

Thu., November 13

Room 4 | G303, 3F, North, PACIFICO Yokohama

Oral Presentation 1

PFA 1

16:10-17:20

Moderator : Koichiro Kumagai (Fukuoka Sanno Hospital)
 Moderator : Kohei Yamashiro (Heart rhythm center, Takatsuki general hospital)

- O1-1 Artificial Intelligence-Guided Pulsed-Field Ablation for Repeat Catheter Ablation of Atrial Fibrillation** 24
 Speaker : Devi G Nair (St. Bernards Medical Center & Arrhythmia Research Group)
- O1-2 First Reported Cases of Posterior Wall Ablation Using a Balloon-in-Basket PFA Catheter** 25
 Speaker : Helmut Purerfellner (Linz Elisabethinen)
 Co-Author : Gian Chierchia (UZ Brussels)
 Emily Wenzel (Abbott)
 Roland Tilz (UKSH Luebeck)
- O1-3 A Chronic GLP Safety Study to Evaluate Off-Label Use of the TactiFlex Focal PFA Catheter in the Healthy Canine Model** 26
 Speaker : Jonathan P Piccini (Duke University Department of Medicine)
- O1-4 Pulsed Field Ablation of Cavotricuspid Isthmus Ablation in Persistent Atrial Fibrillation with Continuous ECG Monitoring a Sub-Analysis of ADVANTAGE AF Phase 2** 26
 Speaker : Vivek Y Reddy (Mount Sinai Fuster Heart Hospital)
- O1-5 Comparative Study of Nanosecond and Microsecond Pulsed Field Ablation for Pulmonary Vein Isolation in Preclinical Models** 27
 Speaker : Hai-Yang Xie (Department of Cardiology, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University)
- O1-6 First Real-World Report of Experience with a Novel Balloon-in-Basket Pulsed Field Ablation Catheter** 27
 Speaker : Helmut Purerfellner (Linz Elisabethinen)

Room 7 | G316 + G317, 3F, North, PACIFICO Yokohama

Oral Presentation 2

AI, ECG monitoring (AI related)

10:10-11:20

Moderator : Katsuhito Fujiu (The University of Tokyo / Institute of Science Tokyo)
 Moderator : Tomofumi Nakamura (Nagoya Heart Center)

- O2-1 Evaluation of the Diagnostic Accuracy of AI-Based Interpretation by SmartRobin for One-Week Holter ECG Monitoring** 28
 Speaker : Yuki Kato (Japan Red Cross Yokohama City Bay Hospital, Japan)
- O2-2 Artificial intelligence-based ECG detection of mitral stenosis to guide anticoagulant selection in patients with atrial fibrillation** 29
 Speaker : Jina Choi (Division of Cardiology, Department of Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea)
- O2-3 Optimizing Data Balance for ECG-AI Modeling with Big Data** 29
 Speaker : Hongmin Wu (Fukuda Denshi Co. Ltd., Japan)
- O2-4 Experience of Artificial Intelligence (AI) electrocardiogram (ECG) with identifying the presence of atrial fibrillation during sinus rhythm at single center** 30
 Speaker : Shinji Ishikawa (Department of Cardiology center, Anjo Kosei Hospital, Japan)
- O2-5 Use of Machine-Learning Algorithm to Predict the Occurrence of Ventricular Tachycardia Events in Patients in Intensive Care Unit** 30
 Speaker : Abhishek Maan (University of Toledo, Ohio)
- O2-6 Development and clinical validation of an integrated framework for multi-outcome prognosis among patients with heart failure** 31
 Speaker : Chenxu Wang (Department of Cardiology, The University of Hong Kong - Shenzhen Hospital, China/Department of Medicine, Faculty of Medicine, The University of Hong Kong, Hong Kong SAR)

Oral Presentation 4

Basic (Genetics)

17:30-18:40

Chair : Nigel Lever (University of Auckland and Auckland City Hospital)
Chair : Seiko Ohno (National Cerebral and Cardiovascular Center)

- 04-1 **The Role and Mechanism of KCNQ4 Channels in Ventricular Remodeling Induced by Transverse Aortic Constriction in Mice** 32
Speaker : Ruifeng Cao (The Second Hospital of Hebei Medical University)
- 04-2 **Targeting PKP2/TTN Dual Mutations as a novel therapeutic target for Arrhythmogenic Right Ventricular Cardiomyopathy** 33
Speaker : Guanghui Zhu (The First Affiliated Hospital of Xinjiang Medical University, China)
- 04-3 **Topological Distribution Characteristics of CACNA1C Variants Associated with Risk of Sudden Cardiac Death in Patients with Cardiac Channelopathies and Cardiomyopathies** 33
Speaker : Kui Hong (Department of Cardiovascular Medicine, Nanchang University Second Affiliated Hospital, China/Molecular Medicine of Jiangxi Key Laboratory, Nanchang University Second Affiliated Hospital, China/Department of Genetic Medicine, Nanchang University Second Affiliated Hospital, China)
- 04-4 **SCN5A-G1433R-Associated Idiopathic Ventricular Tachycardia: Electrophysiological Mechanism and R1193Q Modulation in Patient-specific iPSC-derived Cardiomyocytes** 34
Speaker : Yike Zhang (The First Affiliated Hospital of Nanjing Medical University, China)
- 04-5 **Impact of Common and Rare Genetic Variants on Taiwanese Cardiomyopathies: Insights from the SADS-TW Registry Whole-Exome Sequencing Study** 34
Speaker : Hsinyu Tseng (Division of cardiology, Department of Internal Medicine, National Taiwan University Hospital Biomedical Park Hospital)
- 04-6 **FHL2-dependent suppression of AMPK activity is a novel mechanism for ACTC1 cardiomyopathy** 35
Speaker : Kui Hong (Department of Cardiovascular Medicine, the Second Affiliated Hospital of Nanchang University, Nanchang of Jiangxi, 330006, China/Department of Genetic Medicine, the Second Affiliated Hospital of Nanchang University, Nanchang of Jiangxi, 330006, China/Molecular Medicine of Jiangxi Key Laboratory, the Second Affiliated Hospital of Nanchang University, Nanchang of Jiangxi, 330006, China)

Room 8 | G318 + G319, 3F, North, PACIFICO Yokohama

Oral Presentation 6

AT

17:30-18:40

Moderator : Seigo Yamashita (The Jikei University Medical Center)
Discussor : Tomoya Ogawa (Hokusei General Hospital)
Discussor : Daiki Shako (National Cerebral and Cardiovascular Center)

- 06-1 **Long-term efficacy of the catheter ablation of postincisional atrial tachyarrhythmias using remote magnetic navigation or manual approach in patients after repaired congenital heart disease** 36
Speaker : Alexey Filippenko (National Medical Research Centre named after Meshalkin)
- 06-2 **Critical isthmus visualization for ATP-sensitive atrial tachycardia using a novel near-field detection algorithm of peak frequency duplicate** 37
Speaker : Satoshi Oka (National Cerebral and Cardiovascular Center, Japan)
- 06-3 **Radiofrequency Catheter Ablation for Arrhythmia-Induced Cardiomyopathy in Infants: A Case Series of four Patients** 37
Speaker : Xuan Li (Children's Hospital of Soochow University)
- 06-4 **Relationship between Marshall Bundle Connections and Perimitral Atrial Tachycardia Assessed with the Electrograms of Vein of Marshall and Left Atrial Activation Mapping** 38
Speaker : Mitsuaki Itoh (Harima-Himeji General Medical Center, Japan)
- 06-5 **A novel approach for cavo-tricuspid isthmus block using the Omnipolar mapping system** 38
Speaker : Hideyuki Hasebe (Division of Cardiology, Fujieda Municipal General Hospital/Division of Arrhythmology, Shizuoka Saiseikai General Hospital)
- 06-6 **Duodromic tachycardia: Electrophysiological features** 39
Speaker : Anish Bhargav (JIPMER, Puducherry)

Room 15 | Grand Ball Room B, 1F, The Kahala Hotel & Resort

Oral Presentation 8

AF Others 1

8:30-9:40

Moderator : Tadashi Fujino (Department of Cardiovascular Medicine, Toho University Faculty of Medicine)

Moderator : Yaping Wang

Discussor : Takashi Ikee (National Cerebral and Cardiovascular Center Hospital)

- O8-1 General anesthesia vs. Deep sedation and Conscious Sedation in Subjects Undergoing Pulmonary Vein Isolation with a Novel Flexible-Tip Dual-Energy PF/RF Ablation Catheter 40
Speaker : Daniel Scherr (Medical University of Graz, Austria)
- O8-2 THRIVE Improves Oxygenation and Airway Safety During Pulsed Field Ablation Under Deep Sedation 41
Speaker : Kyoko Hoshida (Department of Cardiovascular Medicine, Kyorin University Hospital, Japan)
- O8-3 Patient-level Third Worldwide Survey on Catheter Ablation of Human Atrial Fibrillation 41
Speaker : Silvia Magnani (Arrhythmia division, Cardiology Department, Multimedica, Milan, Italy)
- O8-4 Pulmonary Vein Isolation with Empiric Superior Vena Cava Isolation versus Pulmonary Vein Isolation Alone in Paroxysmal Atrial Fibrillation: A Randomized Clinical Trial 42
Speaker : Wenzhi Shen (Nanjing Drum Tower Hospital, the Affiliated Hospital of Nanjing University Medical School)
- O8-5 Evaluating Thermal Safety of a Novel Flexible Tip PFA Catheter Across Diverse Patient Impedances Under Consecutive Therapy Applications Beyond Recommended Dosage 42
Speaker : Lakshya Mittal (Abbott Laboratory)
- O8-6 Comparison of Hemolysis Associated with Pulsed Field Ablation for Atrial Fibrillation Using a Circular Catheter versus a Pentaspline Catheter 43
Speaker : Mirei Setoguchi (Tsuchiura Kyodo General Hospital, Japan)

Oral Presentation 9

Clinical Background (AF related)

10:10-11:20

Moderator : Gregory Y.h. Lip (University of Liverpool, UK)

Moderator : Masahiro Ogawa (Fukuoka University Cardiac EP Center)

Moderator : Takeshi Kato (Department of Cardiology, Kanazawa University Hospital)

- O9-1 Prospective study of impact of cardiotoxic chemotherapy protocol and frequency on arrhythmia occurrence in patients with breast cancer 44
Speaker : Sung Il Im (Kosin University Gospel Hospital)
- O9-2 The presentation has been withdrawn. 45
- O9-3 Habitual alcohol consumption leads atrial fibrillation recurrence following catheter ablation: sex-related difference analysis 45
Speaker : Tadashi Hoshiyama (Kumamoto University Hospital)
- O9-4 Obstructive Sleep Apnea and Long-Term Cardiovascular Events: Insights from a Nationwide 15-Year Follow-Up Study 46
Speaker : Lae-Young Jung (Jeonbuk National University Hospital)
- O9-5 Sex-specific temporal trends in the incidence of heart failure among patients with atrial fibrillation: a population-based study 46
Speaker : Jia-Yi Huang (University of Hong Kong-Shen Zhen Hospital/University of Hong Kong, LKS Faculty of Medicine)
- O9-6 Real-World Evaluation of AF Risk Scores in Cardiac Implantable Electronic Device Population 47
Speaker : Leenhapong Navaravong (Intermountain Health)

Oral Presentation 10

Leadless Pacemaker1

13:30-14:40

Moderator : Yoshihiro Sobue (Fujita Health University Bantane Hospital)

O10-1	A single center experience of left bundle branch area pacing data collection-Conduction system pacing with a Tendril STS 2088 stylet-driven lead and Ultipace LPA1231 Lead	48
	Speaker : Balbir Singh (Max Super Speciality Hospital)	
O10-2	Pacing-Induced Cardiomyopathy in Leadless Pacing Cohort: A 10-Year Experience in A National Heart Institution	49
	Speaker : Noor Muhammad Azlan Shah Atan (Electrophysiology Unit, Department of Cardiology, National Heart Institute, Kuala Lumpur, Malaysia)	
O10-3	Dual-chamber leadless pacemaker patients required pacing in both chambers despite primary indication	49
	Speaker : Rahul N Doshi (HonorHealth Research Institute, Scottsdale, Arizona, USA)	
O10-4	Positive linear correlation of threshold changes between before and after pulling test and postoperative acute phase for leadless pacemakers: a prospective study	50
	Speaker : Neng Zhang (The first Affiliated Hospital of Xinjiang Medical University, China)	
O10-5	ASSESSMENT OF QUALITY OF LIFE IN PATIENTS WITH LEADLESS CARDIAC PACEMAKERS DURING LONG-TERM FOLLOW-UP	50
	Speaker : Adil Baimbetov (Syzganov National Scientific Center of Surgery, Almaty, Kazakhstan)	

Oral Presentation 11

VT & SCD 1

14:50-16:00

Moderator : Yoshiyasu Aizawa (Nippon Medical School)

Moderator : Takanori Ikeda (Department of Cardiovascular Medicine, Toho University Faculty of Medicine)

O11-1	Predictive Role of Machine Learning Models for Appropriate ICD Therapy in Hypertrophic Cardiomyopathy Patients	51
	Speaker : Tianxin Long (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, China)	
O11-2	Non-Invasive Neuromodulation with Stellate Ganglion Phototherapy for Electrical Storms: A Retrospective Comparative Study	52
	Speaker : Yoshihiro Harano (University of Tsukuba, Japan)	
O11-3	Predictive Value of ACC/AHA and ESC Sudden Cardiac Death Risk Guidelines in a Hypertrophic Cardiomyopathy Cohort Treated with ICDs	52
	Speaker : Tianxin Long (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, China)	
O11-4	Safety and Efficacy of S-ICD for the termination of ventricular arrhythmias:a Long-term follow-up study of a single-center	53
	Speaker : Xuelian Yuan (Xinjiang Medical University)	
O11-5	Free Triiodothyronine as a Point-of-Care Biomarker for Ventricular Arrhythmia in Myocardial Infarction: A Multi-center Prospective Cohort Study	53
	Speaker : Ling Sun (The affiliated Wuxi Peoples's Hospital of Nanjing Medical University)	
O11-6	Electrocardiogram-Based QRS Analysis Predicts Ventricular Arrhythmias in Patients after Cardiac Electronic Device Implantation: A Prospective Study	54
	Speaker : Bingqi Fu (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College)	

Room 16 | Grand Ball Room A, 1F, The Kahala Hotel & Resort

Oral Presentation 12

Clinical Background (Except for AF)

8:30-9:40

Moderator : Masatsugu Ohe (Department of Cardiovascular Medicine, Kurume University)

Chair : Masahiro Maruyama (Department of Cardiovascular Medicine, Kindai University Hospital)

O12-1	Ten-Year Trends in Sudden Cardiac Death in Oman: A National Retrospective Analysis (2014-2023)	55
	Speaker : Omar Al Taei (The Medical City for Military & Security Services, Oman)	
O12-2	Association between low voltage on the electrocardiogram and rehospitalization for heart failure in patients with heart failure	56
	Speaker : Taro Fukuda (Jichi Medical University, Japan)	

O12-3	Causal Effect of Obstructive Sleep Apnea on Sick Sinus Syndrome: a Bidirectional Mendelian Randomization Study	56
	Speaker : Weixiang Chen (The First Hospital Affiliated to Soochow University)	
O12-4	Gaps in ICD Utilization for HFrEF: A Single-Center Review of Guideline and Clinical Practice	57
	Speaker : Shogo Miyamoto (Hiroshima University Hospital, Japan)	
O12-5	Seasonal variation in HeartLogic metrics and alerts: A multiyear analysis	57
	Speaker : Kathryn Wales (Liverpool Hospital, Sydney NSW, Australia)	
O12-6	BMI Thresholds Linked to Cardiovascular Risk in South Asians Populations	58
	Speaker : Elnaz Shahmohamadi (Centre for Heart Rhythm Disorders, University of Adelaide and Royal Adelaide Hospital, Adelaide, Australia)	

Oral Presentation 13

SVT

10:10-11:20

Moderator : Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine)
 Moderator : Yuji Saito (Division of Cardiology, Department of Medicine, Nihon University School of Medicine, Tokyo, Japan)

O13-1	Discrimination between true and pseudo constant fusion during atrial entrainment of supraventricular tachycardia	59
	Speaker : Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Japan)	
O13-2	Atrial Electrocardiogram and Electrophysiology Properties as Early Predictors of Atrial Fibrillation in Wolff-Parkinson-White : A Case-Control Study	60
	Speaker : Jimmy Santoso (National Cardiovascular Center Harapan Kita, Indonesia)	
O13-3	Predicting Septal Accessory Pathway in the Patients with WPW syndrome Type B by using synthesized 18-lead ECG	60
	Speaker : Shuhei Okajima (Nippon Medical School Hospital, Japan)	
O13-4	Sinus impulse propagation and sinus node function in patients with supraventricular tachycardias according to right atrial scarring	61
	Speaker : Hajime Ichiryu (Gifu University Hospital, Japan)	
O13-5	Focal cryoablation vs. radiofrequency ablation in a pediatric patient with para-Hisian accessory pathway with effect from the non-coronary aortic cusp.	61
	Speaker : Abay Bakytzhanuly (Corporate Fund "University Medical Center")	
O13-6	Frequency Analysis for Identifying Optimal Ablation Site in Accessory Pathway Ablation: A Three-Dimensional Approach from Epicardial to Endocardial Layers	62
	Speaker : Takashige Sakio (Cardiovascular division, Osaka Keisatsu Hospital, Japan)	

Oral Presentation 14

PFA 2

14:50-16:00

Moderator : Chengyang Jiang
 Moderator : Young Keun On (Samsung Medical Center)
 Moderator : Hidemori Hayashi (Department of Cardiovascular Biology and Medicine, Juntendo University Graduate School of Medicine)

O14-1	Cardioneuroablation in Australia - early experiences at a single centre	63
	Speaker : Katie A Nguyen (Liverpool Hospital, Australia)	
O14-2	The sudden increase in vagal response during pulse-field ablation does not occur repeatedly.	64
	Speaker : Hirotaka Yano (Yokosuka Kyosai Hospital, Japan)	
O14-3	Vasovagal Responses During Pulsed Field Ablation of Atrial Fibrillation Using a Circular Catheter	64
	Speaker : Kentaro Goto (Institute of Science Tokyo, Japan)	
O14-4	Relationship between pulmonary vein morphology and acute success of pulmonary vein isolation in pulsed field ablation using a circular multielectrode array catheter for atrial fibrillation	65
	Speaker : Takahiko Nagase (Higashiyamato Hospital, Japan)	
O14-5	Comparison of Periprocedural Patient Experience Between Pulsed Field Ablation and Conventional Thermal Ablation of Atrial Fibrillation	65
	Speaker : Kohei Iwasa (Sakurabashi Watanabe Advanced Healthcare Hospital, Japan)	

- O14-6 Feasibility, Safety, and Muscle Contractions of Nanosecond Pulse Field Ablation to Treat Atrial Fibrillation under Conscious Sedation 66
Speaker : Lei Ding (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College)

Fri., November 14

Room 7 | G316 + G317, 3F, North, PACIFICO Yokohama

Oral Presentation 16

Pediatric

16:00-17:10

Moderator : Hisaki Aoki (Osaka Women's and Children's Hospital)
 Moderator : Yoshiaki Kato (Department of Pediatric Cardiology, National Cerebral and Cardiovascular Center)
 Moderator : Andrew Davis (The Royal Children's Hospital, Melbourne)

- O16-1 Electrophysiological Characteristics of Tachyarrhythmias and Effects of Catheter Ablation in Patients with Fontan Circulation** 67
 Speaker : Jae-Sun Uhm (Severance Hospital, Yonsei University)
- O16-2 Ablation Procedures in a Pediatric Population: Insights from the EP Device Registry** 68
 Speaker : Isabel Deisenhofer (Department of Electrophysiology, TUM University Hospital German Heart Center, Technical University of Munich (TUM), Munich, Germany)
- O16-3 Same-Day Discharge in Electrophysiology Procedures: A Safe and Feasible Option for Pediatric and Adult Congenital Heart Disease Patients** 68
 Speaker : Azzam M Alqashami (Department of Pediatrics, College of Medicine, Majmaah University, Majmaah -11952, Saudi Arabia/Department of Pediatric Cardiology, Prince Sultan Cardiac Center, Riyadh, Kingdom of Saudi Arabia)
- O16-4 Electrophysiological risk analysis in repaired tetralogy of Fallot.** 69
 Speaker : Wei-chieh (wayne) Tseng (National Taiwan University Children's Hospital)
- O16-5 Identification of sino-atrial node low-voltage areas using unipolar and omnipolar mapping in pediatric patients with congenital heart disease** 69
 Speaker : Mathijs S Van Schie (Department of Cardiology, Erasmus University Medical Center, The Netherlands)
- O16-6 Efficacy of the remote magnetic navigation for catheter ablation of postincisional tachyarrhythmias in pediatric patients after repaired complex congenital heart disease.** 70
 Speaker : Alexander Romanov (E. Meshalkin National Medical Research Center, Novosibirsk, Russian Federation/Novosibirsk state Medical University, Russian Federation)

Oral Presentation 17

Pediatric / Registry

17:20-18:30

Moderator : Xiaohan Fan
 Moderator : Jun Yoshimoto (Department of Electrophysiology, Shizuoka Children's Hospital)

- O17-1 Incidence of pause and bradycardia in patients with symptomatic heart failure with reduced or preserved ejection fraction monitored using an insertable cardiac monitor.** 71
 Speaker : Jonathan W. Dukes (Community Memorial Hospital)
- O17-2 Reassessment of the Practical Use and Accumulation of Real-World Data of Wearable Cardioverter Defibrillator (WCD) in Japan - Interim Analysis of the J-WCDR Study** 72
 Speaker : Jun Kishihara (Kitasato University School of Medicine, Japan)
- O17-3 Incidence of ICD shocks in patients recruited for ICD/CRT-D therapy across 15 countries from Africa, Middle East, Eastern Europe and the Commonwealth of Independent States** 73
 Speaker : Abdelhamid Moustaghfir (Jerrada Clinic Oasis, Casablanca, Morocco)
- O17-4 Associations between device-measured 24-hour movement behaviors and cardiac conduction disease in the UK Biobank cohort** 73
 Speaker : Min Kim (Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea)
- O17-5 Feasibility of Left bundle branch area pacing in children after surgical correction of congenital heart disease.** 74
 Speaker : Yerlan Turubayev (University Medical Center, Kazakhstan)
- O17-6 Complications of Transvenous Pacemaker Implantation in Children Weighing < 15 kg: Experience from an Asian Single Center.** 74
 Speaker : Viet T Nguyen (Thanh Hoa Province General Hospital)

Room 12 | G414 + G415, 4F, North, PACIFICO Yokohama

Oral Presentation 18

Clinical Studies (Others)

8:30-9:40

Moderator : Kaoru Tanno (Showa Medical University Koto Toyosu Hospital)
 Moderator : Yasuya Inden (Nagoya University Graduate School of Medicine)

- O18-1 **Effect of Dapagliflozin on Malignant Ventricular Arrhythmias in Elderly after Acute Myocardial Infarction: a Propensity Score-Matched Cohort Study** 75
 Speaker : Ye Deng (The Third Affiliated Hospital of Nanjing Medical University)
- O18-2 **Evaluation of the Relationship between Dental Treatment Needs and Initial Ventricular Tachyarrhythmia Presentation in Cardiac Sarcoidosis: A Questionnaire-Based Study** 76
 Speaker : Kojiro Ogawa (University of Tsukuba, Japan)
- O18-3 **Using interpretable machine learning models to distinguish between myocardial infarction and Takotsubo syndrome: A retrospective cohort study** 76
 Speaker : Huanan Pei (First Affiliated Hospital of Harbin Medical University)
- O18-4 **Cardiac Complications in Transfusion-Dependent Beta-Thalassemia Patients in Oman: A National Retrospective Cohort Study** 77
 Speaker : Nuha Al Habsi (Oman Medical Specialty Board, Oman)
- O18-5 **Electrocardiogram T-wave amplitude for predicting hyperkalemia** 77
 Speaker : David Elliott (Paul Foster School of Medicine)

Oral Presentation 19

PFA 3

17:20-18:30

Moderator : Ricard Cappato (IRCCS MULTIMEDICA)
 Moderator : Laurent Macle (Montreal Heart Institute, University de Montréal)
 Moderator : Yasushi Oginosawa (The Department of Heart Rhythm Management, the University of Occupational and Environmental Health, Japan)
 Discussor : Tsukasa Kamakura (National Cerebral and Cardiovascular Center)

- O19-1 **Does sedation technique impact pulsed field ablation lesion durability - real-world experience from the EU-PORIA Registry** 78
 Speaker : Julian Chun (CCB Frankfurt, Markuskrankenhaus)
- O19-2 **Long-Term Clinical Effectiveness for Atrial Fibrillation Patients Treated with Pulsed Field Ablation in the APAC Region: Interim One-Year Results from the Global FARADISE Registry** 79
 Speaker : Haris M Haqqani (University of Queensland)
- O19-3 **Efficacy and Safety of Pulse Field, Radiofrequency, and Cryoballoon Ablation in Atrial Fibrillation: A Network Meta-Analysis of Randomized and Nonrandomized Controlled Trials** 79
 Speaker : Abhishek Maan (University of Toledo, Ohio, USA)
- O19-4 **Comparison of Catheter Ablation Strategies for the Management of Paroxysmal Atrial Fibrillation: A Systematic Review and Network Meta-Analysis** 80
 Speaker : Bernadus B Bramantyo (Department of Cardiology and Vascular Medicine, Sardjito General Hospital-Faculty of Medicine, Public Health, and Nursing, Gadjah Mada University, Yogyakarta, Indonesia)
- O19-5 **Visualization of pulsed field ablation tags during pulmonary veins isolation with the second-generation pentaspline catheter** 80
 Speaker : Vivek Y Reddy (Mount Sinai Fuster Heart Hospital/Homolka Hospital, Prague, Czech Republic)
- O19-6 **Acute Effects and Short-term Outcomes of Pulsed Field Ablation for Atrial Fibrillation With PulseSelect System** 81
 Speaker : Ken Okumura (Saiseikai Kumamoto Hospital, Japan)

Room 13 | G416 + G417, North, 4F, PACIFICO Yokohama

Oral Presentation 20

AF (Except for Ablation) 1

8:30-9:40

Moderator : Takashiko Nishiyama (Keio University School of Medicine, Department of Cardiology)
 Moderator : Takeshi Sasaki (University of the Ryukyus Hospital)

- O20-1 **Frequent Premature Atrial Complexes Are Associated With Atrial Dyssynchrony in Sinus Beats: Insights from the BEAT AFib Study** 82
 Speaker : Shohei Kataoka (Section of Cardiac Electrophysiology, University of California-San Francisco, USA)
- O20-2 **The distinct role of underweight in incident atrial fibrillation among individuals with low genetic predisposition** 83
 Speaker : Young Shin Lee (Kyung Hee University Medical Center, Seoul, Republic of Korea)
- O20-3 **Plasma metabolomic analysis of the discovery and validation cohorts identified differential candidate biomarkers for atrial fibrosis and recurrence of AF** 83
 Speaker : Huiyuan Qin (The First Affiliated Hospital of Nanjing Medical University Jiangsu Province Hospital)
- O20-4 **Association of the Systemic Inflammation Response Index With Late Recurrence Following Atrial Fibrillation Ablation: The Influence of Atrial Fibrillation Type** 84
 Speaker : Shunsuke Tamaki (Ehime University Graduate School of Medicine, Japan)
- O20-5 **U-shaped Association of Glycated Hemoglobin with Incident Atrial Fibrillation in Heart Failure: A Large Cohort Analysis** 84
 Speaker : Qing-Wen Ren (The University of Hong Kong)
- O20-6 **Prognostic Benefits of Strict LDL-C Control in Patients with Atrial Fibrillation: The Impact of Lipid Metabolism on Atrial Remodeling** 85
 Speaker : Weizhuo Liu (Shanghai Chest Hospital, Shanghai Jiaotong University School of Medicine)

Oral Presentation 21

Anticoagulants and Stroke

14:40-15:50

Moderator : Yasushi Imai (Division of Cardiovascular Medicine and Division of Clinical Pharmacology, Jichi Medical University)
 Moderator : Takeshi Soeki (Division of Cardiology and Arrhythmia, Department of Community Medicine and Medical Science, Tokushima University Graduate School of Biomedical Sciences)

- O21-1 **Silent Cerebral Lesions and Cognitive Impairment in Atrial Fibrillation: Roles of Hypoperfusion, Systemic Inflammation, APP and GSK3** 86
 Speaker : Jinyi Li (Guilin Medical University Affiliated Hospital)
- O21-2 **Expanded application of the DOAC Score for Predicting Bleeding Events in All Anticoagulated Patients with Atrial Fibrillation** 87
 Speaker : Shunsuke Kuroda (Department of Cardiovascular Medicine and Biology, Juntendo University Graduate School of Medicine)
- O21-3 **Temporal Trends in Ischemic Stroke and Female sex as a Risk Modifier in Asian Patients with Atrial Fibrillation** 87
 Speaker : Dong-Seon Kang (Hallym Sacred Heart Hospital)
- O21-4 **Impact of Real-world Off-label dose of Apixaban on long-term clinical outcomes in Heart failure patients with Atrial Fibrillation and End Stage Kidney Disease** 88
 Speaker : Sung Il Im (Kosin university gospel hospital)
- O21-5 **The presentation has been withdrawn.** 88

Room 15 | Grand Ball Room B, 1F, The Kahala Hotel & Resort

Oral Presentation 22

AI, ECG monitoring (Wearable)

8:30-9:40

Moderator : Chi Keong Ching (National Heart Centre Singapore)
 Moderator : Keitaro Senoo (Kyoto Prefectural University of Medicine)

O22-1	Ambulatory cardiac arrhythmia diagnosis using a chest strap and dry electrode system over 12-week in-home monitoring: CardIinq external cardiac monitor (ECM) feasibility study	89
	Speaker : Shantanu Sarkar (Medtronic Inc. Moundsview USA)	
O22-2	Association between anti-seizure medications and cardiac arrhythmias in patients undergoing ambulatory electroencephalographic and electrocardiographic monitoring.	90
	Speaker : Francis Ha (Victorian Heart Hospital, Melbourne, Australia)	
O22-3	Validation of Daytime and Nighttime Heart Rates Measured by a Wearable Device and the Impact of Physical Activity	91
	Speaker : Takeshi Fujiwara (Division of Cardiovascular Medicine, Department of Medicine, Jichi Medical University School of Medicine, Japan)	
O22-4	Smartwatch-based Cardiac Diagnostics: Prospective Multicenter Comparison of Single-Lead ECG Versus Holter ECG for Atrial Fibrillation Detection	91
	Speaker : Junji Yamaguchi (Institute of Science Tokyo, Japan)	
O22-5	Average Heart Rate on 24-Hour Holter Monitoring May Predict Sinus Node Dysfunction Diagnosed by Electrophysiology Study	92
	Speaker : Diajeng Dewanti (National Cardiovascular Center Harapan Kita, Indonesia)	
O22-6	Smartphone-Based ECG Monitoring After Ablation: Clinical Evaluation of the BeatChecker Device	93
	Speaker : Shahzad Maulenov (UMC Heart Center, Astana. Kazakhstan)	

Oral Presentation 23

VT 1

9:50-11:00

Moderator : Jin-Bae Kim
 Moderator : Yuki Komatsu (University of Tsukuba)
 Discussor : Shinya Yamada (Fukushima Medical University, Japan)
 Discussor : Asami Kashiwa (Niigata City General Hospital)

O23-1	Correlation between Peak Frequency and Mid Myocardial Scars Based on MRI ADAS for VT Ablation Cases	94
	Speaker : Mohd Asyiq A Raffali (Universiti Kebangsaan Malaysia)	
O23-2	The Utility of Multipolar Electrogram Mapping in Scar-Related Ventricular Tachycardia	95
	Speaker : Koji Higuchi (Cardiac Electrophysiology & Pacing Section, Cleveland Clinic, USA)	
O23-3	Anatomical Approach from the Coronary Sinus of Valsalva for Para-Hisian Premature Ventricular Contractions: Safety and Outcomes	95
	Speaker : Koji Higuchi (Cardiac Electrophysiology & Pacing Section, Cleveland Clinic, USA)	
O23-4	Wall Thickness Changes on Cardiac Computed Tomography as a Target for Postinfarction Ventricular Tachycardia Ablation	96
	Speaker : Haruka Matsuura (National Cerebral and Cardiovascular Center)	
O23-5	Outcomes of Ventricular Tachycardia Ablation Stratified by Ejection Fraction: A Propensity-Matched Analysis	96
	Speaker : Abhishek Maan (University of Toledo, Ohio)	
O23-6	Association of mechanical circulatory support requirement with clinical outcomes in patients undergoing ventricular tachycardia ablation: A Nationwide Inpatient Sample Analysis	97
	Speaker : Nahush Bansal (University of Toledo, USA)	

Oral Presentation 24

Clinical Studies (AF related)

13:20-14:30

Moderator : Helmut Purerfellner (Ordensklinikum Linz Elisabethinen, Linz, Austria/Europe)
 Moderator : Taku Asano (Division of Cardiology, Department of Medicine, Showa Medical University School of Medicine)

O24-1	Atrial Fibrillation Subtypes and Prognosis in Heart Failure: Insights Across Left Ventricular Ejection Fraction.	98
	Speaker : Kei Kawakami (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University)	
O24-2	Impact of Pre-ablation Direct Current Cardioversion on Post-ablation Outcomes of Persistent Atrial Fibrillation Radiofrequency Catheter Ablation: A Single-Center, Retrospective Cohort Study	99
	Speaker : Ge Gao (Second Affiliated Hospital of Xi'an Jiaotong University)	

- O24-3 Prevalence and Clinical Associations of Atrial Fibrillation in Transfusion-Dependent Beta-Thalassemia Patients in Oman** 99
 Speaker : Mohamed Al Rawahi (Sultan Qaboos University Hospital, University Medical City, Oman/National Heart Center, Royal Hospital, Oman/Oman Medical Specialty Board, Oman)
- O24-4 Reducing device exchanges improves efficiency and predictability of pulsed field ablation procedures in clinical practice: insights from the DISRUPT-AF registry** 100
 Speaker : Amin Al-Ahmad (St. Davids Medical Center, Austin, Texas, USA)
- O24-5 Paradoxical effects of low body mass index on long-term outcomes following atrial fibrillation ablation: Lower late arrhythmia recurrence but poorer prognosis** 100
 Speaker : Noriyuki Kobayashi (Osaka Rosai Hospital, Japan)
- O24-6 Development of the Anatomical and Electrical-Based Cardiac Atrial Remodeling-Navigated Assessment Score (KARNA-AF Score) for Predicting Postoperative Atrial Fibrillation: A Systematic Review and Meta-Analysis** 101
 Speaker : Gusti Ngurah Prana Jagannatha (Department of Cardiology and Vascular Medicine, Udayana University/ Prof. dr. I.G.N.G Ngoerah General Hospital, Denpasar, Bali, Indonesia)

Room 16 | Grand Ball Room A, 1F, The Kahala Hotel & Resort

Oral Presentation 26

AF Others 2

8:30-9:40

Moderator : Koji Kumagai (Department of Cardiovascular Medicine, Tohoku Medical and Pharmaceutical University)
 Discussor : Yosuke Hayashi (Sakakibara Heart Institute)

- O26-1 Beyond Pulmonary Veins: Ablation Trends and Targets with a Novel Flexible-Tip Dual-Energy PF/RF Ablation Catheter** 102
 Speaker : Prashanthan Sanders (The Royal Adelaide Hospital, Adelaide, SA, Australia)
- O26-2 Comparative analysis of hemolysis and myocardial injury across the three different pulsed field ablation systems** 103
 Speaker : Hiroyuki Miyazawa (Nagoya University, Department of Cardiology, Japan)
- O26-3 Impact of Age and Diagnosis-to-Ablation Time on Sex Differences in 12-Month Outcomes After Catheter Ablation for Atrial Fibrillation: An admIRE Subanalysis** 104
 Speaker : Devi Nair (admIRE Trial Investigators, USA)
- O26-4 Comparison of the HEMOlalysis for the Pulsed Field Ablation (HEMO-PFA study)** 104
 Speaker : Kazuhisa Matsumoto (Saitama Medical University, International Medical Center)
- O26-5 Management of atrial fibrillation in patients with transthyretin cardiac amyloidosis** 105
 Speaker : Daisuke Yakabe (Kyushu University, Japan/Kyushu Medical Center)

Room 20 | F204, 2F, Annex Hall, PACIFICO Yokohama

Oral Presentation 29

VT & SCD 2

14:40-15:50

Moderator : Kenichi Hashimoto (National Defense Medical College)
 Moderator : Kenji Yodogawa (Nippon Medical School)

- O29-1 Incidence and Predictive Roles of NYHA Class and QT Interval for Sudden Cardiac Death in Heart Failure with Preserved Ejection Fraction** 106
 Speaker : Yoshihiro Sobue (Department of Cardiology, Fujita Health University Bantane Hospital, Japan)
- O29-2 New-onset anemia and its association with ventricular arrhythmias and sudden cardiac death in patients with heart failure with preserved ejection fraction** 107
 Speaker : Tomohiro Ito (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Japan)
- O29-3 Incidence of Ventricular Arrhythmias in Patients with Wild-Type Transthyretin Cardiac Amyloidosis** 107
 Speaker : Minako Ohara (Department of CardioRenal CerebroVascular Medicine, Faculty of Medicine, Kagawa University, Japan)

- O29-4 Plasma Proteomics-Based Risk Stratification for Sudden Cardiac Death in Hypertrophic Cardiomyopathy Patients 108
Speaker : Tianxin Long (Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, China)
- O29-5 Prognostic Role of Genotype on Malignant Ventricular Arrhythmias in Arrhythmogenic Cardiomyopathy: Results from a National cohort registry 108
Speaker : Zhongli Chen (State Key Laboratory of Cardiovascular Disease, Fuwai Hospital, National Center for Cardiovascular Disease, Chinese Academy of Medical Sciences and Peking Union Medical College)
- O29-6 Feasibility of ventricular arrhythmia site of origin localization by a novel solid state magnetocardiography system and electrocardiographic imaging. 109
Speaker : Albert J Rogers (Division of Cardiovascular Medicine, Department of Medicine, Stanford University, USA)

Sat., November 15

Room 7 | G316 + G317, 3F, North, PACIFICO Yokohama

Oral Presentation 30

Inherited Arrhythmia

15:40-16:50

Moderator : Sit Yee Kwok

Moderator : Takeru Makiyama (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine)

- O30-1 QT Interval Variability Across Physiological Conditions: Reconsidering Holter ECG Assessment in Comparison with Standard 12-Lead ECG** 110
 Speaker : Masao Yoshinaga (NHO Kagoshima Medical Center, Japan/Orange Medical and Welfare Center for Severe Motor and Intellectual Disabilities, Japan)
- O30-2 Catecholaminergic polymorphic ventricular tachycardia-like phenotype in a patient harboring an RBM20-I536T variant** 111
 Speaker : Tadashi Nakajima (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Japan)
- O30-3 Outcomes after switching from quinidine to other drugs in patients with Brugada syndrome** 111
 Speaker : Shota Tsukamoto (Harima-Himeji General Medical Center, Japan)
- O30-4 Clinical outcomes in patients with congenital long QT syndrome from a tertiary care center in India** 112
 Speaker : Souvik Sardar (All India Institute Of Medical Sciences Delhi)
- O30-5 Risk Stratification of Elderly Patients with Brugada syndrome: Results from a Large Japanese Cohort of Idiopathic Ventricular Fibrillation** 112
 Speaker : Tetsuji Shinohara (Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Japan)
- O30-6 Long Term Outcomes of Cardiac Sympathetic Denervation Surgery in Patients with Long QT Syndrome: Korea Single-center Prospective Study** 113
 Speaker : Jong Sung Park (Kyungpook National University Hospital)

Room 8 | G318 + G319, 3F, North, PACIFICO Yokohama

Oral Presentation 31

Lead Extraction

14:20-15:30

Moderator : Takatsugu Kajiyama (Department of Advanced Arrhythmia Bioengineering, Chiba University Graduate School of Medicine)

Moderator : Hitoshi Minamiguchi (Cardiovascular Division, Osaka Keisatsu Hospital)

- O31-1 Transvenous Lead Extraction of Abandoned vs Functional Leads: A Systematic Review and Meta-analysis of Procedural and Long-term Clinical Outcomes** 114
 Speaker : Karanjeet S Chauhan (Department of Cardiology, Royal Melbourne Hospital, Victoria, Australia/Department of Medicine, University of Melbourne, Victoria, Australia/Department of Medicine, Monash University, Victoria, Australia)
- O31-2 To Extract or Abandon? That is the Question - A Systematic Review & Meta-Analysis of Transvenous Lead Extraction vs. Abandonment of Non-Infected, Superfluous Leads** 115
 Speaker : Karanjeet S Chauhan (Department of Cardiology, Royal Melbourne Hospital, Victoria, Australia/Department of Medicine, University of Melbourne, Victoria, Australia/Department of Medicine, Monash University, Victoria, Australia)
- O31-3 Outcomes and Techniques in the Extraction of CIED Leads Less than Five Years Old: A Single Center Experience** 115
 Speaker : Rohit Mehta (Advocate Health- The Sanger Clinic)
- O31-4 Utilization of Transvenous Lead Extraction for Cardiac Implantable Electronic Device Infection is Increasing, But Still Insufficient: Japanese Registry of All Cardiac and Vascular Diseases Analysis** 116
 Speaker : Koji Fukuzawa (Section of Arrhythmia, Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Japan/Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe, Japan)
- O31-5 The presentation has been withdrawn.** 116

- O31-6 Optimal Lead Extraction Preparation of a Lumenless Defibrillation Lead** 117
 Speaker : Blandine Mondésert (Montréal Heart Institute)

Room 9 | G401+G402, 4F, North, PACIFICO Yokohama

Oral Presentation 33

AF (Except for ablation; drug therapy, etc.) 15:40-16:50

Moderator : Yutao Guo

Moderator : Yasuko Tanabe (Asahikawa Medical University, Department of Internal Medicine, Division of Cardiology and Nephrology)

- O33-1 Colchicine in Prevention of Post Operative Thoracic Surgery Atrial Fibrillation: A Systematic Review and Meta Analysis** 118
 Speaker : Jacqueline Crisostomo (St. Luke's Medical Center - Global City)
- O33-2 Catheter Ablation vs. Antiarrhythmic Drugs for Atrial Fibrillation: A Meta-Analysis of Safety Outcomes in Randomised Trials** 119
 Speaker : Marwan Shawki (Department of Cardiology, Austin Health, Australia/University of Melbourne, Australia)
- O33-3 Risk of Atrial Fibrillation in Patients Taking Cardiac Myosin Inhibitors for Hypertrophic Cardiomyopathy: A Meta-Analysis** 119
 Speaker : Thalys Sampaio Rodrigues (Department of Cardiology, Austin Health, VIC, Australia/Department of Medicine, University of Melbourne, VIC, Australia)
- O33-4 Atrial fibrillation and COVID-19 as risk modifiers in heart failure with reduced ejection fraction: a retrospective study.** 120
 Speaker : Yeldana Absamatova (Heart Rhythm Research Institute, Astana Medical University, Kazakhstan)
- O33-5 Colchicine after atrial fibrillation ablation: a systematic review and meta-analysis of AF recurrence and Pericarditis** 120
 Speaker : Abhishek Maan (University of Toledo, Ohio, USA)
- O33-6 Cognitive Function and Comprehensive Risk Factor Management in Atrial Fibrillation (C-RAFT study)** 121
 Speaker : Rajiv Mahajan (Lyell McEwin Hospital, Elizabeth Vale, South Australia/University of Adelaide, Adelaide, Australia)

Room 10 | G403, 4F, North, PACIFICO Yokohama

Oral Presentation 35

LAAC 15:40-16:50

Moderator : Shu Zhang

Moderator : Shigeki Kusa (Tsuchiura Kyodo Hospital)

- O35-1 Percutaneous Left Atrial Appendage Closure Is a Reasonable Option for Patients With Atrial Fibrillation at High Risk for Bleeding Events** 122
 Speaker : Karen Phillips (The Brisbane AF Clinic, Greenslopes Private Hospital, Greenslopes, Brisbane, Australia)
- O35-2 The financial burden of postoperative atrial fibrillation after cardiac surgery and economic impact of posterior pericardiotomy** 123
 Speaker : Shaun Evans (University of Adelaide, Australia/Royal Adelaide Hospital, Australia)
- O35-3 Changes in Left Atrial Appendage Ostial Diameters During Left Atrial Appendage Closure : Implications for the Device Size Selection** 123
 Speaker : Karina Hara (Shin-yurigaoka General Hospital, Japan)
- O35-4 Clinical Outcomes of Percutaneous Left Atrial Appendage Occlusion Following Catheter Ablation in Patients with Atrial Fibrillation** 124
 Speaker : Takeshi Sasaki (Ryukyu Univesity, Japan/Ryukyu Univesity, Japan)
- O35-5 Is Combined Catheter Ablation a Reasonable OPTION for Atrial Fibrillation for Patients Requiring Left Atrial Appendage Closure? A Single-Center Experience Based on Japanese Guideline-Compliant Indications** 124
 Speaker : Takayuki Kitai (Sapporo Cardio Vascular Clinic, Japan)

- O35-6 Evaluation of Concomitant Pulsed Field Ablation and Left Atrial Appendage Closure for the Management of Atrial Fibrillation: Rationale and Design of the OPTION-A Study 125
 Speaker : Satomi Kazuhiro (Tokyo Medical University Hospital, Japan)

Room 12 | G414 + G415, 4F, North, PACIFICO Yokohama

Oral Presentation 36

VT2

8:30-9:40

Moderator : B.Hygriv Rao
 Moderator : Masaaki Kurata (Showa Medical University Fujigaoka Hospital)
 Moderator : Daisuke Yakabe (Kyushu University, Japan)

- O36-1 Identification of Conduction Block Zones in Scar-Related Ventricular Tachycardia Using Peak Frequency Mapping and Three-dimensional Cardiac Imaging: A Retrospective Two-Center Study 126
 Speaker : Masato Hachisuka (Nippon Medical School, Japan)
- O36-2 Outcomes of Catheter Ablation for Ventricular Tachycardia in Patients with Cardiac Sarcoidosis: Meta Analysis 127
 Speaker : Abhishek Maan (University of Toledo, Ohio, USA)
- O36-3 Clinical Characteristics and Prognosis of Patients Undergoing Repeat Catheter Ablation for Ventricular Tachycardia 128
 Speaker : Masafumi Shimojo (Nagoya University Graduate School of Medicine, Japan)
- O36-4 Effects of pacing sites on decrement-evoked potential mapping for scar-related ventricular tachycardia 128
 Speaker : Jae-Sun Uhm (Severance Hospital, Yonsei University)
- O36-5 Novel and Simple Electrocardiogram Algorithm for Predicting Right sided Outflow Tract Ventricular Arrhythmias with Left bundle branch block morphology 129
 Speaker : Nobuhiko Yamamoto (Tohoku University Hospital, Japan)
- O36-6 Catheter Ablation of Ventricular Tachycardia with ECMO Support in High-Risk Patients with Hemodynamic Instability 130
 Speaker : Vitalii Shabanov (E. Meshalkin national medical research center of the ministry of health of the Russian Federation)

Oral Presentation 37

Physiological Pacing

13:00-14:10

Moderator : Junji Morita (Sapporo Cardiovascular Clinic)

- O37-1 Regional results of the Lead Evaluation for Defibrillation and Reliability in Left Bundle Branch Area Pacing (LEADR LBBAP) clinical trial 131
 Speaker : Russell Denman (The Prince Charles Hospital, Brisbane, Australia)
- O37-2 Novel posteriosuperior bundle area pacing within the superior vena cava preserves interatrial synchrony 132
 Speaker : Zhaohui Qiu (Tongren Hospital Shanghai Jiao Tong University School Of Medicine)
- O37-3 Prevalence and Predictors of Pacing-Induced Cardiomyopathy (PICM) in A National Heart Institution: A 10-Year Retrospective Cohort Study 132
 Speaker : Noor Muhammad Azlan Shah Atan (Electrophysiology Unit, Department of Cardiology, National Heart Institute, Kuala Lumpur, Malaysia)
- O37-4 Impact of gated myocardial perfusion imaging for prediction of cardiac resynchronization therapy non-responders with left bundle branch block 133
 Speaker : Takuya Nishimura (National Cerebral and Cardiovascular Center, Japan)
- O37-5 Long PR Interval Leads to Worsening Atrial Function and Inducible Atrial Fibrillation in Swine 133
 Speaker : Shohei Kataoka (Section of Cardiac Electrophysiology, University of California-San Francisco, USA)
- O37-6 Redefining Left Bundle Branch Block from High-density Electroanatomical Mapping 134
 Speaker : Jing Wang (The first department of cardiology, the First Affiliated Hospital of Kunming Medical University, Kunming, Yunnan, China)

Oral Presentation 38

AF (RF)

14:20-15:30

Moderator : Masaomi Kimura (Hirosaki University Graduate School of Medicine, Advanced Management of Cardiac Arrhythmias)
 Moderator : Mitsuharu Kawamura (Makita General Hospital)

- O38-1 The Analysis of Atrial Fibrillatory Wave Features Associated with Successful Outcomes of Ockham-Guided Ablation** 135
 Speaker : Yosuke Murase (Komaki City Hospital, Japan)
- O38-2 Left Atrial Appendage Contrast Pooling is Associated with Recurrence After Initial Radiofrequency Catheter Ablation for Atrial Fibrillation** 136
 Speaker : Keisho Kurokawa (Ehime University Graduate School of Medicine, Japan)
- O38-3 Acute Success of Persistent Atrial Fibrillation Ablation With a Temperature-Controlled Very High-Power Short-Duration Radiofrequency Catheter: Initial Real-World Experience From QUEST AF** 137
 Speaker : Masahiko Goya (International University of Health and Welfare, Mita Hospital, Japan/QUEST AF Study Investigators)
- O38-4 The Predictor of Occurrence Peri-Mitral Atrial Flutter in Patients Undergoing Persistent Atrial Fibrillation Ablation** 137
 Speaker : Yuichiro Makino (Yokkaichi Municipal Hospital, Japan)
- O38-5 Bilateral First Pass Isolation is a Key Procedural Endpoint for Successful Atrial Fibrillation Ablation** 138
 Speaker : Matthew Chen (Keck School of Medicine of USC)
- O38-6 Three-year safety, effectiveness, and quality-of-life of Hybrid Ablation versus Catheter Ablation: Results from the CEASE-AF trial** 138
 Speaker : Daijiro Hori (Ageo Central General Hospital, Saitama, Japan)

Room 13 | G416 + G417, North, 4F, PACIFICO Yokohama

Oral Presentation 40

AF Others 4

8:30-9:40

Moderator : Yoshinao Yazaki (Tokyo Medical University Hospital)
 Discussor : Naoharu Yagi (The Cardiovascular Institute)

- O40-1 Prevalence of Subtle Atrial Amyloid Deposition in Patients with Atrial Fibrillation -an Atrial Biopsy Study** 139
 Speaker : Kodai Shinzato (Department of Cardiovascular Medicine, Saga University, Saga, Japan)
- O40-2 Defining the Optimal Low-Voltage Area Threshold for Substrate Modification in Older Patients with Paroxysmal Atrial Fibrillation: A Sub-Analysis of the STABLE-SR-III Trial** 140
 Speaker : Ning Chen (The First Affiliated Hospital of Nanjing Medical University)
- O40-3 Time Course of Atrial Remodeling from Frequent Premature Atrial Complexes in Swine** 140
 Speaker : Shohei Kataoka (Section of Cardiac Electrophysiology, University of California-San Francisco, USA)
- O40-4 A Retrospective Study on Sex Differences in Left Atrial Scar Burden and Atrial Fibrillation** 141
 Speaker : Andrew Nguyen (Keck School of Medicine, University of Southern California, United States of America)
- O40-5 Unusual Findings during Atrial Fibrillation Catheter Ablation: A Case Series of Silent Left Atrium in Patients with Advanced Atrial Remodeling** 141
 Speaker : Alessandra Pina (University of Adelaide, Adelaide, SA, Australia)
- O40-6 Artificial intelligence-enhanced electrocardiogram for predicting paroxysmal atrial fibrillation from sinus rhythm electrocardiogram: Does a multi-factor model improve performance?** 142
 Speaker : Naomi Hirota (The Cardiovascular Institute, Japan)

Room 14 | G418 + G419, North, 4F, PACIFICO Yokohama

Oral Presentation 43

Basic Others 2

8:30-9:40

Moderator : Ling Kuo (Taipei Veterans General Hospital)
 Moderator : Takashi Kaneshiro (Department of Cardiovascular Medicine, Fukushima Medical University)

- O43-1 **Feasibility and Safety of Atrial Biopsy: Evidence from 1,000 cases** 143
 Speaker : Toyokazu Otsubo (Department of Cardiovascular Medicine, Saga University, Saga, Japan/Division of Cardiology, Saga-ken Medical Centre Koseikan, Saga, Japan)
- O43-2 **Relationship of catheter contact and lesion depth evaluated by intracardiac echocardiography using potato model in pulsed-field ablation** 144
 Speaker : Kazunari Mitsuishi (Kameda Medical Center, Japan)
- O43-3 **The effect of "Olive" application of pentaspline pulsed-field ablation catheter inside pulmonary vein using potato models** 144
 Speaker : Akira Nakashima (Kameda General Hospital, Japan)
- O43-4 **Three Dimensional Anatomical Analyses of Bachmanns Bundle and the Posterior Septal Bundle as sites for atrial lead implantation** 145
 Speaker : Neal Duong (University of Minnesota - Visible Heart Laboratories)
- O43-5 **Ventricular Pulsed Field Defibrillation: Preclinical Feasibility Study** 145
 Speaker : Nicholas Tan (Mayo Clinic, USA)
- O43-6 **Injectable Thermosensitive Hydrogel loaded Sustained-Release Lidocaine Microspheres for Long-Term Neuromodulation in Ischemic Ventricular Arrhythmias** 146
 Speaker : Shu Yang (The First Affiliated Hospital with Nanjing Medical University, China/The Affiliated Taizhou People's Hospital of Nanjing Medical University, China)

Oral Presentation 44

New Technology

9:50-11:00

Moderator : Shingo Sasaki (Department of Cardiology and Nephrology, Hirosaki University, Graduate School of Medicine)
 Moderator : Nobuhiro Nishii (Department of Cardiovascular Therapeutics, Okayama University Graduate School of Medicine, Dentistry, and Pharmaceutical Sciences)
 Discussor : Kosuke Nakasuka (National Cerebral and Cardiovascular Center)

- O44-1 **The presentation has been withdrawn.** 147
- O44-2 **Identification of Potential Candidates for Extravascular Implantable Cardioverter Defibrillators among Transvenous System Recipients** 148
 Speaker : Yuji Ishida (Hirosaki University, Japan)
- O44-3 **Comparison of Transjugular and Transfemoral Approaches for Leadless Pacemaker Implantation in Asian Patients: A Retrospective Analysis** 148
 Speaker : Seongjin Park (Samsung Medical Center)
- O44-4 **AN INITIAL REAL-WORLD EXPERIENCE OF EV-ICD IMPLANTATION FROM NORTH MALAYSIA REGION: A RETROSPECTIVE CROSS SECTIONAL DESCRIPTIVE STUDY** 149
 Speaker : Mohd Khairi Othman (School of Medical Sciences, Universiti Sains Malaysia/Cardiology Department, Hospital Sultanah Bahiyah)
- O44-5 **Feasibility of Single Lead Ventricular Pacing from the Right Atrium: Results from the VFAHF Clinical Study** 149
 Speaker : Joseph Y S Chan (Division of Cardiology, Department of Medicine and Therapeutics, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong SAR, China)
- O44-6 **Sensing and Detection Performance of the Novel, Small-diameter OmniaSecure Defibrillation Lead: LEADR Trial Analysis** 150
 Speaker : Prashanthan Sanders (Centre for Heart Rhythm Disorders, University of Adelaide, Australia)

Room 15 | Grand Ball Room B, 1F, The Kahala Hotel & Resort

Oral Presentation 45

AF (Except for Ablation) 2

13:00-14:10

Moderator : Shingen Owada (Iwate Medical University)
 Moderator : Shunsuke Uetake (Nippon Medical School Chiba-Hokusoh Hospital)

- O45-1 **Importance of early detection of transthyretin amyloid cardiomyopathy using cardiac computed tomography and high-sensitive troponin T: usefulness of early diagnosis and treatment for atrial arrhythmias** 151
 Speaker : Hisanori Kanazawa (Kumamoto University Hospital, Japan/Kumamoto University)

O45-2	The influence of socioeconomic status and sex in atrial fibrillation	152
	Speaker : Sahara Kaul (University of Alberta, Canada)	
O45-3	Effect of hyperuricemia on predicting heart failure and thromboembolism in patients with non-valvular atrial fibrillation. The prospective analysis from the Hokuriku-Plus AF registry.	152
	Speaker : Toyonobu Tsuda (Ishikawa Prefectural Central Hospital, Japan)	
O45-4	The Current and Future Total Health Care Costs of Atrial Fibrillation	153
	Speaker : Roopinder Sandhu (Libin Cardiovascular Institute, University of Calgary, Canada/Canadian VIGOUR Centre, University of Alberta, Canada)	
O45-5	The presentation has been withdrawn.	153
O45-6	Change in AI-Based Atrial Fibrillation Risk Classification Among Health Screening Participants: Implications for Follow-Up Strategy	154
	Speaker : Mayumi Masumura (Shizuoka City Shimizu Hospital)	

Oral Presentation 46

Basic Others 1

14:20-15:30

Moderator : Choi Jong-Il (Korea University College of Medicine and Korea University Hospital)

Moderator : Masatoshi Yamazaki (Nagano Hospital / The University of Tokyo)

O46-1	Cardiac-Targeting Peptide-Modified Polymeric Nanoparticles Encapsulated within pH-responsive Hydrogel Microspheres for the Treatment of Atrial Fibrillation	155
	Speaker : Xiaofeng Peng (State Key Laboratory of Digital Medical Engineering, School of Biological Science and Medical Engineering, Southeast University, China/Department of Cardiology, The First Affiliated Hospital with Nanjing Medical University, China)	
O46-2	Analysis of the correlation between helper T-lymphocyte subsets and atrial fibrillation: An observational and Mendelian randomization study	156
	Speaker : Jiahui Li (Second Hospital of Shanxi Medical University)	
O46-3	Exploration of Oxidative Stress and Inflammation Mechanisms in Osimertinib-Induced Atrial Fibrillation in Mice and the Preventive Effects of Statin	156
	Speaker : Jiaqi Liang (Department of Cardiovascular Medicine, The Second Affiliated Hospital of Xi'an Jiaotong University, China)	
O46-4	SGLT2 inhibitors suppress atrial fibrillation by regulating macrophage-mediated inflammation and fibrosis in mice	157
	Speaker : Satoshi Iwamiya (Institute of Science Tokyo, Japan)	
O46-5	Secretomes from human epicardial adipose tissue induce metabolomic dysfunction in human lymphatic endothelial cells.	157
	Speaker : Masaki Takahashi (Oita University, Japan)	
O46-6	Experimental Investigation of Myocardial Hypoxia Markers and Arrhythmogenicity in Hemorrhagic Shock by Optical Mapping Analysis	158
	Speaker : Bonpei Takase (Department of Intensive Care Medicine, National Defense Medical College, Japan/Division of Cardiology, Iruma Heart Hospital)	

Room 16 | Grand Ball Room A, 1F, The Kahala Hotel & Resort

Oral Presentation 47

AF Others 6

8:30-9:40

Moderator : Shiro Nakahara (Dokkyo Medical University Saitama Medical Center)

Moderator : Satoshi Shizuta (Japanese Red Cross Wakayama Medical Center)

Discussor : Eiichiro Oka (Nippon Medical School Musashikosugi Hospital)

O47-1	The utility of combining MFS and BNP for predicting arrhythmia recurrence after catheter ablation for atrial fibrillation	159
	Speaker : Kyoko Koyama (Yamagata University Hospital, Japan)	
O47-2	Gender differences in baseline clinical profiles and long-term left ventricular function of hospitalized atrial fibrillation patients with catheter ablation	160
	Speaker : Hao Su (Department of Cardiology, The First Affiliated Hospital of USTC, Division of Life Science and Medicine, University of Science and Technology of China)	

O47-3	A new scoring system for predicting recurrence after nonparoxysmal atrial fibrillation ablation in patients without left atrial low voltage area	160
	Speaker : Kei Hirota (Department of Cardiology and Clinical Examination, Oita University, Japan)	
O47-4	Prevention of atrial fibrillation recurrence with intravenous vitamin C during catheter ablation - a long-term follow up	161
	Speaker : Aiju Tian (National Clinical Medical Research Center for Cardiovascular Diseases, Cardiac Arrhythmia Center, National Center for Cardiovascular Diseases and Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College)	
O47-5	Type of Atrial Fibrillation Recurrence and Risk of Heart Failure Hospitalization After Catheter Ablation	161
	Speaker : Masato Okada (Sakurabashi Watanabe Advanced Healthcare Hospital, Japan)	
O47-6	Does Posterior Wall Isolation Impair Left Atrial Function in Atrial Fibrillation Ablation?	162
	Speaker : Yukihiro Inamura (Japanese Red Cross Saitama Hospital, Japan)	

Oral Presentation 49

Basic (AF)

13:00-14:10

Moderator : Yukiomi Tsuji (Department of Cardiovascular Research and Innovation, Nagoya University Graduate School of Medicine)

O49-1	Evaluating the Performance of Polygenic Risk Scores for Atrial Fibrillation in a High-Risk Population	163
	Speaker : Moizle Grace Ocariza (Christchurch Heart Institute, Department of Medicine, University of Otago, Christchurch, New Zealand)	
O49-2	The Impact of MBNL1 and MBNL2 Knockout on Atrial Arrhythmogenesis and Atrial Fibrillation	164
	Speaker : Yu-Chen Feng (School of Medicine, College of Medicine, Kaohsiung Medical University, Kaohsiung, Taiwan)	
O49-3	Atrial fibroblast-derived macrophage migration inhibitory factor promotes atrial macrophage accumulation in post-operative atrial fibrillation	164
	Speaker : Xander Wehrens (Baylor College of Medicine)	
O49-4	Discovering the drivers of atrial fibrillation with RNA sequencing	165
	Speaker : Moizle Grace Ocariza (Christchurch Heart Institute, Department of Medicine, University of Otago, Christchurch, New Zealand)	
O49-5	Single-Cell TCR Profiling Reveals Clonal Expansion of T Cells and the Mechanisms of Immune-Mediated Atrial Remodeling in Atrial Fibrillation	165
	Speaker : Mitsuhiro Shoda (Kobe university, japan)	
O49-6	Genetic Predisposition to Alcohol Metabolism and the Risk of Incident Atrial Fibrillation: A Prospective Cohort Study in the UK Biobank	166
	Speaker : Jae-Hyun Kim (Department of Internal Medicine, Seoul National University Hospital, Seoul, Republic of Korea)	

Room 17 | F201, 2F, Annex Hall, PACIFICO Yokohama

Oral Presentation 50

CSP 2

13:00-14:10

Moderator : Hiroyuki Kato (JCHO Chukyo Hospital)
 Moderator : Yuichiro Sakamoto (Toyohashi Heart Center, Cardiovascular medicine)
 Discussor : Masafumi Shimojo (Nagoya University Graduate School of Medicine)

O50-1	Impact of Left bundle branch area pacing on structural remodeling and global longitudinal strain in heart failure with reduced left ventricle ejection fraction.	167
	Speaker : Yerlan Turubayev (University Medical Center, Kazakhstan)	
O50-2	Intracardiac Electrogram-Based Measurement of Left Ventricular Activation Time for Confirming Left Bundle Branch Capture	168
	Speaker : Tianyi Shi (Cardiac Rhythm Management, Medtronic Technology Center, Shanghai, China)	

- O50-3 Correlation of Electrocardiographic Criteria for Left Bundle Branch Block with the Efficacy of Left Bundle Branch Area Pacing in Heart Failure Patients** 168
 Speaker : Hao Huang (Cardiac Arrhythmia Center, National Center for Cardiovascular Diseases, State Key Laboratory of Cardiovascular Disease, Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College)
- O50-4 Initial Pacing Approaches for Bradycardia with Preserved Left Ventricular Function: A Systematic Review and Meta-Analysis of His Bundle Versus Left Bundle Branch Pacing** 169
 Speaker : Nikita P Toding Labi (Faculty of Medicine, Sam Ratulangi University, Indonesia)
- O50-5 Poor correlation between unipolar impedance through the PSA and the IPG during LBBAP using stylet-driven leads** 169
 Speaker : Ajit Thachil (Lisie Heart Institute, Kochi, Kerala, India)
- O50-6 Early assessment of right ventricle function in heart failure patients with CRT indications treated with permanent left bundle branch area pacing.** 170
 Speaker : Yerlan Turubayev (University Medical Center, Kazakhstan)

Oral Presentation 51

CRT 14:20-15:30

Moderator : Wei Hua (Fu Wai Hospital, CAMS, Beijing, China)
 Moderator : Yoshinari Enomoto (National Center for Global Health and Medicine, Japan Institute for Health Security)
 Moderator : Daigo Yagishita (Tokyo Women's Medical University)

- O51-1 Cardiac Remodeling, Hemodynamic Changes, and Functional Outcomes of Rate Adaptive Atrial Pacing in Heart Failure with Preserved Ejection Fraction: A Systematic Review and Meta-Analysis** 171
 Speaker : Gusti Ngurah Prana Jagannatha (Department of Cardiology and Vascular Medicine, Udayana University/ Prof. dr. I.G.N.G Ngoerah General Hospital, Denpasar, Bali, Indonesia)
- O51-2 Clinical efficacy of optimized cardiac resynchronization therapy in patients with heart failure and atrioventricular block** 172
 Speaker : Hao Su (Department of Cardiology, The First Affiliated Hospital of USTC, Division of Life Science and Medicine, University of Science and Technology of China)
- O51-3 The presentation has been withdrawn.** 172
- O51-4 Effectiveness of the HeartInsight System in Predicting Heart Failure Rehospitalization in Japanese Patients with Severe Heart Failure** 173
 Speaker : Rei Kuji (Cardiology, Kokura Memorial Hospital, Japan)
- O51-5 Effectiveness of the HeartInsight System in Predicting Worsening Heart Failure in Japanese Patients** 173
 Speaker : Yukiko Takanashi (Chiba University Graduate School of Medicine Department of Cardiovascular Medicine, Japan)
- O51-6 Clinical implication of late-phase responder to cardiac resynchronization therapy** 174
 Speaker : Yui Kitami (Natinal Cerebral and Cardiovascular Center, JAPAN)

Room 19 | F203, 2F, Annex Hall, PACIFICO Yokohama

Oral Presentation 52

Diagnostic Technologies, Mapping, and Wearable 13:00-14:10

Chair : Mina Chung (Cleveland Clinic)
 Chair : Takashi Ashihara (Shiga University of Medical Science)
 Chair : Masaaki Yashima (Nippon Medical School)

- O52-1 Ventricular activation assessment using noninvasive CT-based 12-lead ECG mapping in left bundle branch pacing patients** 175
 Speaker : Maxim Gorev (Moscow city clinical hospital #52)
- O52-2 Mapping Indices for Source Depth Determination: Insights from a Computational Left Ventricular Summit Model** 176
 Speaker : Benjamin Wang (Melbourne Health)

- O52-3 The latest activation site of annulus by activation mapping: a new method to differentiate the origin in idiopathic premature ventricular contractions with septal earliest activation** 176
 Speaker : Yu Xia (State Key Laboratory of Cardiovascular Disease, Cardiac Arrhythmia Center, Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College)
- O52-4 Tailoring Electroanatomic Mapping Modes: Insights from the EP Device Registry** 177
 Speaker : Isabel Deisenhofer (Department of Electrophysiology, TUM University Hospital German Heart Center, Technical University of Munich (TUM), Munich, Germany)
- O52-5 The Impact of IHB burden and NT-proBNP on Left Atrial Remodeling Using a Home Blood Pressure Monitor in Patient with AF** 177
 Speaker : Hiroaki Watanabe (Jichi Medical University Hospital, Japan)
- O52-6 Comparative Analysis of Arrhythmia Detection and Clinical Outcomes in Asian and Non-Asian Populations Using Ambulatory Cardiac Monitoring** 178
 Speaker : Hiro Kawata (Peacehealth Sacred Heart Medical Center, Springfield, Oregon, USA)

Room 20 | F204, 2F, Annex Hall, PACIFICO Yokohama

Oral Presentation 55

Anticoagulants

14:20-15:30

Moderator : Masaharu Akao (Kyoto Medical Center)

Moderator : Eitaro Kodani (Nippon Medical School Tama Nagayama Hospital)

- O55-1 COMPARATIVE ANALYSIS OF DIRECT FACTOR XA INHIBITORS VERSUS WARFARIN IN PATIENTS WITH ATRIAL FIBRILLATION WITH VALVULAR HEART DISEASE: A SYSTEMATIC REVIEW AND META-ANALYSIS** 179
 Speaker : Jessica Perez (University of the Philippines - Philippine General Hospital)
- O55-2 Feasibility of Predicting NOAC Adherence via AI Analysis of Standard 12-Lead ECGs** 180
 Speaker : Seung Woo Lee (Department of Cardiology, Ewha Womans University Medical Center, College of Medicine, Republic of Korea)
- O55-3 Clinical course of nonagenarians with non-valvular atrial fibrillation (NVAf) taking direct oral anticoagulants (DOACs)** 180
 Speaker : Mihoko Kawabata (AOI Universal Hospital, Japan)
- O55-4 The efficacy and safety of Anticoagulants in very elderly individuals with atrial fibrillation** 181
 Speaker : Shintaro Miwa (Mitsui Memorial Hospital, Japan)
- O55-5 Oral Anticoagulant Use and the Risk of Septicemia in Persons with Prosthetic Joint Implant: A Territory-Wide Clinical Study** 181
 Speaker : Yap Hang Chan (The University of Hong Kong)