

## Mikamo Lecture (Sponsored by Japan Heart Foundation)

### 美甘レクチャー (日本心臓財団美甘基金)

March 23 (Fri) 11:15–12:00

Room 1 (Osaka International Convention Center, 5F, Main Hall)

Chairperson:

Yoshiki Sawa (Department of Surgery, Osaka University Graduate School of Medicine, Suita)

### Minimalist Lessons from the First TAVI Program in Rouen A Journey from the Initial Case to Sustain Success

Alain Cribier (Department of Cardiology, Hospital Charles Nicolle University of Rouen, France)

## Mashimo Memorial Lecture 真下記念講演

3月23日(金) 10:30–11:15

第1会場 (大阪国際会議場 5階 大ホール)

座長:

澤 芳樹 (大阪大学 心臓血管外科学)

### Recent Progress in iPS Cell Research and Application

山中 伸弥 (京都大学 iPS細胞研究所 所長)

## Special Lecture 1 特別講演 1

March 23 (Fri) 9:30–10:15

Room 9 (RIHGA Royal Hotel Osaka, Tower Wing, 3F, Royal Hall)

Chairperson:

Koichiro Kinugawa (The Second Department of Internal Medicine, University of Toyama, Toyama)

### GI Bleeding during LVAD Support: Pathophysiology and Therapy

Nir Uriel (University of Chicago, USA)

## シンポジウム 1 (CAD)

3月23日(金) 8:00–9:30

第1会場 (大阪国際会議場 5階 大ホール)

### 冠血行再建の Futurability

座長:

中村 正人 (東邦大学医療センター大橋病院 循環器内科)

夜久 均 (京都府立医科大学 心臓血管外科学)

#### 1. Is There Any Room for Improvement in Outcomes after Percutaneous Coronary Intervention? A Pathological Perspective

大塚 文之 (国立循環器病研究センター 心臓血管内科)

#### 2. Single-session versus Staged Procedures for Elective Multi-vessel Percutaneous Coronary Intervention: Observational Study

豊田 俊彬 (京都大学 循環器内科)

#### 3. The Development and Validation of SYNTAX Based Clinical Tools for Objective and Tailored Decision-making in Patients with Complex Coronary Atherosclerosis

浅海 泰栄 (国立循環器病研究センター 心臓血管内科 心臓血管系集中治療科)

#### 4. Futurability of Coronary Artery Bypass Grafting

秦 広樹 (大阪大学 心臓血管外科学)

#### 5. Standardization of Percutaneous Coronary Intervention: Strategies and Challenges Towards Patient-Centered Care within the KiCS-PCI Registry Network

澤野 充明 (慶應義塾大学 循環器内科)

## シンポジウム 2 (HF)

3月23日(金) 8:00-9:30

第2会場 (大阪国際会議場 5階 小ホール)

心不全と不整脈の管理～薬物治療からデバイス治療まで～

座長:

萩原 誠久 (東京女子医科大学 循環器内科学)

池田 隆徳 (東邦大学 循環器内科学)

- 1. The Impact of Rhythm Control on Reduction of Heart Failure Hospitalization in Patients with HFPEF and AF**  
町野 智子 (筑波大学 循環器内科)
- 2. Impact of Catheter Ablation of Atrial Fibrillation on Long-term Clinical Outcomes in Patients with Heart Failure**  
宮崎 晋介 (土浦協同病院 循環器センター 内科)
- 3. Clinical Impact of Catheter Ablation for Atrial Arrhythmias in Patients with Impaired Left Ventricular Function**  
野田 崇 (国立循環器病研究センター 心臓血管内科)
- 4. Outcomes of Catheter Ablation of Atrial Fibrillation in Patients Complicated with Left Ventricular Dysfunction.**  
池田 礼史 (埼玉医科大学国際医療センター 心臓内科)
- 5. Relationship between Device-detected Subclinical Atrial Fibrillation and the Risk Ofheart Failure in Patients with Reduced Left Ventricular Ejection Fraction**  
河村 光晴 (昭和大学 内科学講座 循環器内科学部門)
- 6. Outcomes among Cardiac Resynchronization Therapy (CRT) Patients with Nonspecific Intraventricular Conduction Delay versus RBBB, from the National Cardiovascular Data Registry.**  
河田 宏 (Division of Electrophysiology, Department of Cardiology, University of California, USA)
- 7. Role of Pharmacotherapy on Reducing Sudden Death in Patients with Heart Failure.**  
志賀 剛 (東京女子医科大学 循環器内科)

## シンポジウム 3 (O)

3月23日(金) 10:30-12:00

第10会場 (リーガロイヤルホテル大阪 タワーウイング 3階 光琳1)

誰がステントグラフト治療の未来を開きますか?—Aortic team の重要性—

座長:

倉谷 徹 (大阪大学 低侵襲循環器医療学)

宮本 伸二 (大分大学 心臓血管外科)

- 1. Future Prospects of the Aortic Team -Lessons from the UK as an Aortic Cardiologist**  
鈴木 亨 (Cardiovascular Medicine, University of Leicester, UK)
- 2. Initial Experience with Endovascular Aortic Aneurysm Repair by Aortic Team -Initiative of Cardiologists**  
飯田 修 (関西労災病院 循環器内科)
- 3. The Role of Cardiologist in Aortic Team for Appropriate Management of Aortic Diseases in Consideration of Minimal Invasive Treatment**  
中田 淳 (Department of Cardiology, Schwabing Hospital Munich, Germany)
- 4. Multidisciplinary Aortic Team for Ruptured Abdominal Aortic Aneurysm**  
福田 宏嗣 (獨協医科大学 心臓・血管外科)
- 5. Welcome to the New Aortic Team with Neurologists for Arch TEVAR**  
金 啓和 (大阪大学 心臓血管外科)
- 6. Our Current Approach to Establish Much Less Invasive EVAR**  
吉鷹 秀範 (心臓病センター榊原病院 心臓血管外科)

## シンポジウム 4

3月23日(金) 8:00-9:30

第13会場(リーガロイヤルホテル大阪 タワーウイング 2階 桐)

チームで心臓を治す、癒す:新しい組織の構築と実践

座長:

伊藤 浩(岡山大学 機能制御学 循環器内科)  
小林 順二郎(国立循環器病研究センター 心臓血管外科)

- 1. Heart Team Approach to TAVI**  
前田 孝一(大阪大学 心臓血管外科)
- 2. Preoperative Serum Albumin Level and Cognitive Function Influence on Improvement of Frailty after Transcatheter Aortic Valve Implantation**  
斉藤 和也(心臓病センター榊原病院 リハビリテーション室)
- 3. Preventive Care for Patients with Possible Heart Failure by Institutional Team Approach -Challenges of Heart Failure Center-**  
北川 知郎(広島大学 医歯薬保健学研究所 循環器内科学)
- 4. Both Multidisciplinary Team Approach, and the Outreach Network are Essential for Advanced Heart Failure Treatments**  
瀬口 理(国立循環器病研究センター 移植医療部)
- 5. Construction and Practice of Supportive and Palliative Care Team for Refractory Heart Failure Patients**  
大石 醒悟(兵庫県立姫路循環器病センター 循環器内科)

## Special Session 1 会長特別企画 1

3月23日(金) 10:30-12:00

第14会場(リーガロイヤルホテル大阪 タワーウイング 2階 桂)

循環器領域におけるIoT技術の進歩

座長:

松村 泰志(大阪大学 医療情報学)  
渡邊 英一(藤田保健衛生大学 循環器内科)

- 1. Consideration on Risk Management of Medical Devices and Systems Incorporating Information Technologies**  
佐久間 一郎(東京大学工学系研究科 医療福祉工学開発評価研究センター)
- 2. Telemedicine and Wearable Devices Using Medical ICT (Smartphones)**  
高尾 洋之(東京慈恵会医科大学 先端医療情報技術研究講座)
- 3. Remotely Supervised Real-time Cardiac Rehabilitation Using ICT Technology**  
谷口 達典(大阪大学 バイオデザイン学共同研究講座)
- 4. The Development of Remote Monitoring and Tele-health System for Patients with Pulmonary Hypertension**  
田村 雄一(国際医療福祉大学 循環器内科)

## Meet the ESC in Japan Session 1 (HF)

March 23 (Fri) 10:30-12:00

Room 2 (Osaka International Convention Center, 5F, Sub Hall)

**Atrial Fibrillation and Heart Failure -An Underestimated Combination**

Chairpersons:

Jeroen J. Bax (Department of Cardiology, Leiden University Medical Center, The Netherlands)  
Ken Okumura (Division of Cardiology, Saiseikai Kumamoto Hospital Cardiovascular Center, Kumamoto)

- 1. Understanding Atrial Fibrillation: New Insights in Pathophysiology**  
Barbara Casadei (University of Oxford, UK)
- 2. Prognostic Implications of Atrial Fibrillation in Heart Failure**  
Toshihisa Anzai (Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Sapporo)
- 3. Drug Therapy of Heart Failure in Patients with Atrial Fibrillation: How to Do It Right?**  
Michel Komajda (Department of Cardiology Hospital Saint Joseph Paris France, France)
- 4. Results and Implications of AF Ablation in Heart Failure Patients**  
Koichi Inoue (Cardiovascular Center, Sakurabshi Watanabe Hospital, Osaka)

## トピック 1 (HF)

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3月23日(金) 10:30-12:00

第9会場 (リーガロイヤルホテル大阪 タワーウイング 3階 ロイヤルホール)

日本におけるDT治療を考える

座長:

塩瀬 明 (九州大学 循環器外科学)  
戸田 宏一 (大阪大学 心臓血管外科学)

- 1. The Destination Therapy; Where is the Ultimate Destination?**  
秦 広樹 (大阪大学 心臓血管外科学)
- 2. Health Economic Impact of DT (Destination Therapy)**  
田倉 智之 (東京大学 医療経済政策学)
- 3. Home-based Self-Care and Multidisciplinary Support for Patients with Destination Therapy Left Ventricular Assist Device**  
肥後 太基 (九州大学 循環器内科学)
- 4. Destination Therapy in Japan: Lessons Learned from the Experience on Patients with Bridge to Transplantation Therapy and Clinical Study of Destination Therapy**  
瀬口 理 (国立循環器病研究センター 移植医療部)
- 5. How to Expand Ventricular Assist Device Therapy Outside the Urban Area?**  
絹川 弘一郎 (富山大学 第二内科)
- 6. What Will be the Impediments to Sustainable Destination Therapy?**  
齋木 佳克 (東北大学 外科病態学講座 心臓血管外科学分野)

## コントロバナーシー 1 (HF)

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3月23日(金) 8:00-9:30

第9会場 (リーガロイヤルホテル大阪 タワーウイング 3階 ロイヤルホール)

低左心機能MRに対する治療の最前線

座長:

松居 喜郎 (北海道大学 循環器・呼吸器外科)  
山本 一博 (鳥取大学 病態情報内科学)

- 1. Optimal Non-surgical Management for Heart Failure with Secondary Mitral Valve Regurgitation**  
衣笠 良治 (鳥取大学 病態情報内科学)
- 2. Surgical Strategy for End Stage DCM-MR: Repair or Replacement?**  
戸田 宏一 (大阪大学 心臓血管外科学)
- 3. Surgical Results for Functional Mitral Regurgitation -Left Ventriculoplasty and Mitral Surgery**  
新宮 康栄 (北海道大学 循環器・呼吸器外科)
- 4. Percutaneous Edge-to-edge Repair for Severe Mitral Regurgitation Associated with Left Ventricular Dysfunction**  
大野 洋平 (東海大学 循環器内科学)

## Late Breaking Cohort Studies 1 (A)

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3月23日(金) 10:30-12:00

第6会場 (大阪国際会議場 12階 特別会議場)

Anti-platelet and Anti-Coagulation Therapy

座長:

中川 義久 (天理よろづ相談所病院 循環器内科)  
副島 京子 (杏林大学 循環器内科)

- 1. Epidemiological Study Using Medical Information Database of Antiplatelet Therapy in Patients with Percutaneous Coronary Intervention**  
横井 宏佳 (福岡山王病院 循環器センター)
- 2. Interim Result of Prasugrel for Japanese Patients with Ischemic Heart Disease in Long-term Clinical Practice. (PRASFIT-Practice II)**  
中村 正人 (東邦大学医療センター 大橋病院 循環器内科)
- 3. Registry of Japanese Patients with Atrial Fibrillation Focused on Anticoagulant Therapy in the New Era: 1-Year Follow-up of the RAFFINE Registry**  
宮内 克己 (順天堂大学 循環器内科学)

4. **Two-Year Follow-up Outcomes of Direct Oral Anticoagulants and Warfarin for Atrial Fibrillation in Japan: Findings from the SAKURA AF Registry**  
奥村 恭男 (日本大学 内科学系循環器内科学分野)
5. **The Interim Analysis of the Xarelto Post-marketing Surveillance in Japanese Patients with Venous Thromboembolism**  
平山 篤志 (日本大学 内科学系循環器内科学分野)
6. **Anticoagulation Therapy for Venous Thromboembolism in the Real World: From COMMAND VTE Registry**  
山下 侑吾 (京都大学 循環器内科学)

## Oral Presentation (English) 1 (HF)

March 23 (Fri) 9 : 40—10 : 20  
Room 2 (Osaka International Convention Center, 5F, Sub Hall)

### Regeneration (Basic/Clinical)

Chairpersons :

Hidemasa Oh (Department of Regenerative Medicine, Center for Innovative Clinical Medicine, Okayama University Hospital, Okayama)

Masayuki Takamura (Department of Cardiology, Kanazawa University Hospital, Kanazawa)

- OE01-1 Cell Cycle Modification of iPSC-derived Cardiomyocyte for Cardiac Cell Therapy**  
Manabu Kasamoto (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE01-2 Cited4 is Related to Cardiogenic Induction and Functions to Maintain Proliferation Capacity of Mouse Embryonic Stem Cell-derived Cardiomyocytes**  
Junichiro Miake (Department of Molecular Medicine and Therapeutics, Tottori University Faculty of Medicine, Yonago)
- OE01-3 Tbx6 is Critical for Mesoderm Induction and Lineage Diversification into Cardiovascular and Somite Lineages in Pluripotent Stem Cells**  
Taketaro Sadahiro (Department of Cardiology, Keio University School of Medicine, Tokyo)
- OE01-4 Oncostatin M Induces Heart Regeneration via Promoting Cardiomyocyte Dedifferentiation and Proliferation**  
Yandong Li (State Key Laboratory of Cardiovascular Disease, Fuwai Hospital & Cardiovascular Institute, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences & Peking Union Medical College, China)

## Oral Presentation (English) 2 (CAD)

March 23 (Fri) 8 : 00—9 : 20  
Room 3 (Osaka International Convention Center, 7F, 701+702)

### ACS/AMI (Clinical/Diagnosis)

Chairpersons :

Masaharu Ishihara (Division of Coronary Artery Disease, Department of Internal Medicine, Hyogo College of Medicine, Nishimoniya)

Tetsuya Amano (Department of Cardiology, Aichi Medical University, Nagakute)

- OE02-1 Development of Simple Risk Score with High Accuracy for ST-segment Elevation Myocardial Infarction -The OACS Risk Score-**  
Daisaku Nakatani (Department of Medical Innovation, Osaka University Graduate School of Medicine, Suita)
- OE02-2 Impact of Coronary Spasm Related Type2 MI on Comparable Prognoses of Type1 and Type2 MI in Japanese: J-MINUET Substudy**  
Kenji Sakamoto (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)
- OE02-3 The Optimal Cutoff Value of High-sensitivity Cardiac Troponin I in Patients with Stage 4-5 Chronic Kidney Disease**  
Takamasu Iwai (Department of Cardiology, Japanese Red Cross Musashino Hospital, Tokyo)
- OE02-4 Development of TOMIN (TOkyo CCU Network Myocardial Infarction) Score to Predict In-hospital Mortality for Patients with Myocardial Infarction.**  
Kota Komiyama (Tokyo CCU Network Scientific Committee, Division of Cardiology, Mitsui Memorial Hospital, Tokyo)
- OE02-5 Clinical Features of Emergency Room Patients with High Sensitive Troponin I Positive and Creatine Kinase MB Negative**  
Tsukasa Shimura (Department of Cardiology, Japan Red Cross Yokohama City Bay Hospital, Yokohama)
- OE02-6 Temporal Trends in Acute Myocardial Infarction in Advanced Aged Community -Observational Study in Kesen-numa City-**  
Ryuji Tsuburaya (Department of Cardiology, Kesen-numa City Hospital, Kesennuma)
- OE02-7 Life-threatening Complications of Acute Myocardial Infarction in the Era of Modern Revascularization: Analysis of 3,311 Patients in Single High-volume Center**  
Toshiyuki Kimura (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- OE02-8 Influence of Weather Condition on Frequency of STEMI: A Multicenter Study of Tokyo CCU Network Database.**  
Mikio Kishi (Tokyo CCU Network Scientific Committee, Tokyo)

## Oral Presentation (English) 3 (CAD)

March 23 (Fri) 9 : 20—10 : 30  
Room 3 (Osaka International Convention Center, 7F, 701+702)

### Coronary Circulation/Chronic Coronary Disease (Basic/Clinical)

Chairpersons :

Hayato Ohtani (Department of Internal Medicine III, Hamamatsu University School of Medicine, Hamamatsu)  
Hidetaka Nishina (Department of Cardiology, Tsukuba Medical Center Hospital, Tsukuba)

- OE03-1 Important Roles of Cardiac Lymphatic Duct System in the Regulation of Coronary Vasomotion in Pigs in Vivo**  
Hirokazu Amamizu (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE03-2 Diagnostic and Prognostic Efficacy of Coronary Flow Capacity Obtained Using Pressure-Temperature Sensor-Tipped Wire-Derived Physiological Indices**  
Rikuta Hamaya (Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE03-3 Impact of Hydrostatic Pressure on Fractional Flow Reserve: In Vivo Experimental Study for Anatomical Height Difference of Swine Coronary Artery**  
Suguru Nagamatsu (Department of Cardiovascular Medicine, Kumamoto University School of Medicine, Kumamoto)
- OE03-4 Prognostic Efficacy of Volumetric Coronary Sinus Flow Obtained from Phase-contrast Cine Magnetic Resonance Imaging in Patients with Stable Angina**  
Rikuta Hamaya (Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE03-5 Predictors of Discordance between Instantaneous Wave-free Ratio and Fractional Flow Reserve**  
Natsuko Satomi (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE03-6 Advantages of Optical Frequency Domain Imaging Compared with Intravascular Ultrasound in the Setting of Rotational Atherectomy**  
Tetsuro Nishimura (Department of Cardiology, Japanese Red Cross Kyoto Daiichi Hospital, Kyoto)
- OE03-7 Agreement of FFR and iFR with Coronary Flow Capacity Incorporating Hyperemic Flow Velocity and Coronary Flow Reserve**  
Yuetsu Kikuta (Department of Cardiovascular Medicine, Fukuyama Cardiovascular Hospital, Fukuyama)

## Oral Presentation (English) 4 (CAD)

March 23 (Fri) 10 : 30—12 : 00  
Room 3 (Osaka International Convention Center, 7F, 701+702)

### Coronary Circulation/Chronic Coronary Disease (Basic/Clinical), Coronary Revascularization/PCI (New Devices/New Technology)

Chairpersons :

Haengnam Park (Internal Medicine II, Kansai Medical University, Hirakata)  
Yasuharu Matsumoto (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

- OE04-1 Impact of Microalbuminuria on Patients with Vasospastic Angina and without Diabetes Mellitus and Chronic Kidney Disease**  
Hiroyuki Hikita (Cardiovascular Center, Yokosuka Kyosai Hospital, Yokosuka)
- OE04-2 Relationship between the Prognostic Nutritional Index and Long-term Clinical Outcomes in Patients with Stable Coronary Artery Disease**  
Hideki Wada (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)
- OE04-3 Impact of Intensively Lowered LDL Cholesterol on Long-Term Prognosis after Deferral of Revascularization Based on Fractional Flow Reserve**  
Shun Nakamura (Department of Cardiology, JA Toride Medical Center, Toride)
- OE04-4 A Highly Sensitive Regulatory System of Plasma B-type Natriuretic Peptide to Ischemic Heart Disease Determined by Intracoronary Pressure Measurement**  
Ryosuke Itakura (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)
- OE04-5 Simplified Algorithm for Computed FFR Evaluation might Facilitate Immediate Decision-making Suggestion for Revascularization following CT Angiography**  
Keita Okayama (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE04-6 Long-Term Clinical Outcome of Deferred Lesions with "Gray-Zone" Fractional Flow Reserve**  
Shun Nakamura (Department of Cardiology, JA Toride Medical Center, Toride)

- OE04-7 Diagnostic Impact of Hybrid Cardiac Perfusion SPECT/CT for Patients with Coronary Artery Disease after Coronary Artery Bypass Grafting**  
Yoshimitsu Fukushima (Department of Radiology, Nippon Medical School, Tokyo)
- OE04-8 Comparison between a Novel Bioabsorbable Polymer Everolimus-eluting Stent and a Durable Polymer Everolimus-eluting Stent**  
Masakazu Tsutsumi (Department of Cardiology, Saiseikai Yokohama-city Eastern Hospital, Yokohama)
- OE04-9 Comparison of FFR Values between Pressure Wire and Microcatheter: ACCESS-J study**  
Satoshi Hosokawa (Cardiology, Kikuna Memorial Hospital, Yokohama)

### Oral Presentation (English) 5 (IM)

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March 23 (Fri) 8 : 00—9 : 30

Room 5 (Osaka International Convention Center, 11F, 1101+1102)

#### CT/MRI (Coronary/Vascular/Myocardium)

Chairpersons :

Teruo Noguchi (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

Akira Kurata (Department of Radiology, Ehime University Graduate School of Medicine, Toon)

- OE05-1 Prognostic Utility of Phase Contrast Cine-Magnetic Resonance Imaging of Coronary Sinus after ST-Segment Elevation Myocardial Infarction**  
Yoshinori Kanno (Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE05-2 Impact of Coronary Calcium Score on Mid- to Long-term Prognosis in Coronary Computed Tomography Angiography**  
Hideya Yamamoto (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE05-3 Evaluation of Peri-stent Contrast Staining Derived From Computed Tomographic Angiograms and its Clinical Value for Predicting Very Late Stent Thrombosis**  
Kasumi Ishibuchi (Department of Cardiology, Higashi Takarazuka Sato Hospital, Takarazuka)
- OE05-4 The Impact of Eicosapentaenoic Acid on Plaque Progression by Serial Coronary Computed Tomography Angiography**  
Yasuomi Nagahara (Department of Cardiology, Fujita Health University School of Medicine, Toyoake)
- OE05-5 On-site Assessment of CT-FFR in Comparison with Myocardial Perfusion Imaging and Invasive FFR**  
Keiichi Miyajima (Department of Cardiology, Fujita Health University, Toyoake)
- OE05-6 Usefulness of a Novel Plaque Analysis Software Using a Labeling Method in Low-tube Voltage Protocol**  
Kazuhisa Takamura (Department of Cardiovascular Medicine, Juntendo University, Graduate School of Medicine, Tokyo)
- OE05-7 Wall Shear Stress Measured by Computational Fluid Dynamics is Related to Clinical Instability of Coronary Lesions**  
Haruka Iwase (Cardiovascular Imaging Clinic Iidabashi, Tokyo)
- OE05-8 Detection of Myocardial Fibrosis in Cardiomyopathy Using High-temporal Tagging-MRI: Comparison with Feature-tracking MRI**  
Eri Watanabe (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE05-9 Differences in Late Gadolinium Enhancement and Microvascular Dysfunction by Cardiac MRI in Patients with Hypertrophic Cardiomyopathy and Hypertensive Heart Disease**  
Chisato Takamura (CVIC Medical Corporation Cardiovascular Imaging Clinic Iidabashi, Tokyo)

### Oral Presentation (English) 6 (IM)

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March 23 (Fri) 9 : 35—10 : 35

Room 5 (Osaka International Convention Center, 11F, 1101+1102)

#### Nuclear Cardiology (Coronary/Myocardium/PET)

Chairpersons :

Shigeru Fukuzawa (Heart and Vascular Institute, Division of Cardiology, Funabashi Municipal Medical Center, Funabashi)

Mitsuru Momose (Department of Internal Medicine and Cardiology, Momose Heart and Internal Medicine Clinic, Tokyo)

- OE06-1 Feasibility of Right Ventricular Functional Analysis by ECG-Gated Myocardial Perfusion SPECT Imaging: Comparison to MRI Measurement**  
Keisuke Kiso (Department of Radiology, National Cerebral and Cardiovascular Center, Suita)



- OE06-2 Imaging of Cardiac Repair after Myocardial Infarction: From Inflammation to Reparative Change Using C-14-methionine and I-125-RGD**  
Junichi Taki (Department of Nuclear Medicine, Kanazawa University Hospital, Kanazawa)
- OE06-3 Prognostic Value and Limitation of Normal Stress Myocardial Perfusion Imaging in Chronic Kidney Disease: Based on the J-ACCESS-3**  
Shinro Matsuo (Department of Nuclear Medicine, Kanazawa University, Kanazawa)
- OE06-4 Reduced Quantitative Pulmonary Blood Flow and its Relationship with Endothelial Dysfunction Using O-15-labeled Water PET in Chronic Thromboembolic Pulmonary Hypertension**  
Keiichiro Yoshinaga (Diagnostic and Therapeutic Nuclear Medicine, National Institute of Radiological Sciences, Chiba)
- OE06-5 Value of <sup>18</sup>F-Sodium Fluoride Positron Emission Tomography for Risk Assessment of Coronary Atherosclerosis: Comparison to Computed Tomography Angiography**  
Toshiro Kitagawa (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE06-6 Metabolic Activity of Aortic Valve Calcification is Related to Coronary Atherosclerosis -A Pilot Study Using <sup>18</sup>F-Sodium Fluoride Positron Emission Tomography-**  
Yumiko Nakamoto (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)

## Oral Presentation (English) 7 (O)

March 23 (Fri) 9 : 20—10 : 10

Room 6 (Osaka International Convention Center, 12F, Conference Hall)

### Cerebrovascular Circulation/Stroke

Chairpersons :

Hisatomi Arima (Department of Preventive Medicine and Public Health, Fukuoka University, Fukuoka)

Akio Kawamura (Department of Cardiology, International University of Health and Welfare, Narita)

- OE07-1 Identification of Six Polymorphisms as Novel Susceptibility Loci for Ischemic or Hemorrhagic Stroke by Exome-wide Association Studies**  
Mitsutoshi Oguri (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)
- OE07-2 Follow-up Complication Considering Post-procedural Medication of the Left Atrial Appendage Closure for Stroke Prevention in Atrial Fibrillation**  
Yae Matsuo (Department of Cardiology, Kitakanto Cardiovascular Hospital, Shibukawa)
- OE07-3 New-onset Transient Atrial Fibrillation is a Risk Factor of Cardiogenic Brain Embolism after Acute Myocardial Infarction**  
Taiki Shiba (Department of Cardiology, Chiba Aoba Municipal Hospital, Chiba)
- OE07-4 Predictors of Left Atrial Appendage Stunning after Electrical Cardioversion in Patients with Atrial Fibrillation**  
Hideyuki Kishima (Department of Internal Medicine, Cardiovascular Division, Hyogo College of Medicine, Nishinomiya)
- OE07-5 CHA2DS2-VASc Score and Renal Impairment are Associated with Silent Brain Infarction in Patients with Severe Aortic Stenosis**  
Yu Kawai (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)

## Oral Presentation (English) 8 (HF)

March 23 (Fri) 8 : 00—9 : 20

Room 7 (Osaka International Convention Center, 12F, 1202)

### Heart Failure (Laboratory/Biomarkers) 1

Chairpersons :

Yutaka Furukawa (Division of Cardiology, Department of Medicine, Kobe City Medical Center General Hospital, Kobe)

Yasuo Sugano (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

- OE08-1 Novel Biomarker of Reactive Oxygen Species (ROS) in Patients with Heart Failure (HF) with Reduced Left Ventricular Ejection Fraction (HFrEF).**  
Taiki Nishihara (Department of Cardiovascular Medicine, Faculty of Life Sciences, Graduate School of Medical Science, Kumamoto University, Kumamoto)
- OE08-2 Percent BNP Reduction Achieved during Hospitalization Predicts Prognosis in Patients with Acute Heart Failure: Insights from REALITY-AHF**  
Nobuyuki Kagiya (Department of Cardiology, The Sakakibara Heart Institute of Okayama, Okayama)

- OE08-3 Association of C-reactive Protein/Albumin Ratio with Heart Failure Severity and Prognosis in Patients with Dilated Cardiomyopathy**  
Satoshi Terasaki (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE08-4 The Mechanism of The Association Fibrosis-4 Index with Poor Outcome in Patient with Heart Failure**  
Daichi Maeda (Department of Cardiology, Osaka Medical College, Takatsuki)
- OE08-5 Heart Failure is Associated with an Altered Intestinal Microbiome**  
Themistoklis Katsimichas (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE08-6 Visit-to-visit Blood Pressure Variety Has Independent Prognostic Value in Patients with Heart Failure with Preserved Ejection Fraction.**  
Takuya Yuri (Department of Cardiology, The Sakakibara Heart Institute of Okayama, Okayama)
- OE08-7 Prognostic Value of Placental Growth Factor for Adverse Events in Patients with Acute Decompensated Heart Failure**  
Yasuki Nakada (First Department of Internal Medicine, Nara Medical University, Kashihara)
- OE08-8 East Asia Has a Strikingly Better Survival Following Acute Heart Failure Compared with Europe: Results from an International Observational Cohort**  
Eiichi Akiyama (Inserm UMR-S 942, France)

## Oral Presentation (English) 9 (HF)

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March 23 (Fri) 9 : 25—10 : 35  
Room 7 (Osaka International Convention Center, 12F, 1202)

### Heart Failure (Laboratory/Biomarkers) 2

Chairpersons :

Toshio Nishikimi (Department of Medicine, Wakakusa Tsuma Rehabilitation Hospital, Daito)  
Hiroyuki Naruse (Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University School of Medicine, Toyoake)

- OE09-1 Xanthine Oxidoreductase Activity and Cardio-hepatic Interaction in Patients with Heart Failure**  
Yoichiro Otaki (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- OE09-2 Markedly Elevated Pericardial Fluid Levels of Periostin are Involved in Left Ventricular Dysfunction with Coronary Artery Disease**  
Shoichi Miyamoto (Cardiovascular Center, Kitano Hospital, The Tazuke Kofukai, Medical Research Institute, Osaka)
- OE09-3 Association of Plasma Fischer Ratio (FR) and Atrial Fibrillation (AF) in Patients with Idiopathic Dilated Cardiomyopathy (DCM)**  
Minoru Wakasa (Department of Cardiology, Kanazawa Medical University, Kahoku)
- OE09-4 Potential of Serum Markers of Hepatic Fibrosis in Chronic Heart Failure**  
Atsushi Okada (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- OE09-5 In Heart Failure with Preserved Ejection Fraction, Soluble ST2 and Brain Natriuretic Peptide Predict Different Mode of Death, Respectively**  
Akinori Sugano (Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE09-6 Secular Change in Predictors for Poor Prognosis in Patients with Acute Heart Failure: Insights from Acute Heart Failure Kyoto Registry**  
Takuya Taniguchi (Department of Cardiovascular Medicine, North Medical Center, Kyoto Prefectural University of Medicine, Yosano-cho)
- OE09-7 Analysis of Correlation between Myocardial Expression of DPP-4 and Clinical Parameters in Patients with Heart Failure**  
Masanori Hirose (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)

## Oral Presentation (English) 10 (HF)

March 23 (Fri) 8 : 00—9 : 10

Room 8 (Osaka International Convention Center, 12F, Grande Toque)

### Vascular Disease (Therapy) 1

Chairpersons :

Kiyotaka Kugiyama (Internal Medicine II, University of Yamanashi, Chuo)

Akira Miyamoto (Cardiovascular Center, Department of Cardiology, Takatsu General Hospital, Kawasaki)

**OE10-1 Activation of Xanthine Oxidoreductase in Vascular Endothelial Cells Mediates Aortic Aneurysm Progression in Marfan Syndrome**

Hiroki Yagi (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Bunkyo-ku)

**OE10-2 The Clinical Outcome of Monthly Checkup of Home Exercise in Patients with Peripheral Artery Disease Treated with Endovascular Therapy**

Akiko Tanaka (Department of Cardiology, Sendai Kousei Hospital, Sendai)

**OE10-3 Clinical Features of Type B Acute Aortic Syndrome Complicated by Spinal Cord Ischemia**

Kenichi Ishizu (Department of Cardiology, Kobe City Medical Center General Hospital, Kobe)

**OE10-4 The Impact of Lumbar Sympathetic Nerve Block on Skin Perfusion Pressure Values in Critical Limb Ischemia Patients**

Takumi Inoue (Department of Cardiology, Hyogo Prefectural Awaji Medical Center, Sumoto)

**OE10-5 Impact of Nutritional Status on Clinical Outcomes in Critical Limb Ischemia with Tissue Loss after Endovascular Treatment**

Kenji Makino (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)

**OE10-6 Impact of Percutaneous Endoarterectomy of Heavily Calcified Lesion in Non-stent Zone with OPTIMO Sheathless Guiding and Biptome (BRAVO)**

Yoshito Yamamoto (Department of Cardiology, Iwaki Kyoritsu General Hospital, Iwaki)

**OE10-7 Impact of Clinical Frailty in Patients with Peripheral Artery Disease: From I-PAD Registry**

Tomoaki Mochidome (Department of Cardiovascular Medicine, Shinshu University, Matsumoto)

## Oral Presentation (English) 11 (HF)

March 23 (Fri) 9 : 20—10 : 30

Room 8 (Osaka International Convention Center, 12F, Grande Toque)

### Vascular Disease (Therapy) 2

Chairpersons :

Genta Chikazawa (Department of Cardiovascular Surgery, The Sakakibara Heart Institute of Okayama, Okayama)

Koji Hozawa (Department of Cardiology, New Tokyo Hospital, Matsudo)

**OE11-1 The Efficacy of Novel Balloon Technique: Ultra SOUL Technique (Ultra Long Inflation for SFA Stenosis and Occluded Lesion Using Guide Liner)**

Shigemitsu Shirai (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)

**OE11-2 Arrival Time Ratio of Below the Ankle as a Determinant Factor for Limb Salvage: Evaluation of 2D-perfusion Angiography**

Kuniyasu Ikeoka (Department of Cardiology, Yao Municipal Hospital, Yao)

**OE11-3 Should We Add Cilostazol to the Patients Receiving Combination of Aspirin and Thienopyridine after Femoropopliteal Stenting?**

Masakazu Tsutsumi (Department of Cardiology, Saiseikai Yokohama-city Eastern Hospital, Yokohama)

**OE11-4 Fundamental Therapeutic Approach to Critical Limb Ischemia**

Gen Takagi (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

**OE11-5 Risk Assessment to Recommend Best Supportive Care in Patients with Critical Limb Ischemia**

Ryuma Ishihara (Cardiovascular Disease Center, Kawakita General Hospital, Tokyo)

**OE11-6 Hyperemic Stenosis Resistance is a Novel Physiological Index to Stenotic Severity in Superficial Femoral Artery.**

Kuniyasu Ikeoka (Department of Cardiology, Yao Municipal Hospital, Yao)

**OE11-7 Long Term Outcomes of Coil Embolization for Type II Endoleak after EVAR**

Junichi Tazaki (Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto)

## Oral Presentation (English) 12 (HF)

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March 23 (Fri) 10 : 40—12 : 00

Room 8 (Osaka International Convention Center, 12F, Grande Toque)

### Infection/Inflammation/Immunity, Shock

Chairpersons :

Satoshi Fujii (Department of Laboratory Medicine, Asahikawa Medical University, Asahikawa)

Naoki Ishimori (Department of Cardiovascular Medicine, Hokkaido University Hospital, Sapporo)

**OE12-1 Frequency of Bacteria in Culprit Coronary Artery Aspirate Obtained from Young versus Old Patients with ST-elevation Myocardial Infarction.**

Magdy Algowhary (Department of Cardiology Assiut University Hospital, Egypt)

**OE12-2 Relationship between Albumin-to-globulin Ratio and Cardiac Function**

Kanako Akamatsu (Department of Cardiology, Osaka Medical College, Takatsuki)

**OE12-3 Canagliflozin, an SGLT-2 Inhibitor, Attenuates Toll-like Receptor-mediated Exacerbation of Cardiorenal Syndrome in Diabetic Rats.**

Yukishige Kimura (Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University, Sapporo)

**OE12-4 Novel Organic Carnitine Transporter Autoantibodies in Myocardial and Renal Failure with Intracellular Carnitine Deficiency.**

Akiyasu Baba (Department of Cardiology, Tokyo Dental College, Ichikawa General Hospital, Chiba)

**OE12-5 Development of Computer-controlled Closed-loop Drug Infusion System for Automated Hemodynamic Resuscitation in Endotoxin-induced Septic Shock**

Kazunori Uemura (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)

**OE12-6 Short-acting  $\beta$ -blocker Safely Reduces Heart Rate without Compromising Initial Hemodynamic Resuscitation in Endotoxin-induced Septic Shock**

Kazunori Uemura (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)

**OE12-7 Clinical Results and Predictive Factors of Patients Requiring Percutaneous Cardiopulmonary Support for Cardiogenic Shock Caused by Acute Myocardial Infarction.**

Kenta Hashimoto (Department of Cardiology, Otemae Hospital, Osaka)

**OE12-8 Clinical Impact of Intra-Aortic Balloon Pump (IABP) during Extracorporeal Membrane Oxygenation (ECMO) for Cardiogenic Shock and Arrest from Tokyo CCU Network Database**

Norihiro Kuroki (Tokyo CCU Network Scientific Committee, Tokyo/Department of Cardiology, Tokyo Metropolitan Bokutoh Hospital, Tokyo)

## Oral Presentation (English) 13 (HF)

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March 23 (Fri) 8 : 00—9 : 20

Room 10 (RIHGA Royal Hotel Osaka, Tower Wing, 3F, Kourin 1)

### Aortic Disease

Chairpersons :

Motonobu Nishimura (Division of Organ Regeneration Surgery, Department of Surgery, Tottori University Faculty of Medicine, Yonago)

Kazuo Shimamura (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)

**OE13-1 Alterations in Cerebrospinal Fluid Temperature as an Indicator to Probe Spinal Cord Perfusion during Descending Thoracic or Thoracoabdominal Aortic Surgery**

Yoshikatsu Saiki (Division of Cardiovascular Surgery, Tohoku University, Sendai)

**OE13-2 Adult Human Bone Marrow Mesenchymal Stromal Cells Attenuate Spinal Cord Ischemia Reperfusion Injury in a Mouse Aortic Arch Cross-Clamping Model**

Hidekazu Nakai (Division of Cardiovascular Surgery, Department of Surgery, Kobe University Graduate School of Medicine, Kobe)

**OE13-3 Computational Fluid Dynamics Analysis of Thoracic Aorta**

Satoshi Numata (Department of Cardiovascular Surgery, Kyoto Prefectural University of Medicine, Kyoto)

**OE13-4 Surgical Outcomes of Translocated Total Arch Replacement with Frozen Elephant Trunk Technique in Acute Aortic Dissection**

Takayuki Kadohama (Department of Cardiovascular Surgery, Akita University Graduate School of Medicine, Akita)

**OE13-5 Mid- and Long-term Results of Hybrid TEVAR with Debranching for Aortic Arch Aneurysm in Elderly Patients**

Masami Shingaki (Department of Cardiovascular Surgery, Hakodate Municipal Hospital, Hakodate)

- OE13-6 Impact of Extended Replacement on Mortality in Type A Acute Aortic Dissection: Analysis from the Tokyo Acute Aortic Super-Network Database**  
Takashi Kunihiro (Department of Cardiovascular Surgery, The Cardiovascular Institute, Tokyo)
- OE13-7 Outcomes of Surgical Embolectomy for Acute Pulmonary Embolism**  
Keiichi Ishida (Department of Cardiovascular Surgery, Chiba Graduate School of Medicine, Chiba)
- OE13-8 PCSK9 Inhibitor Reduce Aortic Lesion by TEE**  
Kazuhiko Hanzawa (Department of Thoracic and Cardiovascular Surgery, Niigata University Graduate School of Medicine and Dental Science, Niigata)

## Oral Presentation (English) 14 (HF)

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March 23 (Fri) 8 : 00—9 : 10

Room 11 (RIHGA Royal Hotel Osaka, Tower Wing, 3F, Kourin 2)

### VAD

Chairpersons :

Hitoshi Yokoyama (Department of Cardiovascular Surgery, Fukushima Medical University, Fukushima)

Minoru Ono (Department of Cardiac Surgery, The University of Tokyo Graduate School of Medicine, Tokyo)

- OE14-1 Risk Analysis of Right Ventricular Failure after Left Ventricular Assist Device Implantation**  
Takaaki Samura (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)
- OE14-2 Implantable Ventricular Assist Device -20-year Experiences in a Single Center**  
Yih-Shang Chen (Cardiovascular Surgery, National Taiwan University Hospital, Taiwan)
- OE14-3 The First Experience in Using Jarvik 2000 Post-Auricular Model under Patient-Proposed Healthcare Services in Japan**  
Ryohei Matsuura (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)
- OE14-4 Patient-Specific Cardiac Supporting Device with Less Constraint on Right Ventricle for Dilated Cardiomyopathy Immediately Improves Cardiac Function.**  
Toshiaki Akita (Department of Cardiac Surgery, Nagoya University Graduate School of Medicine, Nagoya)
- OE14-5 Evaluation of Acute Ischemic Stroke Using 320-row Area Detector CT Scanner in Patients with Implantable Ventricular Assist Device**  
Minoru Tateishi (Department of Cardiovascular Surgery, Tokyo Women's Medical University, Tokyo)
- OE14-6 Towards Less Invasive and More Effective Reconstruction of the Left Ventricle in Patients with Dilated Cardiomyopathy**  
Masashi Komeda (Department of Cardiovascular Surgery, Iseikai Hospital, Osaka)
- OE14-7 Prediction of Clinical Outcome in Chronic Heart Failure with Non-invasive and Simple Quantitative Measure of Respiratory Instability**  
Keitaro Domae (Department of Cardiovascular Surgery, Osaka University, Graduate School of Medicine, Suita)

## Oral Presentation (English) 15 (HF)

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March 23 (Fri) 9 : 20—10 : 20

Room 11 (RIHGA Royal Hotel Osaka, Tower Wing, 3F, Kourin 2)

### Molecular Biology/Genetics/Myocardium/Vascular, Calcium Handling

Chairpersons :

Shinichi Okuda (Division of Cardiology, Department of Medicine and Clinical Science, Yamaguchi University Graduate School of Medicine, Ube)

Ikuko Endoh (Department of Internal Medicine and Cardiology, Nippon Medical School Tama-Nagayama Hospital, Tokyo)

- OE15-1 Pivotal Roles of SOD1 in Metabolism and Vascular Dysfunction in Mice with Obese**  
Atsushi Sato (Department of Cardiovascular Medicine, National Defense Medical College, Tokorozawa)
- OE15-2 Ischemia and Reperfusion Injury Mouse Model: Role of Ageing Genes in Myocardium**  
Alexander Akhmedov (Center for Molecular Cardiology, University of Zurich, Switzerland)
- OE15-3 SoxF Class Transcription Factor Sox17 Identifies Endocardium Progenitor Cells and Regulates the Heart Development in Mice.**  
Kenta Yashiro (Department of Cardiac Regeneration and Therapeutics, Graduate School of Medicine, Osaka University, Suita)
- OE15-4 A Novel Nobiletin Binding Protein 1, NBP1, is Required to Exhibit Therapeutic Potency of Nobiletin for Heart Failure in Mice**  
Yoichi Sunagawa (Division of Molecular Medicine, School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka)

- OE15-5 Regional Muscle Stretch Increases Regional ROS and Arrhythmias in Rat Myocardium with Nonuniform Contraction**  
Taiki Hasegawa (Department of Clinical Physiology, Health Science, Tohoku University Graduate School of Medicine, Sendai)
- OE15-6 Spatiotemporally Non-uniform Dynamics of Intracellular Ca<sup>2+</sup> of the Heart with Special References to the Transverse Tubules**  
Taka-aki Matsuyama (Department of Pathology and Cell Regulation, Kyoto Prefectural University of Medicine, Kyoto)

### Oral Presentation (English) 16 (MD)

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March 23 (Fri) 8 : 00—9 : 10  
Room 12 (RIHGA Royal Hotel Osaka, Tower Wing, 3F, Kourin 3)

#### Metabolic Syndrome

Chairpersons :

Kohzo Nagata (Department of Pathophysiological Laboratory Sciences, Nagoya University Graduate School of Medicine, Nagoya)

Takayuki Shindo (Department of Cardiovascular Research, Shinshu University Graduate School of Medicine, Matsumoto)

- OE16-1 A Novel Angiogenic Adipokine, Neuregulin-4 is Critically Involved in Obesity and Systemic Metabolic Health by Regulating Adipose Tissue Angiogenesis**  
Dhite B. Nugroho (Department of Internal Medicine, Division of Cardiovascular Medicine, Graduate School of Medicine, Kobe University, Kobe/Department of Internal Medicine, Gadjah Mada University, Indonesia)
- OE16-2 Gobbling Your Food is the Risk Factor of Obesity and Metabolic Syndrome**  
Takayuki Yamaji (Department of Cardiology, Miyoshi Central Hospital, Miyoshi)
- OE16-3 Endothelial Senescence-Messaging Secretome Induces Premature Senescence in Adipocytes and Impairs Systemic Metabolic Homeostasis**  
Agian Jeffilano Barinda (Cardiovascular Medicine Division, Department of Internal Medicine, Kobe University School of Medicine, Kobe)
- OE16-4 Ectopic Fat Deposition with Organ Damages in Adipose Specific Extracellular Signal-Regulated Kinase 2 Deficient Mice with High Fat Diet**  
Ayumu Osaki (Department of Cardiology, National Defense Medical College, Tokorozawa)
- OE16-5 Differential Impact of Triglyceride to HDL-cholesterol Ratio on High Risk Coronary Artery Plaque in Patients with and without Diabetes Mellitus.**  
Yuji Koide (Department of Cardiology, Okayama University School of Medicine, Okayama)
- OE16-6 Coordinated Regulation of Inflammatory Response, Lipid Metabolism and Circadian Rhythm as a Novel Therapeutic Target of Metabolic Syndrome**  
Yumiko Oishi (Department of Cellular and Molecular Medicine, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)
- OE16-7 Heat-killed Lactobacillus Plantarum L-137 Attenuates Cardiac and Adipose Tissue Pathology via Enhanced Splenic Treg Cells in Rats with Metabolic Syndrome**  
Ayako Uchinaka (Department of Pathophysiological Laboratory Sciences, Nagoya University Graduate School of Medicine, Nagoya)

### Oral Presentation (English) 17 (MD)

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March 23 (Fri) 9 : 10—10 : 30  
Room 12 (RIHGA Royal Hotel Osaka, Tower Wing, 3F, Kourin 3)

#### Autonomic Nervous System, Stress-psychosomatic Medicine

Chairpersons :

Nobutaka Inoue (Division of Cardiovascular Medicine, Kobe Rosai Hospital, Kobe)

Kazuomi Kario (Division of Cardiovascular Medicine, Jichi Medical University, Shimotsuke)

- OE17-1 Catecholamine-induced Cellular Senescence in Endothelium and Bone Marrow Promotes Cardiac Inflammation and Remodeling in Mice**  
Goro Katsuumi (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)
- OE17-2 Stellate Ganglion Phototherapy as a Rescue Therapy for Refractory Ventricular Arrhythmias**  
Noriko Matsushita (Department of Cardiology, Kyorin University, Mitaka)
- OE17-3 Detection of Vagal Component in Baroreflex-mediated Dynamic Heart Rate Response in Anesthetized Rats**  
Toru Kawada (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)

- OE17-4 Sympathetic Nerve Remodeling in Intermediolateral Nuclei is Induced after Myocardial Infarction via Activation of BDNF-TrkB Axis**  
Minoru Nodera (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)
- OE17-5 Renal Sympathetic Nerve as a Therapeutic Target for Ventricular Arrhythmia; Electrical Nerve Stimulation and Radiofrequency Ablation in an Experimental Model**  
Masaomi Chinushi (School of Health Sciences Faculty of Medicine, Niigata University, Niigata)
- OE17-6 Repeated Psychosocial Stress Enhances the Development of High-fat Diet-induced Insulin Resistance by Augmenting Neutrophil Elastase Activity in Adipose Tissue**  
Shinichiro Motoyama (Department of Cardiovascular Medicine, Kyoto Prefectural University of Medicine, Kyoto)
- OE17-7 Brain White Matter Abnormalities Associated with Memory Impairment in Patients with Chronic Heart Failure**  
Hideaki Suzuki (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
- OE17-8 Impact of Triggering Stress in Outcome of Takotubo Syndrome: From Multi-Center Registry of Tokyo CCU Network**  
Yoichi Imori (Department of Cardiovascular Medicine, Tokyo CCU Network Scientific Committee, Tokyo/Department of Cardiovascular Medicine, Nippon Medical School Hospital, Tokyo)

## Oral Presentation (English) 18 (HF)

March 23 (Fri) 9 : 20 – 10 : 30

Room 14 (RIHGA Royal Hotel Osaka, Tower Wing, 2F, Katsura)

### Cardiomyopathy/Hypertrophy (Basic), Others

Chairpersons :

Shuichiro Higo (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

Yohko Yoshida (Department of Cardiovascular Biology and Medicine, Niigata University Graduate School of Medical and Dental Sciences, Niigata)

- OE18-1 Histone Methylation in Distressed Cardiomyocytes Predicts Clinical Outcome after Skeletal Myoblast Cell Sheet Transplantation in Non-ischemic Dilated Cardiomyopathy**  
Keitaro Domae (Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita)
- OE18-2 Glucose is Preferably Utilized for Biomass Synthesis Rather than ATP Production in Pressure-overloaded CD36 Deficient Heart**  
Yogi Umbarawan (Department of Cardiovascular Medicine Gunma University Graduate School of Medicine, Maebashi)
- OE18-3 Establishment and Characterization of Fabry Cardiomyopathy Model and Its Isogenic Control from the Female Patient with Fabry Cardiomyopathy**  
Yuki Kuramoto (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE18-4 Defects in Cardiomyocyte Proliferation Capacity in Mice with *Lmna* Mutation; A Possible Mechanism of Developing DCM**  
Kenji Onoue (First Department of Internal Medicine, Nara Medical University, Kashihara)
- OE18-5 Teneligliptin Attenuates AngiotensinII-induced Cardiac Hypertrophy by Inhibiting Nox4-HDAC 4 Axis**  
Kosuke Okabe (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kyushu University, Fukuoka)
- OE18-6 Emergency Rapid Response Doctor Car can Reduce Door-to-balloon Time in Patients with ST-elevated Myocardial Infarction.**  
Shunichi Kato (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)
- OE18-7 Delayed Enhancement Obtained by Non-contrast Computed Tomography Following Coronary Angiography is Strong Predictor of In-hospital Death after Extracorporeal Resuscitation**  
Tomomi Watanabe (Division of Cardiovascular Medicine, Department of Molecular Medicine and Therapeutics Faculty of Medicine, Tottori University, Yonago)

## Oral Presentation (English) 19 (MD)

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March 23 (Fri) 8 : 00—9 : 00

Room 15 (RIHGA Royal Hotel Osaka, Tower Wing, 2F, Botan)

### Preventive Medicine/Epidemiology/Education 1

Chairpersons :

Masanori Munakata (Research Center for Lifestyle-related Disease, Tohoku Rosai Hospital, Sendai)

Atsushi Izawa (Department of Health Sciences, Shinshu University School of Health Sciences, Matsumoto)

**OE19-1 Association between Low-Density Lipoprotein-Cholesterol/High-Density Lipoprotein-Cholesterol Ratio and Clinical Outcomes in Patients with Acute Coronary Syndrome and Dyslipidemia: Subanalysis of the HIJ-PROPER**

Masataka Ogiso (Department of Cardiology, Tokyo Metropolitan Tama Medical Center, Tokyo)

**OE19-2 Fundamental Differences in Conventional Risk Factors for Secondary Prevention in Patients with Acute Coronary Syndrome: A Post-hoc Analysis of HIJ-PROPER**

Haruki Sekiguchi (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

**OE19-3 Withdrawn**

**OE19-4 Underdiagnosis and Non-treatment of Heterozygous Familial Hypercholesterolemia in Association with Cardiovascular Disease**

Haruki Sekiguchi (Department of Cardiology, Tokyo Women's Medical University, Tokyo)

**OE19-5 Decreased Consumption of Soft Drinks can Improve Hyperuricemia in Japanese Junior High School Students**

Miiko Harada (Department of Cardiology, Nagano Prefectural Shinshu Medical Center, Suzaka)

**OE19-6 Myocardial Perfusion Abnormality with Low Body Mass Index could Have an Unfavorable Impact in the Prognosis of Hemodialysis Population.**

Norio Umemoto (Department of Cardiology, Ichinomiya Municipal Hospital, Ichinomiya)

## Oral Presentation (English) 20 (MD)

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March 23 (Fri) 9 : 00—10 : 10

Room 15 (RIHGA Royal Hotel Osaka, Tower Wing, 2F, Botan)

### Preventive Medicine/Epidemiology/Education 2

Chairpersons :

Kunihiko Matsui (Department of General and Community Medicine, Kumamoto University Hospital, Kumamoto)

Taku Iwami (Health Service, Kyoto University, Kyoto)

**OE20-1 Incidence and Predictors of National Care Insurance Requirement in Patients with Heart Failure**  
Shinya Fujiki (Department of Cardiovascular Biology and Medicine Niigata University Graduate School of Medical and Dental Sciences, Niigata)

**OE20-2 The Impact of Hospital Performance Factors on Early Outcomes in Patients Hospitalized for Heart Failure**

Hidetaka Kaku (Department of Cardiovascular Medicine, Kyushu University Graduate School of Medical Sciences, Fukuoka)

**OE20-3 Social Determinants are Crucial Factors in the Long-term Prognosis of Acute Heart Failure in Elderly Patients**

Masato Matsushita (Cardiovascular Center, Nippon Medical School Chiba Hokusoh Hospital, Inzai)

**OE20-4 Low ABI and Presence of Abdominal Arterial Aneurysm were Predictors of Cardiovascular Event in Patients without Cardiac and Renal Dysfunction**

Tatsuya Saigusa (Department of Cardiovascular Disease, Shinshu University Hospital, Matsumoto)

**OE20-5 Sleep Quality is Related to Paroxysmal Atrial Fibrillation; Tamagawa Cross-sectional Study on the Relationship between Life-style and Atrial Fibrillation (TAMAGAWA-AF)**

Haruhiko Ikegami (Internal Medicine and Cardiology, Ikegami Clinic, Tokyo)

**OE20-6 B-type Natriuretic Peptides Levels as a Predictor of Atrial Fibrillation in a General Urban Population: The Suita Study**

Yoshihiro Kokubo (Department of Preventive Cardiology, National Cerebral and Cardiovascular Center, Suita)

**OE20-7 Patient Knowledge of Atrial Fibrillation and Anticoagulant Therapy: TASK-AF Fushimi Pilot Program.**

Masaharu Akao (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)



## Oral Presentation (English) 21 (HF)

March 23 (Fri) 8:00–9:10  
Room 16 (RIHGA Royal Hotel Osaka, West Wing, 2F, Peridot)

### Heart Failure (Diagnosis/Pathophysiology)

Chairpersons :

Kazuo Komamura (Division of Medical Technology, Faculty of Nutrition, Kobe Gakuin University, Kobe)  
Tomoko Tomioka (Department of Cardiology, Southmiyagi Medical Center, Miyagi)

- OE21-1 The Characteristics of Younger HFpEF Patients Clearly Different from Those of Elderly Classical HFpEF Patients**  
Yoshihiro Seo (Department of Cardiology, University of Tsukuba, Tsukuba)
- OE21-2 Increased Liver Stiffness Assessed by Virtual Touch Quantification can Predict Prognosis in Patients with Decompensated Heart Failure**  
Kazunori Omote (Department of Cardiovascular Medicine, Faculty of Medicine and Graduate School of Medicine, Hokkaido University, Sapporo)
- OE21-3 The Impact of Intestinal Wall Thickness and Blood Flow Assessed by Ultrasonography in Patients with Hospitalized Acute Heart Failure**  
Naohiko Sone (Department of Cardiology, Shinko Hospital, Kobe)
- OE21-4 Impact of Myocardial Fibrosis on Left Ventricular Active Relaxation and Passive Stiffness Using Noninvasive Approaches**  
Taku Omori (Department of Cardiology and Nephrology, Mie University Hospital, Tsu)
- OE21-5 Myocardial Dysfunction Resembling Takotsubo Cardiomyopathy after Cardiac Arrest**  
Takao Yuba (Department of Cardiology, Tokyo Metropolitan Bokutoh Hospital, Tokyo)
- OE21-6 Super-elderly Patients with Heart Failure were Exposed to Serious Risk of Hospitalization by Dehydration and Social Frail in KICKOFF Registry**  
Kensuke Takabayashi (Department of Cardiology, Hirakata Kohsai Hospital, Hirakata)
- OE21-7 Cardiomyocyte-Restricted Low Density Lipoprotein Receptor-Related Protein 6 (LRP6) Deletion Leads to Lethal Dilated Cardiomyopathy Partly Through Drp1 Signaling**  
Hui Gong (Shanghai Institute of Cardiovascular Diseases, Zhongshan Hospital, China)

## Oral Presentation (English) 22 (A)

March 23 (Fri) 8:00–9:10  
Room 17 (RIHGA Royal Hotel Osaka, West Wing, 2F, Diamond)

### Atrial/Supraventricular Arrhythmia (Basic), Ventricular Arrhythmia (Basic/Clinical/Pathophysiology)

Chairpersons :

Naohiko Takahashi (Department of Cardiology and Clinical Examination, Oita University Faculty of Medicine, Yufu)  
Seiichiro Matsuo (Department of Cardiovascular Medicine, The Jikei University Katsushika Medical Center, Tokyo)

- OE22-1 Identification of TNFSF13, SPATC1L, SLC22A25 and SALL4 as Novel Susceptibility Loci for Atrial Fibrillation by an Exome-wide Association Study**  
Hideki Horibe (Department of Cardiovascular Medicine, Gifu Prefectural Tajimi Hospital, Tajimi)
- OE22-2 A de Novo Semapholin 3A Gene Polymorphism Associated with Atrial Fibrillation**  
Naoya Hironobe (Department of Cardiovascular Medicine, Hiroshima University Hospital, Hiroshima)
- OE22-3 IL-10 Plays an Important Role in the Pathogenesis of High-Fat-Diet-Induced Atrial Fibrillation**  
Yumi Ishii (Department of Cardiology and Clinical Examination, Faculty of Medicine, Oita University, Yufu)
- OE22-4 Upstream Eplerenone Treatment Prevents Atrial Structural Remodeling and Reduces AF Burden but Does not Prevent Persistent Atrial Fibrillation**  
Yoshio Takemoto (Department of Cardiovascular Medicine, Gifu Prefectural Tajimi Hospital, Tajimi)
- OE22-5 A Common SCN10A Variant may Contribute to Decrease SCN5A Expression by Promoting SCN5A Promoter Methylation in Brugada Syndrome Patients**  
Sho Okamura (Department of Cardiology, Hiroshima University Hospital, Hiroshima)
- OE22-6 Impact of the Bipolar Radiofrequency Ablation for the Treatment of Refractory Scar-Related Ventricular Tachycardia**  
Yoshinari Enomoto (Division of Cardiovascular Medicine, Toho University Ohashi Medical Center, Tokyo)
- OE22-7 Time-course of Lesion Maturation Created by Scanned Proton Beam Catheter-free Ablation in the Porcine Left Ventricle: MRI Validation Study**  
Atsushi Suzuki (Translational Interventional Electrophysiology Laboratory, Heart Rhythm Research, Mayo Clinic, USA)

## Oral Presentation (English) 23 (A)

March 23 (Fri) 9 : 10—10 : 40  
Room 17 (RIHGA Royal Hotel Osaka, West Wing, 2F, Diamond)

### Atrial/Supraventricular Arrhythmia (Clinical/Pathophysiology)

Chairpersons :

Atsushi Kobori (Division of Cardiology, Kobe City Medical Center General Hospital, Kobe)

Hideko Toyama (Heart Rhythm Center, Fukuoka Sanno Hospital, Fukuoka)

- OE23-1 Structural Change of Aortomitral Fibrous Continuity in Atrial Fibrillation**  
Osamu Igawa (Department of Internal Medicine and Cardiology, Tama-Nagayama Hospital, Nippon Medical School, Tama)
- OE23-2 Differences of Treatment and Prognosis by the Experience of Fall and/or Bone Fracture in Elderly Patients with Atrial Fibrillation.**  
Joh Akama (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE23-3 Gender Difference in the Impact of Asymptomatic Status on Clinical Outcomes in Patients with Atrial Fibrillation**  
Takuto Arita (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE23-4 Increase in Heart Rate during Exercise is Beneficial to Exercise Capacity in Patients with Atrial Fibrillation**  
Masayuki Nakagawa (Department of Cardiology, Kita-Harima Medical Center, Ono)
- OE23-5 Clinical Characteristics and Outcomes of Japanese Patients with Valvular versus Non-valvular Atrial Fibrillation: The Fushimi AF Registry**  
Kosuke Doi (Department of Cardiology, National Hospital Organization Kyoto Medical Center, Kyoto)
- OE23-6 Comparisons of In-procedural Parameters to Predict Successful Pulmonary Vein Isolation Using 2nd-generation Cryoballoon**  
Takatsugu Kajiyama (Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE23-7 Pressure-Guided Cryoballoon Isolation of the Pulmonary Veins Decrease the Risk of Silent Strokes in Perioperative Period**  
Kazuya Yamao (Division of Cardiology, Cardiovascular Center, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE23-8 Changes in Epicardial Adipose Tissue Volume and Incidences of Newly Developed Non-pulmonary Vein Foci after Pulmonary Vein Isolation Using Cryoballoon**  
Iwanari Kawamura (Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo)
- OE23-9 Does the Induction Test with Atrial Burst Pacing Have Predictive Value in Long-Term Recurrence after Ablation in Persistent Atrial Fibrillation?**  
Shunsuke Kawai (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)

## Oral Presentation (English) 24 (A)

March 23 (Fri) 10 : 40—12 : 00  
Room 17 (RIHGA Royal Hotel Osaka, West Wing, 2F, Diamond)

### Atrial/Supraventricular Arrhythmia (Clinical/Pathophysiology/Treatment)

Chairpersons :

Kazuo Kato (Department of Cardiology, Nagoya Tokushukai General Hospital, Kasugai)

Hiroshi Furusho (Department of Cardiology, Kanazawa University Hospital, Kanazawa)

- OE24-1 Long Term Outcomes of Cryoballoon vs. Radiofrequency Ablation for Paroxysmal Atrial Fibrillation. Propensity Score Matched Analysis.**  
Michifumi Tokuda (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- OE24-2 Catheter Ablation for Atrial Fibrillation in Patients with Persistent Left Superior Vena Cava**  
Kenichi Tokutake (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- OE24-3 Pathogenesis of Non-Pulmonary Vein Trigger of Atrial Fibrillation is Different between the Left and Right Atria**  
Shunsuke Kawai (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)
- OE24-4 Critical Role of Conduction Delay in the Pulmonary Vein in the Onset of Atrial Fibrillation -A Quantitative Analysis**  
Shunsuke Kawai (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)
- OE24-5 The Second Generation Cryoballoon Ablation is Safe and Useful for Atrial Fibrillation in Super-elderly Patients over 80 Years**  
Takashi Yoshizawa (Department of Cardiology, Kyoto University School of Medicine, Kyoto)

- OE24-6 Atypical Atrioventricular Nodal Reentrant Tachycardia Utilizing a Slow Pathway Connected to the Right Atrial Free Wall along the Tricuspid Annulus**  
Yoshiaki Kaneko (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)
- OE24-7 Predictive Value of Total Atrial Conduction Time Estimated with Tissue Doppler Imaging for Predicting Atrial Fibrillation Recurrence after Catheter Ablation**  
Koichiro Ejima (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE24-8 General Anesthesia (GA) Reduces Fluoroscopy and Procedure Times of Pulmonary Vein Isolation (PVI) Compared with Deep Sedation (DS)**  
Yuya Takahashi (EP Expert Doctors-Team Tsuchiya, Kumamoto)

## Oral Presentation (English) 25 (A)

March 23 (Fri) 8 : 00—9 : 10  
Room 18 (RIHGA Royal Hotel Osaka, West Wing, 2F, Kaede)

### Arrhythmia, Others (Basic), Ventricular Arrhythmia (Basic/Clinical/Pathophysiology)

Chairpersons :

Tomoko Ohkusa (Faculty of Health Sciences, Ube Frontier University, Ube)  
Naomasa Makita (Department of Molecular Physiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki)

- OE25-1 Propranolol Attenuates Late Sodium Current in Patient-specific Stem Cell Model of Long-QT Syndrome Type 3**  
Sayako Hirose (Department of Cardiovascular Medicine, Kyoto University, Kyoto)
- OE25-2 Development of Homozygous *LaminA/C* Deficient Human Induced Pluripotent Stem Cell Model for Analyzing the Pathophysiological Mechanism of *Lamin A/C*-related Cardiomyopathy**  
Yimin Wuriyanghai (Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Otsu)
- OE25-3 Cell-Specific Precise Mathematical Modeling of hiPSC-CMs Revealed Two Opposite APD Reaction in IKr Blocking Test**  
Hirohiko Kohjitani (Department of Cardiovascular Medicine, Kyoto University School of Medicine, Kyoto)
- OE25-4 Common Variant in PITX2 Decreased ANK2 Expression Level and Associated with Sinus Node Dysfunction**  
Shunsuke Tomomori (Department of Cardiovascular Medicine, Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima)
- OE25-5 Routine Use of Transesophageal Echocardiography before Catheter Ablation of Atrial Fibrillation is not Necessary**  
Masashi Sada (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)
- OE25-6 Development of a Phenotype-based and High-throughput Diagnostic Protocol for Long-QT Syndrome Using iPSC Model**  
Daisuke Yoshinaga (Department of Pediatrics, Kyoto University Graduate School of Medicine, Kyoto)
- OE25-7 Action Potential Analysis in iPSC-derived Single Cardiomyocytes and Cardiomyocyte Monolayers Generated from LQTS Type1 Patients Using Membrane Potential Dye**  
Tadashi Takaki (Department of Life Science Frontiers, Center for iPSC Cell Research and Application, Kyoto University, Kyoto)

## Oral Presentation (English) 26 (A)

March 23 (Fri) 9 : 10—10 : 40  
Room 18 (RIHGA Royal Hotel Osaka, West Wing, 2F, Kaede)

### Atrial/Supraventricular Arrhythmia (Clinical/Treatment) 1

Chairpersons :

Teiichi Yamane (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)  
Ryusuke Kimura (Cardiac Electrophysiology and Arrhythmia Service, Kanazawa Cardiovascular Hospital, Kanazawa)

- OE26-1 The Long-Term Clinical Outcomes of 2nd Generation Cryoballoon Ablation for Paroxysmal Atrial Fibrillation: A Report from Two High-Volume Centers**  
Takashi Yoshizawa (Department of Cardiology, Kyoto University School of Medicine, Kyoto)
- OE26-2 Catheter Ablation versus Medical Rate-control in Patients with Long-standing Atrial Fibrillation**  
Keiji Inoue (Department of Cardiology, Kyoto Second Red Cross Hospital, Kyoto)

- OE26-3 Current Status in Pharmacological Antiarrhythmic Treatment before and after Catheter Ablation for Atrial Fibrillation: J-CARAF Study 2011-2016**  
Yuji Murakawa (Fourth Department of Internal Medicine, Teikyo University School of Medicine, Mizonokuchi Hospital, Kawasaki)
- OE26-4 HotBalloon Catheter Ablation in Patients with Paroxysmal Atrial Fibrillation: 1-Year Follow-up**  
Kazuyuki Tanoue (Cardiovascular Medicine, National Hospital Organization Kagoshima Medical Center, Kagoshima)
- OE26-5 Efficacy of Catheter Ablation in Nonparoxysmal Atrial Fibrillation Ablation Patients with Severe Enlarged Left Atrium**  
Yoshiyuki Hama (Division of Cardiology, Kimitsu Chuo Hospital, Kisarazu)
- OE26-6 Prediction of Long-term Freedom from Atrial Fibrillation after Catheter Ablation: Validation of the CAAP-AF Score.**  
Koichi Furui (Department of Cardiology, Ogaki Municipal Hospital, Ogaki)
- OE26-7 Prevalence and Predictors of Left Ventricular Reverse Remodeling after Catheter Ablation for Atrial Fibrillation in Patients with Reduced Ejection Fraction**  
Masato Okada (Department of Cardiology, Sakurabashi-Watanabe Hospital, Osaka)
- OE26-8 Predictor of the Success of Chemical Ablation for Vein of Marshall in Terms of Treating Atrial Fibrillation.**  
Takatoshi Shigeta (Department of Cardiology, Japan Red Cross Yokohama City Bay Hospital, Yokohama)
- OE26-9 Indication of Cryoballoon Ablation for Persistent Atrial Fibrillation: A Single-center Retrospective Study**  
Yukihiro Inamura (Department of Cardiology, Japanese Red Cross Saitama Hospital, Saitama)

## Oral Presentation (English) 27 (A)

March 23 (Fri) 10 : 40 – 12 : 00

Room 18 (RHGA Royal Hotel Osaka, West Wing, 2F, Kaede)

### Arrhythmia, Others (Clinical/Pathophysiology)

Chairpersons :

Mizuho Miyauchi (Health Evaluation and Promotion Center, Department of Cardiovascular Medicine, Yotsuya Medical Cube, Tokyo)

Yoshiyasu Aizawa (Department of Cardiology, Keio University School of Medicine, Tokyo)

- OE27-1 Clinical and Electrophysiological Background of Atrial Inflammation Assessed by FDG-PET in Patients with Atrial Fibrillation Undergoing Radiofrequency Catheter Ablation**  
Yasushi Miyauchi (Division of Cardiology, Department of Medicine, Nippon Medical School Chiba-Hokusoh Hospital, Inzai)
- OE27-2 Effect of Fibrillatory Wave Amplitude on Coronary Blood Flow Assessed by TIMI Frame Count in Patients with Atrial Fibrillation**  
Yoji Sumimoto (Hiroshima University Institute of Biomedical & Health Sciences, Department of Cardiovascular Medicine, Hiroshima)
- OE27-3 P-wave Duration and Total Left Atrial Conduction Time Reflect the Presence of Large Area of Left Atrial Low-voltage Zone**  
Rintaro Hojo (Department of Cardiology, Tokyo Metropolitan Hiroo Hospital, Tokyo)
- OE27-4 Possible Mechanism of Selective and Non-selective His Bundle Pacing from the View Point of Anatomy**  
Osamu Igawa (Department of Internal Medicine and Cardiology, Tama-Nagayama Hospital, Nippon Medical School, Tama)
- OE27-5 Clinical Impact of Rhythm Control with Catheter Ablation in Patients with Heart Failure and Atrial Fibrillation**  
Shunsuke Kuroda (Department of Cardiology, Kameda Medical Center, Kamogawa)
- OE27-6 Functional Analysis of Mutant Nav1.5 Channels Clarified Severe Phenotype of a Female Patient with Compound SCN5A Mutations**  
Daisuke Fukumoto (Department of Cardiovascular and Respiratory Medicine, Shiga University of Medical Science, Otsu)
- OE27-7 Implications of Positive Late Gadolinium Enhancement Cardiac MRI and Ventricular Arrhythmia in Patients with Normal Cardiac Function during Long-Term Follow-up**  
Shingo Maeda (Department of Cardiology, Tokyo Medical and Dental University, Tokyo)
- OE27-8 Cardiac Connexin Syndrome: A New Inherited Cardiac Conduction Disease Entity with Distinct Electrophysiological and Extracardiac Manifestations**  
Taisuke Ishikawa (Department of Molecular Physiology, Nagasaki University, Nagasaki)

## 一般演題口述（日本語）1 (IM)

3月23日(金) 10:40-12:00  
第5会場（大阪国際会議場 11階 1101+1102）

### Nuclear Cardiology (Coronary/Myocardium/Others), Intravascular Imagings

座長:

中智 智明 (函館五稜郭病院 循環器内科)  
松本 直也 (日本大学 内科学系循環器内科学分野)

- OJ01-1 Relationship between Tissue Characteristics and Mechanical Properties of Coronary Plaques - Comparison with Integrated Backscatter Intravascular Ultrasound (IVUS) and Speckle-tracking IVUS-**  
田中 新一郎 (岐阜大学 第二内科)
- OJ01-2 Comparison of Optical Coherence Tomography Measurements with 3-Dimensional Quantitative Coronary Angiography-Derived Computed Fractional Flow Reserve**  
岡本 公志 (川崎医科大学 循環器内科学)
- OJ01-3 Risk Stratification of Cardiovascular Events in Very Elderly Patients with Coronary Artery Disease Using SPECT Myocardial Perfusion Imaging**  
峯木 隆志 (日本大学 循環器内科)
- OJ01-4 High Prevalence of Cardiac Transthyretin Amyloidosis in Patients with Heart Failure Screened by 99mTc-pyrophosphate Scintigraphy**  
筒井 好知 (済生会福岡総合病院 循環器内科)
- OJ01-5 Right Ventricular Apical Pacing Cause Left Ventricular Dyssynchrony and Aggravate Left Ventricular Systolic Function and Diastolic Function**  
中川 正康 (市立秋田総合病院 循環器内科)
- OJ01-6 Myocardial Technetium-99m Sestamibi Washout Rate Predicts Myocardial Viability in Dilated Cardiomyopathy Patients**  
千村 美里 (大阪大学 循環器内科学)
- OJ01-7 Effects of Nicorandil on Sympathetic Nerve Activity and Incidence of Cardiac Death Events in Patients with ST-Segment Elevation Myocardial Infarction**  
高橋 伸弥 (高崎総合医療センター 循環器内科)
- OJ01-8 Effects of Adding Eplerenone to Standard Therapy on Sympathetic Nerve Activity and Myocardial Collagen Metabolism in Chronic Heart Failure Patients**  
笠間 周 (群馬大学 循環器内科)

## 一般演題口述（日本語）2 (O)

3月23日(金) 8:00-9:10  
第6会場（大阪国際会議場 12階 特別会議場）

### Cardio-Oncology

座長:

中川 晋 (東京都済生会中央病院 循環器内科)  
金井 恵理 (天理医療大学 医療教育・研究センター)

- OJ02-1 Long-term Outcomes in Patients with Cancer Undergoing Percutaneous Coronary Intervention: Analysis from the Keio Interhospital Cardiovascular Studies (KiCS) Registry**  
遠藤 彩佳 (東京都済生会中央病院 循環器科)
- OJ02-2 99mTc-Duramycin Imaging Detects Doxorubicin Cardiotoxicity before Onset of Ventricular Dysfunction**  
中原 健裕 (Division of Cardiology, Icahn School of Medicine at Mount Sinai, USA/Molecular Imaging and Therapy Section, Memorial Sloan Kettering Cancer Center, USA/Department of Diagnostic Radiology, Keio University School of Medicine, Tokyo)
- OJ02-3 Prevalence of Cardiovascular Disease in 2015 in Niigata Cancer Center Registry and Future Projections until 2030 for Each Cancer Site**  
大倉 裕二 (新潟県立がんセンター新潟病院 循環器内科)
- OJ02-4 Usefulness of Cardiac MRI in the Management of Cancer Patients Treated with Anthracyclines -Progress in Cardio-oncology-**  
照井 洋輔 (東北大学 循環器内科)
- OJ02-5 Differences of Anticoagulant Therapy before and after Cancer Treatment in Cancer Patients with Atrial Fibrillation**  
庄司 正昭 (国立がん研究センター中央病院 総合内科・がん救急科)

- OJ02-6 Oxidative Stress-Responsive Apoptosis Inducing Protein (ORAIP) Mediates Cancer Cachexia-Induced Cardiac Injury**  
世古 義規 (順天堂大学 乳酸菌生体機能研究講座)
- OJ02-7 The Result of Screening System of Cardiovascular Disorders Associated with Anti-cancer Therapy by Immune Checkpoint Inhibitors in Single Cardio-oncology Center**  
古川 明日香 (国際医療福祉大学三田病院 肺高血圧症センター)

### 一般演題口述 (日本語) 3 (HF)

3月23日(金) 10:40-12:00  
第7会場 (大阪国際会議場 12階 1202)

**Heart Failure (Laboratory/Biomarkers), Cost-health Care System/DPC/Laws**

座長:

川上 利香 (奈良県立医科大学 第一内科)  
義久 精臣 (福島県立医科大学 循環器内科学講座)

- OJ03-1 Circulating Ketone Body as a Novel Biomarker for Worse Clinical Outcomes in Hemodialysis Patients**  
須永 浩章 (群馬大学 循環器内科学)
- OJ03-2 Development of a Conversion Formula between B-type Natriuretic Peptide and N-terminal Pro BNP Levels**  
笠原 信太郎 (東北大学 循環器内科学)
- OJ03-3 Low VEGF-C was Independently Associated with All-cause and Cardiovascular Death among Patients with Chronic Heart Failure**  
井口 守丈 (京都医療センター 循環器内科)
- OJ03-4 Nutritional Indexes can Predict Short-term Mortality in Hospitalized Heart Failure Patients.**  
鈴木 健一郎 (東京慈恵会医科大学柏病院 循環器内科)
- OJ03-5 Associations between Plasma Zinc and Mortality in Heart Failure Patients**  
阿部 諭史 (福島県立医科大学 循環器内科学講座)
- OJ03-6 Combination of Presepsin, Soluble CD14 Subtype, and B-Type Natriuretic Peptide Predicts Six-Month Mortality in Patients Hospitalized for Worsening Heart Failure**  
橋本 踏青 (大同病院 循環器内科)
- OJ03-7 Low Activity of Daily Living (ADL) is Associated with Increased Mortality of Cardiovascular Diseases in Japan -Analysis from JROAD-DPC-**  
郷原 正臣 (済生会横浜市南部病院 循環器内科)
- OJ03-8 Urinary Liver-Type Fatty-Acid Binding Protein and Serum N-Terminal Pro-B-Type Natriuretic Peptide Predict Acute Kidney Injury in Patients Hospitalized to CCUs**  
成瀬 寛之 (藤田保健衛生大学 臨床検査科)

### 一般演題口述 (日本語) 4 (HF)

3月23日(金) 10:30-12:00  
第11会場 (リーガロイヤルホテル大阪 タワーウイング 3階 光琳2)

**Valvular Disease**

座長:

種本 和雄 (川崎医科大学 心臓血管外科学)  
南方 謙二 (Division of Cardiovascular Surgery, Temple University Lewis Katz School of Medicine, Philadelphia, USA)

- OJ04-1 The Benefit of Early Surgery for Mitral Insufficiency**  
清水 篤 (榊原記念病院 心臓外科)
- OJ04-2 Minimally Invasive Cardiac Surgery for Mitral Valve -Preoperative Prediction of Difficulties**  
小林 健介 (北里大学 心臓血管外科)
- OJ04-3 Role of RAGE in Aortic Valve Stenosis**  
朔 浩介 (久留米大学 外科学講座)
- OJ04-4 Late Gadolinium Enhancement Predicts Improvement of Systolic Function after Aortic Valve Replacement in Patients with Severe Aortic Stenosis**  
藤宮 剛 (福島県立医科大学 心臓血管外科)
- OJ04-5 Data Extraction Protocol of SAVR and TAVI for AS in DPC Data**  
柚木 純二 (佐賀大学 胸部外科)

- OJ04-6 Early and Midterm Outcomes of Transcatheter Aortic Valve Implantation in High Risk Octogenarians -Comparison with Surgical AVR**  
大野原 岳史 (鳥取大学 心臓血管外科)
- OJ04-7 Morphometrical and Biomechanical Analyses of Stentless Bioprosthetic Valve: An Implication to Avoid Potential Primary Tissue Failure**  
鷹谷 紘樹 (東北大学 心臓血管外科)
- OJ04-8 Surgical Outcomes of Infective Endocarditis with Aortic Root Abscess**  
井上 武 (神戸大学 心臓血管外科学)
- OJ04-9 Timing of Surgery of Infectious Endocarditis Complicated with Disseminated Infective Endocarditis**  
横山 淳也 (大阪大学 心臓血管外科学)

## 一般演題口述 (日本語) 5 (HF)

3月23日(金) 8:00-9:20

第14会場 (リーガロイヤルホテル大阪 タワーウイング 2階 桂)

### Heart Failure, Others

座長:

長谷川 洋 (ANA成田グループ 健康管理室)

高見澤 格 (榊原記念病院 循環器内科)

- OJ05-1 Sex-Related Differences in Indices Regarding Diastolic Function during Admission in Patients with Heart Failure with Preserved Ejection Fraction -PURSUIT HFpEF Study-**  
南坂 朋子 (八尾市立病院 循環器内科)
- OJ05-2 High Signal Intensity on T2-weighted Cardiovascular Magnetic Resonance Image Predicts Life Threatening Arrhythmic Events in Patients with Hypertrophic Cardiomyopathy.**  
高良 綾子 (榊原記念クリニック 循環器内科)
- OJ05-3 Diagnostic Sensitivity of Tissue Biopsy in ATTR Cardiac Amyloidosis Diagnosed by Non-invasive Diagnostic Criteria**  
高潮 征爾 (熊本大学 循環器病態学)
- OJ05-4 Clinical Characteristics of ST-elevation and Non-ST-elevation Types in Patients with Takotsubo Syndrome -A Multicenter Registry in Eight-University Hospitals in East-Japan**  
芳沢 美知子 (岩手医科大学 循環器内科学)
- OJ05-5 Cardiac Protective Effects of LCZ696 (Sacubitril/Valsartan) in Stroke-prone Spontaneously Hypertensive Rats**  
武田 仁裕 (金沢大学 循環器病態内科学)
- OJ05-6 The Function of CIC-2 Chloride Channel on iPS Cell-derived Cardiomyocytes**  
秋田 舜 (福島県立医科大学 循環器内科学講座)
- OJ05-7 Impact of Patient-specific Induced Pluripotent Stem Cells as A Model for Dilated Cardiomyopathy**  
松長 由里子 (大阪大学 心臓血管外科)
- OJ05-8 Systemic High-mobility Group Box 1 Administration might Suppress Adverse Post-infarction Remodeling by Mobilizing Mesenchymal Stem Cells from Bone Marrow**  
後藤 隆純 (大阪大学 心臓血管外科学)

## 一般演題口述 (日本語) 6 (MD)

3月23日(金) 10:20-11:10

第15会場 (リーガロイヤルホテル大阪 タワーウイング 2階 牡丹)

### Preventive Medicine/Epidemiology/Education

座長:

中西 道郎 (国立循環器病研究センター 心臓血管内科)

谷山 真規子 (岡山大学 循環器内科、岡山県南東部 (玉野) 総合診療医学講座)

- OJ06-1 Prevalence of Atrial Fibrillation after the Year of the East Japan Earthquake Tentatively Increased Only in the Elderly Individuals**  
田巻 健治 (岩手県予防医学協会 循環器科)
- OJ06-2 Residual Risks after Appropriate Low-Density Lipoprotein Cholesterol Lowering Therapy in Secondary Prevention of Ischemic Heart Disease**  
遠藤 昭博 (島根大学 循環器内科)

March  
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- OJ06-3 Prognostic Value of Electrocardiographic Left Ventricular Hypertrophy on Cardiovascular Risk in a Non-hypertensive Community-based Population**  
田中 健太郎 (岩手医科大学 循環器・腎・内分泌内科)
- OJ06-4 Recent Trends in the Incidence and Short-term Outcomes of Hospitalized Patients with Acute Myocardial Infarction in Tokyo**  
山本 剛 (東京都CCU連絡協議会)
- OJ06-5 Mitigating Effect of the House with Thermal Insulating Windows on the Mortality of Acute Myocardial Infarction**  
鈴木 昌 (東京歯科大学 救急科)

## 一般演題口述 (日本語) 7 (MD)

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3月23日(金) 11:10-12:00

第15会場 (リーガロイヤルホテル大阪 タワーウイング 2階 牡丹)

### Obesity/SAS, Metabolic Syndrome

座長:

足達 寿 (久留米大学 地域医療連携講座)

高田 佳史 (東京医科大学 循環器内科)

- OJ07-1 A Cross-sectional Analysis of Dietary Intake in Relation to Household Expenditures and BMI in a General Population: NIPPON DATA 2010**  
菅原 悠 (滋賀医科大学 社会医学講座 公衆衛生学部門)
- OJ07-2 Obesity and Aging Induce Adipose Inflammation through a Biased Adipocyte Differentiation**  
幸 龍三郎 (千葉大学 長寿医学)
- OJ07-3 Impact of Severe Obstructive Sleep Apnea on Left Ventricular Myocardial Function Using Speckle Tracking Analysis**  
神田 貴弘 (浜松赤十字病院 循環器科)
- OJ07-4 Importance of Epicardial Adipose Tissue on Reverse Atrial Remodeling after Atrial Fibrillation Ablation.**  
門野 越 (日本大学 循環器内科)
- OJ07-5 Obesity-induced Whitening of Brown Adipose Tissue Exacerbates Myocardial Pathology in Salt-loaded Rats with Metabolic Syndrome**  
小松 優希 (名古屋大学 病態解析学講座)



## Young Investigator's Award Finalists Lectures (Basic Research)

### Young Investigator's Award Basic Research 部門審査講演

March 23 (Fri) 8:00-10:00

Room 4 (Osaka International Convention Center, 8F, 801+802)

Chairperson:

Issei Komuro (Department of Cardiovascular Medicine, The University of Tokyo, Tokyo)

- 1. Discovery of a Small Molecule to Increase Cardiomyocytes and Protect the Heart after Ischemic Injury**  
Hironori Hara (Department of Cardiovascular Medicine, the University of Tokyo Hospital, Tokyo)
- 2. A Novel Long Intergenic Noncoding RNA, *Lionheart*, Underlies Heart Development and Guards the Heart from Pressure Overload**  
Yasuhide Kuwabara (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- 3. Semaphorin3E-PlexinD1-mediated Coordination of Blood and Lymphatic Vessels Development in the Heart, with Implications for Coronary Artery Diseases**  
Kazuaki Maruyama (Department of Physiological Chemistry and Metabolism, Graduate School of Medicine, University of Tokyo, Tokyo)
- 4. Sirt1 Counteracts Cardiac Lipotoxicity via Improving Membrane Fatty Acid Composition and Resulting ER Stress-Like Response**  
Tsunehisa Yamamoto (Department of Cardiology, Keio University School of Medicine, Tokyo)

## Young Investigator's Award for International Students Finalists Lectures

### 国際留学生 YIA 審査講演

March 23 (Fri) 10:00-12:00

Room 4 (Osaka International Convention Center, 8F, 801+802)

Chairperson:

Koichi Node (Department of Cardiovascular Medicine, Saga University, Saga)

- 1. Family with Sequence Similarity 13, Member a (Fam13a) Preserves Metabolic Health by Regulating Adipocyte Insulin Signaling**  
Donytra A. Wardhana (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)
- 2. Small-Vessel Vasculopathy Due to Aberrant Autophagy in LAMP-2 Deficiency**  
Huan Thanh Nguyen (Second Department of Internal Medicine, Kansai Medical University, Hirakata)
- 3. Chronic Psychological Stress Accelerates Vascular Senescence and Impairs Ischemia-induced Neovascularization: The Role of Dipeptidyl Peptidase-4/Glucagon-like Peptide-1-adiponectin Axis**  
Limei Piao (The Department of Community Health & Geriatrics, Nagoya University Graduate School of Medicine, Nagoya)
- 4. Divergent Molecular Mechanisms of Cardiac Sodium Channelopathies Exhibiting Brugada Syndrome with Multiple Electrophysiological Phenotypes**  
Tommy Dharmawan (Department of Cardiovascular Medicine, Gunma University Graduate School of Medicine, Maebashi)

## 日本循環器学会 委員会セッション (循環器救急医療・災害対策委員会)

3月23日(金) 10:30-12:00

第12会場 (リーガロイヤルホテル大阪 タワーウイング 3階 光琳3)

日本循環器学会蘇生科学シンポジウム

AHA ECC-JCS ジョイントセッション

座長:

下川 宏明 (東北大学 循環器内科学)

- 1. Special Lecture: JCS-ITC 10 Year Anniversary Session**  
Mary Fran Hazinski (Vanderbilt University Surgical Critical Care, Nashville, USA)
- 日本の循環器救急の实情: 日本循環器学会指定循環器専門医研修施設 621 件からのアンケート調査結果報告  
田原 良雄 (国立循環器病研究センター 心臓血管内科)
- 3. Public Education による新しい心筋梗塞予防法~STOP MI キャンペーン~**  
上田 恭敬 (大阪医療センター 循環器内科)

March  
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## 日本循環器学会 委員会セッション (ガイドライン委員会)

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3月23日(金) 9:50-10:50

第16会場 (リーガロイヤルホテル大阪 ウェストウイング 2階 ペリドット)

ガイドラインに学ぶ1

2016-2017年度活動ガイドライン作成班報告

座長:

木村 剛 (京都大学 循環器内科)

1. 肺血栓栓症および深部静脈血栓症の診断、治療、予防に関するガイドライン (2017年改訂版)

伊藤 正明 (三重大学 循環器・腎臓内科学)

2. 肺高血圧症治療ガイドライン (2017年改訂版)

福田 恵一 (慶應義塾大学 循環器内科)

## 日本循環器学会 委員会セッション (ガイドライン委員会)

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3月23日(金) 11:00-12:00

第16会場 (リーガロイヤルホテル大阪 ウェストウイング 2階 ペリドット)

ガイドラインに学ぶ2

2015-2016年度活動ガイドライン作成班報告

座長:

先崎 秀明 (埼玉医科大学総合医療センター 小児科循環器科)

1. 成人先天性心疾患診療ガイドライン (2017年改訂版)

市田 落子 (富山大学 小児科)

2. 血管炎症候群の診療ガイドライン (2017年改訂版)

磯部 光章 (榊原記念病院)

## チーム医療セッション 教育講演 1 (IM)

3月23日(金) 8:00-9:30

第21会場(堂島リバーフォーラム 1階 ホール)

ICRP Publication 120: 心臓病学における放射線防護

座長:

山科 章(東京医科大学医学教育推進センター/東京医科大学健診予防医学センター)

坂本 肇(山梨大学医学部附属病院 放射線部)

1. 心臓インターベンションにおける従事者被ばくの現状と低減方法  
坂本 肇(山梨大学医学部附属病院 放射線部)
2. 心臓インターベンションにおける患者皮膚障害回避のための患者線量モニタリングと工夫  
加藤 守(秋田県立脳血管研究センター 放射線科診療部)
3. 心臓CTにおける検査の現状と将来性—被ばくを考慮して—  
小山 靖史(桜橋渡辺病院 心臓血管センター 画像診断科)
4. 冠動脈CTにおける患者被曝と低減方法  
山口 隆義(華岡青洲記念心臓血管クリニック 診療技術部)
5. 日本における心臓核医学検査とその被ばくの特徴  
工藤 崇(長崎大学 原爆後障害医療研究所 アイソトープ診断治療学研究分野)

## チーム医療セッション 教育講演 2 (MD)

3月23日(金) 10:30-12:00

第21会場(堂島リバーフォーラム 1階 ホール)

心臓病の治療・予防としての禁煙～循環器医療チームとして禁煙にどう取り組むべきか～

座長:

飯田 真美(岐阜県総合医療センター)

吉田 俊子(宮城大学 看護学部)

1. 動脈硬化性疾患、不整脈、心不全と禁煙  
海老名 俊明(横浜市立大学附属市民総合医療センター 臨床検査科)
2. 一般社団法人日本循環器学会の禁煙推進活動について  
瀬尾 由広(筑波大学 循環器内科)
3. 心臓病の治療・予防としての禁煙 ～循環器医療チームとして禁煙にどう取り組むべきか～ 2) 知っておきたい禁煙治療の基礎  
早川 由香(岐阜大学 再生医学科学循環・呼吸病態学)
4. 喫煙者をその気にさせる禁煙アプローチ  
谷口 千枝(桐山女学園大学 看護学部)

## チーム医療セッション シンポジウム 1 (O)

3月23日(金) 10:30-12:00

第13会場(リーガロイヤルホテル大阪 タワーウイング 2階 桐)

日本循環器看護学会—日本循環器学会ジョイントシンポジウム  
チームで取り組む循環器医療における Advance Care Planning

座長:

山本 一博(鳥取大学 病態情報内科学)

山部 さおり(三菱京都病院 看護部)

1. 循環器領域における緩和ケア、ACPの至適開始時期の検討  
加藤 雅史(三菱京都病院 心臓内科)
2. 患者・家族の意向を退院前カンファレンスで共有することの重要性  
田中 奈緒子(兵庫県立姫路循環器病センター 地域医療連携課 看護部)
3. 心不全患者教育に織り混ぜる Advance Care Planning～“いつのまにか緩和ケア”の実践～  
南嶋 裕美子(久留米大学 看護部)
4. チーム編成から挑む高齢者心不全の ACP  
堀部 秀夫(ゆみのハートクリニック)
5. 当院における植込型補助人工心臓装着患者への Advanced Care Planning の取り組み  
中島 桃花(大阪大学 看護部)

## Luncheon Seminar 1

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3月23日(金) 12:20-13:10

第1会場 (大阪国際会議場 5階 大ホール)

最新テクノロジーを用いた心室頻拍のアブレーション治療  
: EnSite Precision™とMediGuide™

座長:

吉田 幸彦 (名古屋第二赤十字病院 循環器内科)

副島 京子 (杏林大学 循環器内科)

共催: アボット (セント・ジュード・メディカル株式会社)

## Luncheon Seminar 2

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3月23日(金) 12:20-13:10

第3会場 (大阪国際会議場 7階 701+702)

脳心血管病克服の取り組み

座長:

斎藤 能彦 (奈良県立医科大学 循環器内科学)

糖尿病患者の個別医療—メタボ対策からフレイル対策

綿田 裕孝 (順天堂大学 代謝内科学)

共催: 田辺三菱製薬株式会社

## Luncheon Seminar 3

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3月23日(金) 12:20-13:10

第4会場 (大阪国際会議場 8階 801+802)

心房細動アブレーション治療の医療連携を考える

座長:

岡崎 修 (国立国際医療研究センター病院 循環器内科)

高月 誠司 (慶應義塾大学 循環器内科)

共催: 日本メドトロニック株式会社

## Luncheon Seminar 4

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3月23日(金) 12:20-13:10

第5会場 (大阪国際会議場 11階 1101+1102)

大規模臨床試験を踏まえた日本人2型糖尿病の治療戦略  
~DPP4阻害薬を治療にどう位置づけるか?~

座長:

阿古 潤哉 (北里大学 循環器内科学)

小田原 雅人 (東京医科大学 糖尿病・代謝・リウマチ・膠原病内科学分野)

共催: 日本ベーリンガーインゲルハイム株式会社/日本イーライリリー株式会社

## Luncheon Seminar 5

3月23日(金) 12:20-13:10  
第6会場 (大阪国際会議場 12階 特別会議場)

### MCS Therapy: A True Partnership Between Cardiologists and Surgeons

座長:

絹川 弘一郎 (富山大学医学薬学研究所(医学) 内科学(第二)講座)

1. Nir Uriel (Heart Failure, Transplant, and Mechanical Circulatory Support, The University of Chicago Medicine, USA)
2. Yoshifumi Naka (Cardiac Transplantation, and Mechanical Circulatory Support Program, Columbia University/New York Presbyterian Hospital, USA)

共催: アボット (セント・ジュード・メディカル株式会社) / ニプロ株式会社

## Luncheon Seminar 6

3月23日(金) 12:20-13:10  
第7会場 (大阪国際会議場 12階 1202)

ここまでわかってきたファブリー病

座長:

安斉 俊久 (北海道大学 循環病態内科学)

1. 日本人ファブリー病患者の心病変と長期酵素補充療法の効果  
本郷 賢一 (東京慈恵会医科大学 循環器内科)
2. ファブリー病における血管障害  
藤井 秀毅 (神戸大学 腎臓内科、腎・血液浄化センター)

共催: 大日本住友製薬株式会社

## Luncheon Seminar 7

3月23日(金) 12:20-13:10  
第8会場 (大阪国際会議場 12階 グラントック)

高齢者糖尿病の薬物治療と包括的管理

座長:

北風 政史 (国立循環器病研究センター 研究開発基盤センター 臨床研究部)

横手 幸太郎 (千葉大学 細胞治療内科学講座)

共催: 武田薬品工業株式会社

## Luncheon Seminar 8

3月23日(金) 12:20-13:10  
第9会場 (リーガロイヤルホテル大阪 タワーウイング 3階 ロイヤルホール)

### IMPELLA -Hemodynamic Support and Beyond

座長:

小野 稔 (東京大学 心臓外科)

代田 浩之 (順天堂大学 循環器内科学)

1. 大阪大学における IMPELLA の経験  
戸田 宏一 (大阪大学 心臓血管外科)
2. 急性心原性ショック例における経皮的心室補助器の適応と効果  
—実際の臨床症例経験からの知見及び見解—  
中村 守男 (Cedars-Sinai Medical Center, Los Angeles, CA, USA)

共催: 日本アビオメッド株式会社

## Luncheon Seminar 9

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3月23日(金) 12:20-13:10

第10会場(リーガロイヤルホテル大阪 タワーウイング 3階 光琳1)

**VAD's Dr. Robert Jarvik's perspective**

座長:

澤 芳樹(大阪大学 心臓血管外科)

Robert Jarvik (Jarvik Heart, Inc., USA)

共催: センチュリーメディカル株式会社

## Luncheon Seminar 10

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3月23日(金) 12:20-13:10

第11会場(リーガロイヤルホテル大阪 タワーウイング 3階 光琳2)

組織修復マクロファージ: 心筋梗塞治療への応用

座長:

宮川 繁(大阪大学 心臓血管外科 共同研究講座)

鈴木 憲(Translational Cardiovascular Therapeutics William Harvey Research Institute Barts and The London School of Medicine and Dentistry Queen Mary University of London, UK)

共催: テルモ株式会社

## Luncheon Seminar 11

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3月23日(金) 12:20-13:10

第12会場(リーガロイヤルホテル大阪 タワーウイング 3階 光琳3)

進化し続ける抗凝固療法 ~XAPASSとJACREから学ぶこと~

座長:

平尾 見三(東京医科歯科大学 心臓調律制御学)

井上 耕一(桜橋渡辺病院 心臓血管センター 循環器内科)

共催: バイエル薬品株式会社

## Luncheon Seminar 12

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3月23日(金) 12:20-13:10

第13会場(リーガロイヤルホテル大阪 タワーウイング 2階 桐)

冠動脈疾患の **residual risk** を考える

座長:

吉村 道博(東京慈恵会医科大学 循環器内科)

安田 聡(国立循環器病研究センター 心臓血管内科部門)

共催: 興和創薬株式会社

## Luncheon Seminar 13

3月23日(金) 12:20-13:10

第14会場(リーガロイヤルホテル大阪 タワーウイング 2階 桂)

心アミロイドシスの診断と心アミロイドシスに潜む TTR-FAP

座長:

室原 豊明(名古屋大学 循環器内科学)

1. 日常診療に潜む心臓アミロイドシス~どう対峙するのか  
猪又 孝元(北里大学北里研究所病院 循環器内科)
2. 家族性アミロイドポリニューロパチーの診断と治療  
小池 春樹(名古屋大学 神経内科)

共催: ファイザー株式会社

## Luncheon Seminar 14

3月23日(金) 12:20-13:10

第15会場(リーガロイヤルホテル大阪 タワーウイング 2階 牡丹)

ダブルカフチップレスカニューレと EVAHEART2 が拓く VAD の可能性  
~カニューレの左室内位置異常とポンプポケット感染症例に対する代替策~

座長:

山崎 健二(北海道循環器病院先端医療センター)

1. Inflow Design Impact Mitigating Post-LVAD Stroke  
本村 禎(Evaheart, Inc., Houston, Texas)
2. Technical consideration to avoid inflow cannula malposition  
Masahiro Ono (Texas Heart Institute/St. Luke's Hospital, Transplant and MCS, Baylor College of Medicine)

共催: 株式会社サンメディカル技術研究所

## Luncheon Seminar 15

3月23日(金) 12:20-13:10

第16会場(リーガロイヤルホテル大阪 ウエストウイング 2階 ペリドット)

Anticoagulation for Stroke Prevention in AF: Reducing the Burden of Bleeding

座長:

味岡 正純(公立陶生病院 循環器内科)

John Eikelboom (McMaster University, Canada)

共催: ブリストル・マイヤーズ スクイブ株式会社/ファイザー株式会社

## Luncheon Seminar 16

3月23日(金) 12:20-13:10

第17会場(リーガロイヤルホテル大阪 ウエストウイング 2階 ダイヤモンド)

心不全予防を考慮した糖尿病治療戦略  
~SGLT2 阻害薬使用の tips and tricks~

座長:

平山 篤志(日本大学 内科学系循環器内科学分野)

三木 隆幸(札幌医科大学 循環器・腎臓・代謝内分泌内科学講座)

共催: 小野薬品工業株式会社/アストラゼネカ株式会社

## Luncheon Seminar 17

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3月23日(金) 12:20-13:10

第18会場 (リーガロイヤルホテル大阪 ウエストウイング 2階 楓)

循環器医が考える SGLT2 阻害剤の可能性

座長:

山岸 昌一 (久留米大学 糖尿病性血管合併症病態・治療学)

高島 浩明 (愛知医科大学 循環器内科)

共催: サノフィ株式会社

## Luncheon Seminar 18

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3月23日(金) 12:20-13:10

第21会場 (堂島リバーフォーラム 1階 ホール)

How to use imaging for high risk patient

座長:

小室 一成 (東京大学 循環器内科学)

1. PCSK-9 阻害剤効果判定における血管内イメージングの臨床的有用性

横井 宏佳 (福岡山王病院 循環器センター/国際医療福祉大学)

2. 糖尿病合併三次予防患者における画像診断と脂質治療の最前線

平井 愛山 (日本慢性疾患重症化予防学会 (JMAP)/千葉県循環器病センター 総合診療内科)

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