kung University Hospital (Taiwan)

SAT-PP05-163 **Pericardial Adhesion Induced Non-Ischemic Ventricular Tachycardia Mimicking Ischemic Ventricular Tachycardia in an Acute Myocardial Infarction Patient**

Sung-Hao Huang, National Yang-Ming University Hospital (Taiwan), Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Tze-Fan Chao, Da-Chuan Duan, Jo-Nan Liao, Ting-Yung Chang, Chin-Yu Lin, Cheng-I Wu, Chih-Min Liu, Jennifer Jeanne Viera, Le Phat Tai, Chye Gen Chin, Shin-Huei Liu, Wen-Han Cheng, Shih-Ann Chen, Veterans General Hospital (Taiwan), Chung-Hsing Lin, Chun-Chao Chen, Shuang-Ho Hospital (Taiwan), Chieh-Mao Chung, Taichung Medical University Children's Hospital (Taiwan), Po-Tseng Lee, National Cheng-Kung University Hospital (Taiwan), Ching-Yao Chou, Shin Kong Wu Ho-Su Memorial Hospital (Taiwan), Allie Niu, Chang Bing Show Chwan Memorial Hospital (Taiwan)

SAT-PP05-164 **Successful Rapid High Density Mapping to Identify a Critical Conducting Channel for Ventricular Tachycardia in an Unstable Patient with a Durable Left Ventricular Assist Device**

Gordon Ho, Kurt Hoffmayer, Gregory Feld, Jonathan Hsu, David Krummen, University of California San Diego (United States), Yaron Mehl, Abbott (United States)

SAT-PP05-165 **An Early Repolarization Syndrome in a 39 Year Old Male Presenting with Sudden Cardiac Death and Treated with ICD: A Case Report**

Jennilyn O'yek, Jason Roy Bacani, Philippine Heart Center (Philippines)

SAT-PP05-166 **Successful Catheter Ablation of Short QT Syndrome with Ventricular Fibrillation**

Yoshimasa Morimoto, Hidenaru Yamaoka, Atsuyuki Watanabe, Hiroshi Morita, Saori Tsukuda, Masakazu Miyamoto, Satoshi Kawada, Koji Nakagawa, Nobuhiro Nishii, Kazufumi Nakamura, Hiroshi Ito, Okayama University Graduate School of Medicine (Japan)

SAT-PP05-167 **Subacute Myopericarditis Manifesting as Bidirectional Ventricular Tachycardia in a Young Filipino Female**

Marc Denver Tiongson, Lauro, IV Abrahan, Regalado Justin, Cunanan Elleen, Agustin Charlene, Michael Joseph Agbayani, Giselle Gervacio, Paolo Nikolai So, UP-Philippine General Hospital (Philippines)

SAT-PP05-168 **Recurrent Ventricular Tachycardia in Apical Hypertrophic Cardiomyopathy**

Titaya Sukhupanyarak, Tachapong Ngarmukos, Ramathibodi Hospital (Thailand)

SAT-PP05-169 **Ventricular Tachycardia Storm Ablation under Hemodynamic Support: A Conundrum of Misfortunate Events**

Jennifer Jeanne Vicera, Fa-Po Chung, Yenn-Jiang Lin, Shih-Lin Chang, Li-Wei Lo, Yu-Feng Hu, Tze-Fan Chao, Da-Chuan Duan, Jo-Nan Liao, Ting-Yung Chang, Chin-Yu Lin, Cheng-I Wu, Chih-Min Liu, Chieh-Mao Chuang, Chun-Chao Chen, Chye Gen Chin, Po-Tseng Lee, Shin-Huei Liu, Wen-Han Cheng, Le Phat Tai, Sung-Hao Huang, Allie Niu, Ching-Yao Chou, Ling Kuo, Shih-Ann Chen, Taipei Veterans General Hospital (Taiwan)

SAT-PP05-170 **The First Experience in Epicardial Ablation at Yangon General Hospital**

Nwe Nwe, Yangon General Hospital (Myanmar), Fa-Po Chung, Ting Yung Chang, Taipei Veteran General Hospital (Taiwan)

SAT-PP05-171 **A Patient with Right Ventricular Pacing-Induced Cardiomyopathy and Atrioventricular Block**

Weijian Huang, Shengjie Wu, Lan Su, Songjie Wang, The First Affiliated Hospital of Wenzhou Medical University (China)

SAT-PP05-172 **Scar Related Reentrant Ventricular Tachycardia just below the Mechanical Aortic Valve**

Emi Nakano, Tomoaki Hasegawa, Akihiro Suzuki, Eki Yutaka, Hitachi General Hospital (Japan), Tomoo Harada, St.Marianna University School of Medicine (Japan), Kazutaka Aonuma, University of Tsukuba (Japan)

SAT-PP05-173 **Surgical Ablation for Frequent PVCs Originating from the Left Ventricular Summit**

Fumito Miyoshi, Miwa Kikuchi, Yakahiro Furuya, Kaoru Tanno, Showa University Koto Toyosu Hospital (Japan)

SAT-PP05-174 **The First Long QT Syndrome Case in Vietnam with Electrical Storm Treated by Left Cardiac Sympathetic Denervation and Radiofrequency Ablation in Vietnam**

An Khanh Nu Ton, Dang Van Nguyen, Dan Buu Van Do, Tam Duc Heart Hospital (Vietnam)

SAT-PP05-175 **Successful Catheter Ablation for Incessant Ventricular Fibrillation**

Kotaro Fukumoto, Masanori Sakai, Shin Kashimura, Koji Negishi, Yokohama Municipal Citizen's Hospital (Japan)

SAT-PP05-176 **Successful Cryo-Ablation in a Patient with Frequent Ventricular Premature Contractions Originating from the Para-Hisian Region**

Sugako Ishigaki, Akira Maesato, Satoshi Higa, Makiminato Central Hospital (Japan), Nobumori Yagi, Nakagami Hospital (Japan)

SAT-PP05-177 Catheter Ablation of Non-Sustained Ventricular Tachycardia and Premature Ventricular Contractions Originating from the Aortomitral Continuity

Vo Kien Le, Duy Linh Nguyen, Tran Linh Pham, Vietnam National Heart Institute (Vietnam)

SAT-PP05-179 Impact of Right Ventricular Pacing on Intraventricular Flow Energy Loss: Implication for Pacing-Induced Cardiomyopathy

Yuki Arakawa, Hidehira Fukaya, Ryota Kakizaki, Gen Matsuura, Shuhei Kobayasi, Yuki Shirakawa, Ryo Nishinarita, Ai Horiguchi, Naruya Ishizue, Takeru Nabeta, Jun Oikawa, Jun Kishihara, Gen Igarashi, Shinichi Niwano, Junya Ako, Kitasato University School of Medicine (Japan)

SAT-PP05-180 Right Side Purkinje Ventricular Tachycardia

Yun Young Choi, Jin-Bae Kim, Jung Myung Lee, Woo-Shik Kim, Weon Kim, Soo Joong Kim, Kyung Hee University (South Korea)

3034 / SAT-PP05-181 Successful Catheter Ablation for Epicardial and Intramural Macro-Reentrant Ventricular Tachycardia from Endocardium by Identifying Invisible Intramural Slow Conduction Zone using Entrainment Pacing

Masato Okada, Koji Tanaka, Yuichi Ninomiya, Yuko Hirao, Takafumi Oka, Nobuaki Tanaka, Hiroyuki Inoue, Ryo Kitagaki, Katsuomi Iwakura, Kenshi Fujii, Koichi Inoue, Sakurabashi Watanabe Hospital (Japan)

SAT-PP05-183 Radiosurgery-Effective Method in the Treatment of Repetitive Ventricular Tachycardia in a Patient with Inoperable Cardiac Tumor

Jana Hašková, Peter Peichl, Jan Pirk, Jozef Kautzner, IKEM (Czech Republic), Jakub Cvek, Faculty Hospital (Czech Republic)

SAT-PP05-184 Alternate Site of Ablation in Patient of VT Storm with LV Apical Clot

Suresh Allamsetty, Apollo Hospitals (India)

SAT-PP05-185 Lyme Disease and Cardiac Sarcoidosis Management of Associated Ventricular Arrhythmias

Luigi Di Biase, Ricardo Avendano, Ulrich Jorde, Jorge Romero, Montefiore Medical Center (United States)

SAT-PP05-186 Short-Coupled Variant of Torsades De Pointes

Po-Sen Huang, Chi-Mei Medical Center (Taiwan)