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**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 30 (Sat) 14:55-15:40

2F, National Hall

Chairperson:

Masatsugu Hori (Osaka International Cancer Institute, Osaka)

**Targeting Angiogenesis to Treat Cancer and Intraocular Disorders**

Napoleone Ferrara (University of California, San Diego, USA)

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**President's Lecture 代表理事講演**

3月30日(土) 13:20-13:40

国立大ホール 2階

座長:

小川久雄 (国立循環器病研究センター)

**Task and Outlook of Cardiovascular Medicine in Japan - Future Direction of the JCS**

小室一成 (東京大学 循環器内科学)

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**横浜宣言**

3月30日(土) 13:40-13:50

国立大ホール 2階

心臓を守って健康長寿!

小室一成 (東京大学 循環器内科学)

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**会長特別講演 1**

3月30日(土) 16:50-17:35

国立大ホール 2階

座長:

松崎益徳 (聖比留会セントヒル病院/山口大学)

**Innovative Cybernic System for Medical and Social Innovation**

山海嘉之 (筑波大学 システム情報系/筑波大学 サイバニクス研究センター/内閣府ImPACT革新的研究開発推進プログラム/CYBERDYNE株式会社)

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**会長特別講演 2**

3月30日(土) 17:35-18:20

国立大ホール 2階

座長:

島本和明 (日本医療大学 真栄キャンパス)

**Medical Research by Physician Scientist**

門脇孝 (東京大学 糖尿病・生活習慣病予防講座 / 帝京大学溝口病院 病態栄養学講座)

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**Special Lecture 7 特別講演 7**

March 30 (Sat) 15:50-16:35

Main Hall, 1F, Conference Center

Chairperson:

Kyoichi Mizuno (Mitsukoshi Health and Welfare Foundation, Tokyo)

**Expanding Indications of TAVR**

Stephan Windecker (Bern University Hospital, Switzerland)

## Special Lecture 8 特別講演 8

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March 30 (Sat) 14 : 10—14 : 55

502, 5F, Conference Center

Chairperson :

Toyoaki Murohara (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

### Cellular Heterogeneity in Cardiovascular Repair

Stefanie Dimmeler (University Frankfurt, Germany)

## Special Lecture 9 特別講演 9

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March 30 (Sat) 14 : 55—15 : 40

502, 5F, Conference Center

Chairperson :

Hisayoshi Fujiwara (Hyogo Prefectural Amagasaki General Medical Center, Amagasaki)

### Heart & Brain Sciences: Global Health Equity and the AHA

Ivor Benjamin (American Heart Association, USA)

## Invited Lecture 9 招聘講演 9

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March 30 (Sat) 16 : 50—17 : 20

502, 5F, Conference Center

Chairperson :

Yasuchika Takeishi (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

### Human Pluripotent Stem Cell-derived Cardiomyocytes as a Target Platform for Dissecting Cardiac Survival Factors

Michael D. Schneider (British Heart Foundation Centre of Research Excellence, Imperial College London, UK)

## Invited Lecture 10 招聘講演 10

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March 30 (Sat) 17 : 20—17 : 50

502, 5F, Conference Center

Chairperson :

Koji Maemura (Department of Cardiovascular Medicine, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki)

### Genetics and Geometry in Aortic Valve Disease

Mona Nemer (Government of Canada, Canada)

## Invited Lecture 11 招聘講演 11

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March 30 (Sat) 17 : 50—18 : 20

502, 5F, Conference Center

Chairperson :

Masataka Sata (Department of Cardiovascular Medicine, Tokushima University Graduate School, Tokushima)

### AI-powered Single Cell Analysis to Explore Mechanisms for Macrophage Heterogeneity

Masanori Aikawa (Brigham and Women's Hospital, Harvard Medical School, USA)

## Plenary Session 10 (SHD)

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March 30 (Sat) 14 : 10—15 : 40

503, 5F, Conference Center

### Surgical Indication and Procedures for Functional Mitral Regurgitation

Chairpersons :

Christian Butter (Heart Center Brandenburg, Germany)

Hirokuni Arai (Department of Cardiovascular Surgery, Tokyo Medical and Dental University, Tokyo)

State-of-the-Art :

#### 1. From Heart Failure Treatment to the Best Choice of Interventional Treatment

Christian Butter (Heart Center Brandenburg, Germany)

#### 2. Mechanism of Acute and Chronic Ischemic Mitral Regurgitation: What's the Difference? What should We Know?

Shun Nishino (Department of Cardiology, Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)

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3. **Geometric Change in Mitral Apparatus during Repair Surgery for Functional Mitral Regurgitation**  
Kikuko Obase (Cardiovascular Surgery, Nagasaki University Hospital, Nagasaki)
4. **Extended Posterior Leaflet Augmentation for Functional Mitral Regurgitation -One Surgical Strategy Fit All-**  
Hiroki Yamaguchi (Department of Cardiovascular Surgery, Showa University Koto Toyosu Hospital, Tokyo)
5. **Two-year Outcome of Mitral Valve Repair with Subvalvular Apparatus for Functional Mitral Regurgitation**  
Keiji Oi (Department of Cardiovascular Surgery, Tokyo Medical and Dental University, Tokyo)
6. **Mitral Valve Repair for Functional Mitral Regurgitation in Reduced Ejection Fraction: Role of Surgery and Transcatheter Therapy**  
Makoto Amaki (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

## Symposium 14 (BR)

March 30 (Sat) 16 : 50—18 : 20  
302, 3F, Conference Center

### Non-coding RNAs as Regulators in Epigenetics

Chairpersons :

Stefanie Dimmeler (University Frankfurt, Germany)  
Koh Ono (Department of Cardiovascular Medicine, Kyoto University, Kyoto)

Keynote Lecture :

1. **Non-coding RNAs: Novel Therapeutics Targets in Cardiovascular Disease**  
Stefanie Dimmeler (University Frankfurt, Germany)
2. **Epigenetic Modification by Perinatal Environmental Stress and Its Lifelong Effects to Cardiovascular Diseases**  
Yuichiro Arima (Department of Cardiovascular Medicine, Kumamoto University, Kumamoto)
3. **A Novel Long Intergenic Noncoding RNA, Lionheart, Protects the Heart from Pressure Overload**  
Koh Ono (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
4. **Novel microRNA-mediated Regulation of AMP Deaminase, a Key Player in Diabetic Cardiomyopathy**  
Masaya Tanno (Department of Cardiovascular, Renal and Metabolic Medicine, Sapporo Medical University School of Medicine, Sapporo)

## Symposium 15 (HF/CM)

March 30 (Sat) 14 : 10—15 : 40  
303, 3F, Conference Center

### Pulmonary Hypertension -New Insights Derived from Database-

Chairpersons :

Sébastien Bonnet (Pulmonary Hypertension Research Group of IUCPQ, Canada)  
Hiroaki Shimokawa (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)

Keynote Lecture :

1. **Clinical Potential of BRD4 Inhibitors in Pulmonary Hypertension**  
Sébastien Bonnet (Pulmonary Hypertension Research Group of IUCPQ, Canada)
2. **The Insights from Japan PH Registry: Risk Assessments and Perspectives**  
Yuichi Tamura (Department of Cardiology, International University of Health and Welfare, Tokyo)
3. **Current Status of the Management of Patients with Pulmonary Hypertension Due to Left Heart Disease in Japan**  
Koichiro Sugimura (Department of Cardiovascular Medicine, Tohoku University Graduate School of Medicine, Sendai)
4. **Current Trends in Group 3 Pulmonary Hypertension and The Results of JRPMS**  
Nobuhiro Tanabe (Department of Respiriology, Chiba University, Graduate School of Medicine, Chiba)
5. **Current Status of Japanese Balloon Pulmonary Angioplasty Registry for Chronic Thromboembolic Pulmonary Hypertension**  
Takeshi Ogo (Division of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
6. **Multicenter Registry for Chronic Thromboembolic Pulmonary Hypertension in Japan**  
Kohtaro Abe (Department of Cardiovascular Medicine, Kyushu University Hospital, Fukuoka)

## シンポジウム 16

3月30日(土) 16:50-18:20

会議センター 3階「303」

循環器関連学会に訊く—202030:学会として何ができるか—

座長:

副島 京子 (杏林大学 循環器内科)

樗木 晶子 (九州大学 保健学)

### 1. The Importance of Gender Equality in the Medical Field

池永 肇恵 (内閣府男女共同参画局長)

### 2. Empowering Female Doctors

岩田 喜美枝 (津田塾大学 理事)

パネリスト:

石津 智子 (日本心エコー図学会 理事 男女共同参画委員会 委員長/筑波大学 臨床検査医学)

中村 敏子 (日本高血圧学会 理事 ダイバーシティ推進委員会 委員長/関西福祉科学大学 健康福祉学部 福祉栄養学科)

本江 純子 (日本心血管インターベンション治療学会 理事 働き方改革小委員会 委員長/五つ星会菊名記念病院 循環器センター)

森田 茂樹 (日本心臓血管外科学会 理事 外科医師活動支援委員会 委員長/九州医療センター)

## Symposium 17 (A)

March 30 (Sat) 16:50-18:20

503, 5F, Conference Center

### Precision Medicine in Inherited Arrhythmias

Chairpersons:

Gordon F. Tomaselli (Albert Einstein College of Medicine, USA)

Wataru Shimizu (Department of Cardiovascular Medicine, Graduate School of Medicine, Nippon Medical School, Tokyo)

Keynote Lecture:

#### 1. Stem Cell Models of Inherited Arrhythmias: *Insights from 3D Tissue Models*

Gordon F. Tomaselli (Albert Einstein College of Medicine, USA)

#### 2. Plasma MicroRNAs as Non-Invasive Biomarkers in Patients with Brugada Syndrome

Yukiko Nakano (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)

#### 3. Novel Risk Stratification of Lethal Arrhythmic Events in Congenital Long-QT Syndrome Type 3

Takeshi Aiba (Department of Advanced Arrhythmia and Translational Medical Science, National Cerebral and Cardiovascular Center, Suita)

#### 4. An NGS-based Genotyping in LQTS; Minor Genes are No Longer Minor

Seiko Ohno (Department of Bioscience and Genetics, National Cerebral and Cardiovascular Center, Suita)

#### 5. New Insights into the Therapeutic Potential of a KACH Channel in Hereditary Sinus Bradycardia

Yoshihiro Asano (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

## Special Session 10 会長特別企画 10

3月30日(土) 14:10-15:40

会議センター 1階「メインホール」

循環器病征圧へ向けた我が国の課題と対策

座長:

斎藤 能彦 (奈良県立医科大学 循環器内科)

前村 浩二 (長崎大学医歯薬学総合研究科 循環器内科学)

### 1. The Role of the Legislature on Cerebrovascular and Cardiovascular Disease Control Act

吉田 統彦 (衆議院議員)

### 2. Current Efforts and Future Direction of Measures for Overcoming Cardiovascular and Cerebrovascular Diseases in Japan

宇都宮 啓 (厚生労働省 健康局)

### 3. Supports on Medical Research and Development by Ministry of Education, Culture, Sports, Science and Technology

仙波 秀志 (文部科学省 研究振興局ライフサイエンス課)

### 4. AMED's Activity to Encourage the Health Research and Development

泉 陽子 (国立研究開発法人 日本医療研究開発機構 統括役)

## 5. Control Measures for Cardiovascular Diseases in the Community and the Role of the Japan Medical Association

羽鳥 裕 (日本医師会 常任理事)

## Special Session 11 会長特別企画 11 (BR)

March 30 (Sat) 16:50-18:20

Main Hall, 1F, Conference Center

### Molecular Targeted Therapy against Cardiovascular Diseases

Chairpersons:

Joseph A. Hill (UT Southwestern Medical Center, USA)

Tetsuo Minamino (Department of Cardioresenal and Cerebrovascular Medicine, Faculty of Medicine, Kagawa University, Kita)

Keynote Lecture:

#### 1. Renovations in the House of Medicine

Joseph A. Hill (UT Southwestern Medical Center, USA)

#### 2. Development of Antisense Drug Targeting Hypercholesterolemia

Mariko Harada-Shiba (Department of Molecular Innovation in Lipidology, National Cerebral and Cardiovascular Center Research Institute, Suita)

#### 3. Novel Therapeutic Strategy for Takayasu Arteritis and Giant Cell Arteritis via Interleukin-6 Blockade

Yoshikazu Nakaoka (Department of Vascular Physiology, National Cerebral and Cardiovascular Center Research Institute, Suita)

#### 4. Myosin Regulatory Light Chain Phosphorylation as a Modulator of Sarcomere Contractility

Tsukamoto Osamu (Department of Medical Biochemistry, Osaka University, Suita)

## Special Session 12 会長特別企画 12

3月30日(土) 14:10-15:40

会議センター 3階「301」

循環器内科医のキャリアパス

座長:

島田 和幸 (新小山市民病院)

福岡 英雄 (独立行政法人国立病院機構)

#### 1. Health Care and its Future from Management Perspective

山本 雄士 (株式会社ミナケア)

#### 2. My Journey and Mentors

武藤 真祐 (医療法人社団鉄祐会)

#### 3. From My Experience as a Technical Official of the Ministry of Health, Labour and Welfare

岡田 佳築 (大阪大学 循環器内科学)

#### 4. A Working Experience in AMED ~How can Your Research Contribute to Our Society?~

岩上 直嗣 (国立循環器病研究センター 研究推進支援部)

## Special Session 13 会長特別企画 13 (BR)

3月30日(土) 16:50-18:20

会議センター 3階「301」

AMED (ゲノムプロジェクト): 多因子疾患におけるゲノム医療の実現を目指して

座長:

吉栖 正生 (広島大学 医歯薬保健学研究所 心臓血管生理医学)

望月 直樹 (国立循環器病研究センター 研究所 細胞生物学部)

#### 1. Multi-omics Approaches to Cardiovascular Medicine

油谷 浩幸 (東京大学先端科学技術研究センター ゲノムサイエンス分野)

#### 2. Comprehensive Genetic Study for Complex Diseases

鎌谷 洋一郎 (京都大学 大学院医学研究科 京都大学マギル大学ゲノム医学国際連携専攻)

#### 3. Approach to Cardiovascular Diseases from Genome-wide Integrative Omics Profiles

高橋 篤 (国立循環器病研究センター 研究所 病態ゲノム医学部)

#### 4. Implementation of Precision Medicine and Drug Development Based on Genome Cohort Studies and Pharmacogenomics Clinical Trials in Cardiovascular Medicine

植田 真一郎 (琉球大学 臨床薬理学)

#### 5. Omics Data Analysis by Machine Learning for Medical Treatment and Drug Discovery

山西 芳裕 (九州工業大学 情報工学研究院生命情報工学研究系)

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## Special Session 14 会長特別企画 14 (BR)

3月30日(土) 14:10-15:40

会議センター 3階「302」

AMED-CREST (メカノバイオロジー): 循環器におけるメカノバイオロジー研究の最前線

座長:

野村 征太郎 (東京大学 循環器内科)

菅我部 正博 (名古屋大学)

- 1. Cardiomyocyte Gene Programs Encoding Morphological and Functional Signatures in Cardiac Hypertrophy and Failure**  
野村 征太郎 (東京大学 循環器内科)
- 2. Micro-scale Mechanical Stimulation System to Elucidate Mechanobiology of Cardiomyocyte**  
池内 真志 (東京大学 大学院情報理工学系研究科)
- 3. Cryo-Electron Microscopic Analyses of Cardiomyocytes to Elucidate the Structural Mechanisms of the Mechano-Responses in Heart**  
仁田 亮 (神戸大学 生体構造解剖学)
- 4. Quantitatively Analyzing the Mechanical Properties of the Human Cell Nucleus**  
島本 勇太 (国立遺伝学研究所 新分野創造センター)
- 5. Mechanobiology of Heart Revealed with DNA Nano-device and High-resolution Molecular Imaging**  
岩城 光宏 (理化学研究所 生命機能科学研究センター)

## Special Session 15 会長特別企画 15

3月30日(土) 14:10-15:40

会議センター 5階「501」

我が国で発見された循環器疾患

座長:

大屋 祐輔 (琉球大学 循環器・腎臓・神経内科学)

明石 嘉浩 (聖マリアンナ医科大学 循環器内科)

- 1. History of Kawasaki Disease**  
小林 徹 (国立成育医療研究センター 企画運営部)
- 2. Immunoglobulin G4 (IgG4)-Related Cardiovascular Disease**  
坂本 愛子 (東京大学 循環器内科 保健・健康推進本部)
- 3. Recent Advances in the Diagnosis and Therapeutic Strategy of Takayasu Arteritis**  
前嶋 康浩 (東京医科歯科大学 循環制御内科学)
- 4. Takotsubo Syndrome**  
石原 正治 (兵庫医科大学 循環器内科・冠疾患科)

## Special Session 16 会長特別企画 16

3月30日(土) 16:50-18:20

会議センター 5階「501」

厚生労働省事業

座長:

友池 仁暢 (神原記念病院)

高本 真一 (賛育会病院/慶應義塾大学 医療政策・管理学教室)

- 1. Prevention of the Onset and Aggravation of Cardiovascular Diseases in Community**  
宮本 恵宏 (国立循環器病研究センター 予防健診部)
- 2. The Development of Evidence for Appropriate Therapeutic Strategies against Cardiovascular Diseases Using Nationwide Database**  
波多野 将 (東京大学 循環器内科)
- 3. Perspective from a Research for Creating Indicators of Medical Service System for Acute Coronary Syndrome and Acute Aortic Syndrome to Construct Desirable System Using Existing Databases**  
彦惣 俊吾 (大阪大学)
- 4. Future Perspectives on Nationwide Registry -From Stroke Registry Side-**  
西村 邦宏 (国立循環器病研究センター 予防医学・疫学情報部)
- 5. Effects of Multidisciplinary Cardiac Rehabilitation for Patients with Heart Failure on Clinical Outcomes and Health Care Costs: Nationwide Surveillance, Retrospective Multicenter Cohort Study and Cohort Registration Studies (AMED-CHF CR study)**  
磯部 光章 (日本心臓血圧研究振興会附属神原記念病院)

## Special Session 17 会長特別企画 17

3月30日(土) 16:50-18:20

アネックスホール 2階 [F201+F202]

循環器病予防のための学会横断的なアプローチ

座長:

平山 篤志 (大阪警察病院 循環器内科)

野出 孝一 (佐賀大学 循環器内科)

1. **Japanese Society of Hypertension (JSH) Future Plan: Moon-shots for Conquering Hypertension**

伊藤 裕 (慶應義塾大学 医学部 腎臓内分泌代謝内科)

2. **Establishment of 10 Million Ways of Personalized Care for Patients with Diabetes**

植木 浩二郎 (国立国際医療センター研究所 糖尿病研究センター)

3. **Therapeutic Approaches for Primary and Secondary Prevention of Atherosclerotic Cardiovascular Diseases**

山下 静也 (りんくう総合医療センター 大阪大学総合地域医療学寄附講座)

4. **The Challenge of Japanese Society of Nephrology to Conquer of Cardiovascular and Kidney Diseases**

柏原 直樹 (川崎医科大学 腎臓・高血圧内科)

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## CSC-JCS Joint Symposium (HF/CM)

March 30 (Sat) 14:10-15:40

304, 3F, Conference Center

Heart Failure in the Elderly

Chairpersons:

Yunzeng Zou (Zhongshan Hospital, Fudan University, China)

Toshihisa Anzai (Department of Cardiovascular Medicine, Hokkaido University Graduate School of Medicine, Sapporo)

1. **LRP6 Protects Heart from Myocardial Ischemia-Reperfusion**

Yunzeng Zou (Zhongshan Hospital, Fudan University, China)

2. **Epidemiology of Heart Failure in the Elderly in Japan: Insights from the CHART-2 Study**

Yasuhiko Sakata (Tohoku University Graduate School of Medicine, Sendai)

3. **Management of Heart Failure in the Elderly**

Li Zhang (Heart and Vascular Center, The First Affiliated Hospital, School of Medicine, Zhejiang University, China)

4. **Future Tasks of Heart Failure in the Elderly**

Kazuhiro Yamamoto (Division of Cardiovascular Medicine, Endocrinology and Metabolism, Department of Molecular Medicine and Therapeutics, Faculty of Medicine, Tottori University, Yonago)

## ラウンドテーブルディスカッション 5

3月30日(土) 16:20-17:20

アネックスホール 2階 [F203+F204]

臨床研究を取り巻く環境変化と今後の動向

座長:

楠岡 英雄 (国立病院機構)

山崎 力 (国際医療福祉大学 未来研究支援センター)

1. **Toward the 2nd Year after the Enforcement of the Clinical Trial Act**

吉田 淳 (厚生労働省 医政局研究開発振興課治験推進室)

2. **Providing High-quality Evidence from Japan to the World**

渡邊 裕司 (国立国際医療研究センター 臨床研究センター/浜松医科大学)

3. **Fundamental Framework of Legal Regulations for Biomedical Research**

米村 滋人 (東京大学 法學政治学研究所)

## ラウンドテーブルディスカッション 6

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3月30日(土) 17:20-18:20  
アネックスホール 2階 [F203+F204]

遠隔モニタリングが支える循環器診療

座長:

石川 利之 (横浜市立大学 循環器内科)  
池田 隆徳 (東邦大学 循環器内科学)

- 1. Implantable Cardiac Device Diagnostics and Detection of Worsening Heart Failure**  
渡邊 英一 (藤田医科大学 循環器内科学)
- 2. Medical Management of Cardiac Implantable Electrical Devices Using Remote Monitoring**  
荷見 映理子 (東京大学 循環器内科)
- 3. Telemedicine for Obstructive Sleep Apnea Patients Undergoing CPAP Treatment in Japan**  
陳 和夫 (京都大学 呼吸管理睡眠制御学講座)
- 4. Advantage to Use the Remote Monitoring System for the Better Management of Patients with Cardiac Implantable Pacing Devices in Clinic**  
真中 哲之 (浅草ハートクリニック)

## Topic 11 (BR)

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March 30 (Sat) 15:45-16:45  
F201+F202, 2F, Annex Hall

**3D Engineering for CV Regenerative Therapy**

Chairpersons:

Thomas Eschenhagen (University Medical Center Hamburg-Eppendorf, Germany)  
Tatsuya Shimizu (Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, Tokyo)

Keynote Lecture:

- 1. 3D Engineering for CV Regenerative Therapy**  
Thomas Eschenhagen (University Medical Center Hamburg Eppendorf, Germany)
- 2. Recent Advances of Cell Sheet-Based Myocardial Tissue Engineering**  
Tatsuya Shimizu (Institute of Advanced Biomedical Engineering and Science, Tokyo Women's Medical University, Tokyo)

## トピック 12

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3月30日(土) 15:10-16:10  
アネックスホール 2階 [F203+F204]

循環器疾患と性差

座長:

樗木 晶子 (九州大学 保健学部門)  
佐藤 加代子 (東京女子医科大学 循環器内科)

- 1. The Clinical Feature of Coronary Artery Disease in Women**  
河野 宏明 (熊本大学 生命科学研究所 環境社会医学部門)
- 2. Gender Difference in Heart Failure**  
井手 友美 (九州大学 循環器内科)
- 3. The History, Practice, and Future of Gender Medicine in Japan: Messages from Practitioners at Women-Specific Clinics at a University Hospital**  
片井 みゆき (東京女子医科大学 総合診療科・女性科 (女性内科))

## トピック 13 (HF/CM)

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3月30日(土) 14:10-15:10  
アネックスホール 2階 [F205+F206]

成人先天性心疾患のカテーテル治療

座長:

金澤 英明 (慶應義塾大学 循環器内科)  
稲葉 俊郎 (東京大学 循環器内科)

- 1. Transcatheter Interventions in Adults with Congenital Heart Disease: Current State and Perspective**  
矢崎 諭 (榊原記念病院 小児循環器科)



## 2. Current Concept of Transcatheter Closure of Patent Foramen Ovale (PFO) for Secondary Prevention of PFO Related Cryptogenic Stroke

赤木 禎治 (岡山大学 循環器内科)

### トピック 14 (HF/CM)

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3月30日(土) 16:20-17:20

アネックスホール 2階 [F205+F206]

心疾患患者の周産期管理と産褥心筋症

座長:

市田 落子 (富山大学 医学薬学研究部 小児科)

長谷部 直幸 (旭川医科大学 内科学講座 循環・呼吸・神経病態内科学分野)

#### 1. The Management of Pregnancy with Cardiovascular Disease

池田 智明 (三重大学 産科婦人科)

#### 2. Peripartum Cardiomyopathy: The Overview and Japanese Clinical Guideline

神谷 千津子 (国立循環器病研究センター 周産期・婦人科部)

### コントロールシー 2 (VD/RF)

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3月30日(土) 14:10-15:10

アネックスホール 2階 [F203+F204]

SFA・BK領域の血行再建は外科か、内科か?

座長:

横井 良明 (岸和田徳洲会病院 循環器内科)

宮田 哲郎 (国際医療福祉大学山王病院・山王メディカルセンター 血管病センター)

#### 1. Who should Manage Infrainguinal Artery Disease?

曾我 芳光 (小倉記念病院 循環器内科)

#### 2. Advantage of the Bypass-first Strategy for the Infra-inguinal Arterial Lesion

保科 克行 (東京大学 血管外科)

### コントロールシー 3 (CAD)

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3月30日(土) 17:20-18:20

アネックスホール 2階 [F205+F206]

PCIの効果はプラセボか? (ORBITA 試験から考える)

座長:

住吉 徹哉 (榊原記念病院 循環器内科)

安東 治郎 (東京大学 循環器内科)

#### 1. ORBITA Trial: Impact of the Trial Result and Implication on the Japanese Practice

香坂 俊 (慶應義塾大学 循環器内科)

#### 2. Beyond ORBITA: The Role of PCI in Stable CAD

横井 宏佳 (福岡山王病院 循環器センター)

### ミート・ザ・エキスパート 6 (IMG)

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3月30日(土) 15:10-16:10

アネックスホール 2階 [F205+F206]

左室拡張能を再考する

座長:

大手 信之 (名古屋市立大学 心臓・腎高血圧内科学)

尾辻 豊 (産業医科大学 第二内科学)

#### 1. Echocardiographic Assessment of Left Ventricular Diastolic Function

浅沼 俊彦 (大阪大学 保健学科)

#### 2. Usefulness of Pulmonary Venous Flow Velocity

天野 雅史 (国立循環器病研究センター 心臓血管内科)

#### 3. The Clinical Use of Diastolic Stress Echocardiography for Assessment of Diastolic Dysfunction

杉本 匡史 (三重大学 中央検査部)

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# 心エコー図学会一日循共催心エコーハンズオン (IMG)

## 第2部

3月30日(土) 13:30-16:20

展示ホール ハーバーラウンジ B

レクチャー講師:

山田 聡 (東京医科大学八王子医療センター 循環器内科)

インストラクター:

飯田 典子 (筑波大学 検査部)

酒巻 文子 (つくばセントラル病院 診療技術部生理機能検査室)

塩川 則子 (聖マリアンナ医科大学 超音波センター)

田端 千里 (聖マリアンナ医科大学 超音波センター)

渡邊 伸吾 (心臓血管研究所 臨床検査室)

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## Featured Research Session 10 (A)

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March 30 (Sat) 14 : 10–15 : 40  
416+417, 4F, Conference Center

### Arrhythmias (Clinical) 3

Chairpersons :

Hiroshi Nakagawa (Heart Rhythm Institute, University of Oklahoma Health Sciences Center, USA)  
Kaoru Okishige (Japan Red Cross Yokohama City Bay Hospital, Yokohama)

Keynote Lecture :

**FRS10-1 An Expandable Lattice Electrode Ablation Catheter Rapidly Produces Wide and Shallow Radiofrequency Lesions in Canine Beating Hearts**

Hiroshi Nakagawa (Heart Rhythm Institute, University of Oklahoma Health Sciences Center, USA)

**FRS10-2 The Effectiveness of Antitachycardia Pacing in Patients with Electrical Storm: The NIPPON STORM STUDY**

Hiroshi Hayashi (Department of Cardiology, Nippon Medical School, Tokyo)

**FRS10-3 Electrophysiological Features of Septal Ventricular Tachycardia in Patients with Remote Myocardial Infarction**

Yasutoshi Shinoda (Department of Cardiology, Tsukuba University Hospital, Tsukuba)

**FRS10-4 Efficacy of Implantable Cardioverter Defibrillator in Patients with Non-ischemic Heart Failure: A Subanalysis of the Nippon Storm Study**

Shingo Sasaki (Department of Cardiology and Nephrology, Hiroasaki University Graduate School of Medicine, Hiroasaki)

**FRS10-5 Steep Negative Deflection in His-bundle Electrogram as a Marker of Excellent His-bundle Pacing Threshold during Short-term after Implant**

Toshiaki Satoh (Division of Advanced Arrhythmia Management, Kyorin University School of Medicine, Mitaka)

## Featured Research Session 11 (A)

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March 30 (Sat) 16 : 50–18 : 20  
416+417, 4F, Conference Center

### Arrhythmias, Thromboembolism (Basic)

Chairpersons :

Barbara Casadei (University of Oxford, UK)  
Tetsushi Furukawa (Department of Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)

Keynote Lecture :

**FRS11-1 Frontiers in Atrial Fibrillation**

Barbara Casadei (University of Oxford, UK)

**FRS11-2 Rare Methylated Cell-free DNA Released from Cardiomyocytes Contributes to Systemic Inflammatory Response Accompanied with Atrial Fibrillation**

Masahiro Yamazoe (Department of Bio-informational Pharmacology, Medical Research Institute, Tokyo Medical and Dental University, Tokyo)

**FRS11-3 Biophysics of Lesion Apoptosis and Time-course Lesion Maturation in Scanned Proton Beam, Catheter-free Ablation in the Porcine Heart**

Atsushi Suzuki (Division of Cardiology, Osaka Saiseikai Nakatsu Hospital, Osaka)

**FRS11-4 Novel Deep Venous Thrombosis Model Enabled Visualization of Thrombus Formation and Organization Process in Vivo**

Mitsumasa Okano (Division of Cardiovascular Medicine, Kobe University Graduate School of Medicine, Kobe)

**FRS11-5 The Factor Xa Inhibitor, Edoxaban, Prevents Cardiac Remodeling in Rats with Myocardial Infarction**

Takeshi Soeki (Department of Cardiovascular Medicine, Tokushima University Graduate School of Biomedical Sciences, Tokushima)

## Oral Presentation (English) 18 (VD/RF)

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March 30 (Sat) 14 : 10–15 : 40  
411+412, 4F, Conference Center

### Vascular Biology 1

Chairpersons :

Chin-Sheng Lin (Division of Cardiology, Department of Medicine, Tri-Service General Hospital, National Defense Medical Center, Taiwan)  
Mari Ishida (Department of Cardiovascular Physiology and Medicine, Hiroshima University, Hiroshima)

- OE18-1 Estrogen/Sirt1/LKB1/AMPK Axis Plays a Crucial Role in Mediating Rab9-dependent Mitophagy and Retarding Arterial Senescence**  
Yuichi Sasaki (Department of Cardiovascular Medicine and Hypertension, Graduate School of Medical and Dental Sciences, Kagoshima University, Kagoshima)
- OE18-2 Pathophysiological Significance of Browning of Perivascular Adipose Tissue in the Development of Atherosclerosis**  
Yusuke Adachi (Department of Cardiovascular Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo)
- OE18-3 The Identification of Differential Roles of MicroRNA-33a and -33b during Atherosclerosis Progression with Genetically Modified Mice**  
Takahiro Horie (Department of Cardiovascular Medicine, Graduate School of Medicine, Kyoto University, Kyoto)
- OE18-4 The Molecular Regulation of MLKL on VSMCs Necroptosis under Mechanical Stress**  
Wen-Pin Cheng (Shin Kong Wu Ho-Su Memorial Hospital, Taiwan)
- OE18-5 CTRP5 Promotes Transcytosis and Oxidative Modification of Low-density Lipoprotein and the Development of Atherosclerosis**  
Chang Li (Ruijin Hospital, China)
- OE18-6 Metabolic Stress and Angiotensin II Causes Vascular Senescence via AT1R Signal-mediate Mitochondrial Fission**  
Yoshihiro Uchikado (Cardiovascular Medicine and Hypertension, Graduate School of Medicine, Kagoshima University, Kagoshima)
- OE18-7 Cyclic GMP-dependent Protein Kinase-1  $\alpha$  (PKG1  $\alpha$ ) Redox Sensor Modulates Sympathetic Activity and Salt Sensitivity**  
Nobuyuki Tokunaga (Department of Cardiovascular Medicine, Graduate School of Medical Sciences, Kumamoto University, Kumamoto)
- OE18-8 Prior Exposure to Preeclampsia Causes Increased Salt-sensitivity of Blood Pressure in Postpartum Period via Increased Vasopressin Secretion**  
Taku Matsuura (Department of Cardiovascular Medicine, Kyushu University Graduate School of Medical Sciences, Fukuoka)
- OE18-9 Dual Atheroprotective Effects of Chalcone Derivatives, I17-6, Focusing on Cholesterol Efflux and Endothelial Dysfunction**  
Chin-Sheng Lin (Division of Cardiology, Department of Medicine, Tri-Service General Hospital, National Defense Medical Center, Taiwan)

## Oral Presentation (English) 19 (VD/RF)

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March 30 (Sat) 16 : 50–18 : 20  
411+412, 4F, Conference Center

### Vascular Biology 2

Chairpersons :

Kyosuke Takeshita (Department of Clinical Laboratory Medicine, Saitama Medical Center, Saitama Medical University, Kawagoe)  
Norifumi Takeda (Department of Cardiovascular Medicine, The University of Tokyo Hospital, Tokyo)

- OE19-1 CD44 is Associated with the Development of Thoracic Aortic Aneurysm and Dissection in Mice**  
Toru Miyoshi (Department of Cardiovascular Medicine, Okayama University, Okayama)
- OE19-2 C1q/TNF-Related Protein 9 Enhances Ischemia-Induced Revascularization through an eNOS-Dependent Pathway**  
Shukuro Yamaguchi (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)
- OE19-3 Deficiency of Integrin Alpha1 Prevents Abdominal Aortic Aneurysm Rupture in Mice**  
Toru Miyoshi (Department of Cardiovascular Medicine, Okayama University, Okayama)
- OE19-4 Efficient Induction and Expansion of Endothelial Cells from Human Induced Pluripotent Stem Cells**  
Miki Yoshioka (Center for iPS Research and Application, Kyoto)

OE19-5 **Withdrawn**

OE19-6 **Chondroitin Sulfate N-acetylgalactosaminyl-transferase-2 (ChGn-2) Gene Inactivation Attenuates Lipoprotein Retention and Abrogates Aortic Smooth Muscle Cells Migration**  
Imam M. Adhikara (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

OE19-7 **Visualization of the Arterial Wall Vascularization Associated with Vascular Inflammation Using Superb Micro-vascular Imaging**  
Wakana Sato (Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)

OE19-8 **Plasma Levels of Melatonin in Dilated and Hypertrophic Cardiomyopathies**  
Tomofumi Misaka (Department of Cardiovascular Medicine, Fukushima Medical University, Fukushima)

OE19-9 **Abnormal Mechanosensing and 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, Tokyo)

## Oral Presentation (English) 20 (A)

March 30 (Sat) 14 : 10 – 15 : 40  
413, 4F, Conference Center

### Anticoagulation, Medicine

Chairpersons :

Satoshi Nagase (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)

Satoshi Yanagisawa (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

OE20-1 **Impact of Renal Function on Bleeding Risk in Patients with Non-valvular atrial Fibrillation Treated with Direct Oral Anticoagulants**

Tomoaki Kobayashi (Division of Cardiology, Osaka Police Hospital, Osaka)

OE20-2 **Discrepancy between Physician's Intention and Patient's Perception among Patients with Atrial Fibrillation and Lower Stroke Risk**

Shintaro Senda (Keio University School of Medicine, Tokyo)

OE20-3 **Switching to Dabigatran on the Day of Atrial Fibrillation Ablation Reduces Risk of Silent Cerebral Ischemia: Propensity Score Matching Study**

Masahide Harada (Department of Cardiology, Fujita Health University, Toyoake)

OE20-4 **Association between Variability of International Normalized Ratio and Events in Patients with Non-Valvular Atrial Fibrillation. Subanalysis of the J-RHYTHM Registry**

Eitaro Kodani (Department of Internal Medicine and Cardiology, Nippon Medical School, Tama-Nagayama Hospital, Tama)

OE20-5 **Usefulness of B-type Natriuretic Peptide -Based Risk Stratification for Thromboembolism in Non-valvular Atrial Fibrillation**

Naoharu Yagi (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

OE20-6 **Effects of Ivabradine on Dynamic Vagal Control of Heart Rate**

Toru Kawada (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)

OE20-7 **Specific Epicardial Bridging Myocardium Connecting Sinoatrial Node and Atrioventricular Node**

Osamu Igawa (Department of Internal Medicine and Cardiology, Nippon Medical School, Tama-Nagayama Hospital, Tama)

OE20-8 **Adverse Events and Quality of Life Analysis by Anticoagulant Type in Patients with Atrial Fibrillation**

Takehiro Kimura (Department of Cardiology, Keio University School of Medicine, Tokyo)

OE20-9 **Serious Adverse Events in Asians of over the Age of 80 with Atrial Fibrillation: Comparing DOAC vs. Warfarin vs. Non-anticoagulant**

Ai Sakamoto (Kagawa Prefectural Central Hospital, Takamatsu)

## Oral Presentation (English) 21 (O)

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March 30 (Sat) 16 : 50—18 : 20

413, 4F, Conference Center

### Preventive Medicine/Epidemiology

Chairpersons :

Kazuo Terai (Department of Cardiology, Shinjyuku Hiro Clinic, Tokyo)

Taku Iwami (Kyoto University Health Service, Kyoto)

- OE21-1 Accumulative Impact of Poor Nutrition and Frailty on 1-year Mortality among Acute Decompensated Heart Failure Patients**  
Takuya Sumi (Department of Cardiology, Ichinomiya Municipal Hospital, Ichinomiya)
- OE21-2 Relation between Circulating Polyunsaturated Fatty Acid Level and Exercise Response in Patients with Non-ischemic Heart Failure**  
Seiya Izumida (Department of Cardiology, Nagasaki University Hospital, Nagasaki)
- OE21-3 Nationwide Database Analysis of Upper Gastrointestinal Bleeding Associated with Concomitant Use of PCAB or PPI in Patients Receiving Antithrombotic Agents**  
Kenichi Tsujita (Department of Cardiovascular Medicine, Kumamoto University, Kumamoto)
- OE21-4 Association of Oral Health Based on Tooth Brushing Behavior with Cardiovascular Outcome: Two-year Follow-up Prospective Observational Study**  
Shogo Matsui (Department of Cardiovascular Medicine, Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima)
- OE21-5 Gender Differences in the Relationship between Physical Activity and Cardiovascular Mortality in the General Population**  
Tomoki Kobayashi (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- OE21-6 Beneficial Effects of Cardiac Rehabilitation on Pro-atherogenic and Anti-Atherogenic Lipoprotein Profiles in Patients with Acute Coronary Syndrome**  
Shinji Koba (Department of Medicine, Division of Cardiology, Showa University School of Medicine, Tokyo)
- OE21-7 Worsening Physical Function and Clinical Outcome in Patients with Acute Decompensated Heart Failure**  
Satoru Sakuragi (Department of Cardiovascular Medicine, Iwakuni Clinical Center, Iwakuni)
- OE21-8 Cardiac Rehabilitation can Reduce the Medical Expenses of Patients with Mild Coronary Risk Factors Following Acute Coronary Syndrome**  
Yuya Yokota (Department of Medicine, Division of Cardiology, Showa University School of Medicine, Tokyo)
- OE21-9 Impact of In-hospital Cardiac Rehabilitation on Barthel Index and Prognosis in Patients with Acute Decompensated Heart Failure**  
Musashi Nishimura (Shinshu University School of Medicine, Matsumoto)

## Oral Presentation (English) 22 (HF/CM)

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March 30 (Sat) 14 : 10—15 : 40

414+415, 4F, Conference Center

### Heart Failure (Laboratory/Biomarkers)

Chairpersons :

Myeong-Chan Cho (Chungbuk National University Hospital, Korea/The Korean Society of Hypertension, Korea)

Hiroyuki Naruse (Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University School of Medicine, Toyoake)

- OE22-1 The Prognostic Impact of Insulin Secretory Function in Non-Diabetic Elderly Patients with Acute Decompensated Heart Failure**  
Shingo Kazama (Department of Cardiology, Nagoya Ekisaikai Hospital, Nagoya)
- OE22-2 Relationship of High-density Lipoprotein-associated Arylesterase Activity to Systolic Heart Failure in Patients with and without Type 2 Diabetes**  
Xiao Qun Wang (Ruijin Hospital, China)
- OE22-3 Prognostic Impact of High Controlling Nutritional Status (CONUT) Scores in Acute Decompensated Heart Failure**  
Takao Kato (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)
- OE22-4 Withdrawn**

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- OE22-5 Soluble Urokinase Type Plasminogen Activator Receptor (suPAR) Reflects Exercise Tolerance and Predicts Adverse Cardiac Events in Patients with Heart Failure**  
Hirotoishi Ishikawa (Department of Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka)
- OE22-6 Nocturia, Nocturnal Blood Pressure Burden and Cardiac Load: Significant Predictors of Heart Failure Incidence in the High-risk Elderly**  
Michiaki Nagai (Department of Cardiology, Hiroshima City Asa Hospital, Hiroshima)
- OE22-7 Roles of Protein O-Linked N-Acetyl-Glucosamine in Mediating Cardiac Function in Heart Failure**  
Atsuyuki Wada (Cardiovascular and Heart Failure Center, Kusatsu General Hospital, Kusatsu)
- OE22-8 Neutrophil-to-lymphocyte Ratio could Predict Adverse Clinical Outcomes in Patients with Heart Failure with Preserved Ejection Fraction**  
Ken Watanabe (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)
- OE22-9 Low Insulin is an Independent Predictor of All-cause and Cardiovascular Death in Acute Decompensated Heart Failure Patients without Diabetes Mellitus**  
Maki Nogi (Department of Cardiology, Nara Medical University, Kashihara)

## Oral Presentation (English) 23 (HF/CM)

March 30 (Sat) 16 : 50 – 18 : 20  
414+415, 4F, Conference Center

### Heart Failure (Pharmacology)

Chairpersons :

Kazuhide Ogino (Department of Cardiology, Japanese Red Cross Tottori Hospital, Tottori)  
Tomomi Ide (Department of Cardiovascular Medicine, Kyushu University, Fukuoka)

- OE23-1 Comparison of Long-acting and Short-acting Loop Diuretics in the Treatment of Heart Failure with Preserved Ejection Fraction: From the CURE-HF-Registry**  
Sho Suzuki (Department of Cardiovascular Medicine, Minaminagano Medical Center, Shinonoi General Hospital, Nagano)
- OE23-2 Faster Start and Continuous Administration of Tolvaptan Suppress Worsening Renal Function**  
Toru Dejima (Department of Cardiology, Yokohama Hodogaya Central Hospital, Yokohama)
- OE23-3 Urgent Control of Rapid Atrial Fibrillation Using Landiolol in Patients with Heart Failure and Severely Reduced Ejection Fraction in ADHF**  
Noriaki Iwahashi (Division of Cardiology, Yokohama City University Medical Center, Yokohama)
- OE23-4 Decrease in Heart Rate Have More Impact than Up-titration of Beta Blocker for Acute Decompensated Heart Failure with Atrial Fibrillation**  
Takashi Morinaga (Department of Cardiology, Kokura Memorial Hospital, Kitakyushu)
- OE23-5 Beneficial Effect of Exchanging Dipeptidyl Peptidase 4 Inhibitor for Canagliflozin on Heart Failure with Diabetes Mellitus -CHANGE Trial**  
Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- OE23-6 Exchanging Dipeptidyl Peptidase 4 Inhibitor for Canagliflozin can Improve Renal Parameters in Patients with Diabetic Heart Failure -CHANGE Trial**  
Kyosuke Yanagawa (Department of Cardiology, Osaka Rosai Hospital, Sakai)
- OE23-7 Efficacy and Safety of SGLT2 Inhibitors According to Baseline HbA1c Levels in Heart Failure Patients with Type 2 Diabetes**  
Masaki Nakagaito (Second Department of Internal Medicine, University of Toyama, Toyama)
- OE23-8 Differences by Age in Efficacy of Guideline-recommended Medication on Long-term Outcomes in Patients with Acute Heart Failure**  
Takuro Abe (Department of Cardiology, Tokyo Women's Medical University Hospital, Tokyo)
- OE23-9 Pathological Type of Fulminant Myocarditis and Suitability of Immunosuppressive Therapy**  
Takahiro Okumura (Department of Cardiology, Nagoya University Graduate School of Medicine, Nagoya)

## Oral Presentation (English) 24 (IMG)

March 30 (Sat) 14 : 10—15 : 40  
418, 4F, Conference Center

### Nuclear Imaging

Chairpersons :

Yen-Wen Wu (Far Eastern Memorial Hospital, Taiwan/National Yang-Ming University School of Medicine, Taiwan)  
Kazuya Takehana (Department of Medicine II, Division of Cardiology, Kansai Medical University, Hirakata)

- OE24-1 Periatrial Inflammation Measured by FDG-PET/CT to Predict New-onset Atrial Fibrillation**  
Yasuaki Hada (Department of Cardiology, Shin-Yurigaoka General Hospital, Kawasaki)
- OE24-2 <sup>13</sup>N Ammonia PET Myocardial Flow Reserve for Detection of Cardiac Allograft Vasculopathy in Heart Transplant Patients**  
Eri Yamamoto (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE24-3 Colchicine Attenuates Myocardial Inflammatory Response and Ventricular Remodeling after Acute Myocardial Infarction Demonstrated by C-14-methionine Imaging and Gated SPECT**  
Junichi Taki (Department of Nuclear Medicine, Kanazawa University Hospital, Kanazawa)
- OE24-4 Novel Imaging Approach to Coronary Artery Disease Using <sup>18</sup>F-Sodium Fluoride Positron Emission Tomography in Combination with Computed Tomography**  
Toshiro Kitagawa (Department of Cardiovascular Medicine, Hiroshima University Graduate School of Biomedical and Health Sciences, Hiroshima)
- OE24-5 Papillary Muscle Ischemia and Global Myocardial Flow Reserve in Coronary Artery Disease: Assessment by High-resolution Cine Imaging of <sup>13</sup>N-ammonia PET**  
Risako Nakao (Department of Cardiology, Tokyo Women's Medical University, Tokyo)
- OE24-6 Abdominal Obesity Predicts Lower Heart to Mediastinum Ratio in Heart Failure Patients with Preserved Ejection Fraction (HFpEF)**  
Akihiro Sunaga (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)
- OE24-7 Combination C-reactive Protein/Serum Albumin Ratio and Coronary Flow Reserve could Predict All-cause Mortality of Hemodialysis Population**  
Norio Umemoto (Department of Cardiology, Ichinomiya Municipal Hospital, Ichinomiya)
- OE24-8 Impact in Predictability of Combination Coronary Flow Reserve and Geriatric Nutrition Risk Index for All-cause Mortality in Hemodialysis Population**  
Satoru Ohshima (Department of Cardiology, Nagoya Kyoritsu Hospital, Nagoya)
- OE24-9 Left Ventricular Contractile Entropy can Predict the Presence of Chronic Total Occlusion in Coronary Artery Disease**  
Masato Shimizu (Department of Cardiology, Yokohama Minami Kyosai Hospital, Yokohama)

## Oral Presentation (English) 25 (CAD)

March 30 (Sat) 16 : 50—18 : 20  
418, 4F, Conference Center

### Coronary Revascularization/PCI (Complex Lesions)

Chairpersons :

Satoru Otsuji (Department of Cardiology, Higashi Takarazuka Satoh Hospital, Takarazuka)  
Yoshito Yamamoto (Department of Cardiology, Iwaki City Medical Center, Iwaki)

- OE25-1 Prognostic Value of Thermodilution Coronary Flow Capacity in Patients with Deferral of Revascularization**  
Masahiro Hoshino (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- OE25-2 Second-generation versus First-generation Drug-eluting Stents in True Bifurcation Coronary Lesions**  
Nobuaki Suzuki (Fourth Department of Internal Medicine, Teikyo University Mizonokuchi Hospital, Kawasaki)
- OE25-3 PCI Using Sirolimus-eluting Stents Only versus CABG in Patients with Multi-vessel Coronary Artery Disease (From the CREDO-Kyoto PCI/CABG registry/cohort-2)**  
Hiroki Watanabe (Division of Cardiology, Red Cross Wakayama Medical Center, Wakayama)
- OE25-4 Protective Effect for Side Branch by Jailed Balloon Technique to Coronary Bifurcation Lesion: Multicenter Study**  
Hitoshi Anzai (Department of Cardiology, SUBARU Health Insurance Ota Memorial Hospital, Ota)
- OE25-5 Quality of Life in Patients with Refractory Angina after Chronic Total Occlusion Angioplasty**  
Taishi Hirai (Department of Cardiology, St. Luke's Mid America Heart Institute, USA)

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- OE25-6 Comparison of Two Major Japanese Multicenter Registries of Percutaneous Coronary Intervention for Chronic Total Occlusion**  
Shunsuke Matsuno (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- OE25-7 Predictive Factors for Target Vessel Failure in Patients Underwent Stent-less Percutaneous Coronary Intervention Using Directional Coronary Atherectomy**  
Kazushi Terada (Department of Cardiology, Takaoka Municipal Hospital, Takaoka)
- OE25-8 Two-Year Clinical Outcomes of Unprotected Left Main Coronary Bifurcation Lesion Treated by 2nd-Generation Drug-Eluting Stents**  
Takayuki Nakano (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima)
- OE25-9 5-Years Clinical Outcomes of Patients Underwent Percutaneous Coronary Intervention for Calcified Lesions with Rotational Atherectomy and Second-generation Drug Eluting Stent**  
Kenji Ogata (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)

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## 一般演題口述（日本語）23 (VD/RF)

3月30日(土) 16:50-18:20

会議センター 3階 [311+312]

### Kidney/Hypertension

座長:

山下 純世 (名古屋市立大学高度医療教育研究センター)

田中 文隆 (岩手医科大学 内科学心腎内分泌学分野)

- OJ23-1 Ankle-brachial Index Predicts Contrast-induced Acute Kidney Injury and Mortality after Percutaneous Coronary Intervention in Patients with Acute Coronary Syndrome**  
中橋 卓也 (高岡市民病院 循環器内科)
- OJ23-2 Hemodynamic Characteristics in Essential Hypertensive Patients with Target Organ Damage**  
岩嶋 義雄 (国立循環器病研究センター 高血圧・腎臓内科)
- OJ23-3 Higher Incidence of Cardiovascular and Cerebrovascular Complication in Patients with Primary Aldosteronism**  
亀村 幸平 (神鋼記念病院 循環器内科)
- OJ23-4 Hypertension Enhances the Association between Body Mass Index Categories and the Risk of Incident Cardiovascular Disease in Chronic Kidney Disease**  
田中 文隆 (岩手医科大学 腎・高血圧内科分野)
- OJ23-5 Lactate Level is a Useful Marker for Predicting Acute Kidney Injury in Patients with ST-segment Elevation Myocardial Infarction**  
合力 悠平 (宮崎市医師会病院 心臓病センター循環器内科)
- OJ23-6 Prognostic Value of Electrocardiographic Left Ventricular Hypertrophy on Cardiovascular Risk in Chronic Kidney Disease**  
古味 良亮 (岩手医科大学 腎高血圧内科)
- OJ23-7 The Prediction of Contrast-induced Acute Kidney Injury by Urinary Specific Gravity in Patients with ST-segment Elevation Myocardial Infarction**  
国府田 尚矢 (茨城県立中央病院 循環器内科)
- OJ23-8 Urinary D-serine Level as a Predictive Biomarker for Deterioration of Renal Function in Patients with Atherosclerotic Risk Factors**  
岩川 英弘 (秋田大学 循環器内科学)
- OJ23-9 Continuous Blood Pressure Control Inhibits New Presence of Proteinuria in Diabetic Patients**  
副島 弘文 (熊本大学 循環器内科)

## 一般演題口述（日本語）24 (A)

3月30日(土) 14:10-15:40

会議センター 3階 [313+314]

### Arrhythmia, Epidemiology & Registry

座長:

加藤 律史 (埼玉医科大学国際医療センター 心臓内科・不整脈科)

箕浦 慶乃 (東京労災病院 健康診断部)

- OJ24-1 Current Anti-Arrhythmic and Rate Control Therapies Use in Elderly Non-Valvular Atrial Fibrillation Patients: Sub-Analysis of ANAIFE Registry**  
池田 隆徳 (東邦大学 内科学講座・循環器内科学分野)
- OJ24-2 Factors Contributing to the Selection of Anti-coagulant in Elderly NVAF Patients: Sub-analysis of the ANAFIE Registry**  
清水 渉 (日本医科大学)
- OJ24-3 Comparison of Warfarin and DOACs as Periprocedural Oral Anticoagulation Therapy in Catheter Ablation of Atrial Fibrillation: J-CARAF Study 2011-2017**  
村川 裕二 (帝京大学溝口病院 第四内科)
- OJ24-4 Age-related Differences in Clinical Characteristics and Treatment of Elderly Patients with Atrial Fibrillation in Japan: Insight from the ANAFIE Registry**  
日浅 謙一 (九州大学 循環器内科学)
- OJ24-5 Machine Learning for Predicting the Mortality, Thromboses, and Major Bleeding in Patients with Atrial Fibrillation: J-Rhythm Registry Sub-analysis**  
渡邊 英一 (藤田医科大学 循環器内科学)
- OJ24-6 Clinical Characteristics of Isolated Diastolic Dysfunction in Patients with Paroxysmal Atrial Fibrillation Assessed by Japanese Circulation Society 2017 Guideline**  
小島 香 (岩手医科大学 循環器内科)

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**OJ24-7 The Impact of Pulse Rate on Mortality and Morbidity in Patients with Atrial Fibrillation: The Fushimi AF Registry**

井口 守丈 (京都医療センター 循環器内科)

**OJ24-8 One-year Discontinuation Rate of Oral Anticoagulants in the Real-world Patients with Atrial Fibrillation: Result from the Multicenter Outpatient-Based Registry (KiCS-AF)**

市原 元気 (慶應義塾大学 循環器内科)

**OJ24-9 A Multicenter Registry of Catheter Ablation for Atrial Fibrillation with the Second Generation Cryoballoon: From the BREAK-AF Study**

吉澤 尚志 (京都大学 循環器内科)

**一般演題口述 (日本語) 25 (A)**

3月30日(土) 16:50-18:20

会議センター 3階 [313+314]

**Pacemaker & Lead Extraction**

座長:

三谷 治夫 (虎の門病院 循環器センター内科)

関口 幸夫 (筑波大学 循環器内科)

**OJ25-1 Permanent His Bundle Pacing in Atrioventricular Block: The Utility of Distal His Bundle Electrogram Mapping**

加藤 寛之 (JCHO中京病院 循環器内科)

**OJ25-2 A Comparison of Hemodynamic Parameters between His Bundle Pacing and Biventricular Pacing in CRT-indicated Patients with Left Bundle Branch Block**

水野 智章 (JCHO中京病院 循環器内科)

**OJ25-3 Reversible Change of Atrioventricular Conduction Disorders in Permanent Pacemaker Patients after Transcatheter Aortic Valve Implantation**

林 英守 (順天堂大学 循環器内科学)

**OJ25-4 Reconsidering the Mechanism of Selective His Bundle Pacing (From the Anatomical Investigation of His Bundle Structure)**

井川 修 (日本医科大学多摩永山病院 内科・循環器内科)

**OJ25-5 Permanent His-Bundle Pacing: Predictors of Superior Pacing Threshold**

三戸 森見 (土谷総合病院 循環器内科)

**OJ25-6 Waveform Features of Paced 12-lead Electrogram in Complete Atrioventricular Block with Heart Failure**

廣木 次郎 (亀田総合病院 循環器内科)

**OJ25-7 Safety and Effectiveness of Pacemaker and Implantable Cardioverter Defibrillator Leads Using a Excimer Laser Sheath**

永島 道雄 (小倉記念病院 循環器科)

**OJ25-8 Investigation of Lead Adhesion Site and Degree of Adhesion over Time in Patients with Lead Extraction**

関川 雅裕 (東京医科歯科大学 循環器内科)

**OJ25-9 Transvenous Lead Extraction of Non-infectious Abandoned Leads during Lead Revisions and Upgrades of Cardiac Implantable Electronic Devices**

樋口 諭 (東京女子医科大学 循環器内科学)

**一般演題口述 (日本語) 26 (HF/CM)**

3月30日(土) 14:10-15:40

会議センター 4階 [419]

**Heart Failure (Pharmacology)**

座長:

宮田 昌明 (鹿児島市立病院 循環器内科)

久武 真二 (東邦大学医療センター大森病院 循環器内科)

**OJ26-1 演題取下げ**

**OJ26-2 Glucose-dependent Diuresis in Relation to Nephroprotective Effect of Sodium-glucose Transporter-2 Inhibitors in Patients with Diabetes-related Hospitalized Heart Failure**

池田 祐毅 (北里大学 循環器内科学)

**OJ26-3 Beta-blockers for Heart Failure Patients with Atrial Fibrillation: An Analysis of HIJ-HF II Multicenter Cohort Study**

大藪 謙次郎 (東京女子医科大学 循環器内科学)

- OJ26-4 Association between Bisoprolol Serum Concentration and Worsening of Heart Failure (CVI ARO 6)**  
有田 卓人 (心臓血管研究所 循環器内科)
- OJ26-5 Optimal Timing to Start Tolvaptan for Renoprotective Effect in Hypertensive Heart Failure Rats could be Hypertrophy Phase**  
崔 星河 (筑波大学 循環器内科)
- OJ26-6 Optimal Starting Dose of Tolvaptan in Heart Failure Treatment**  
加藤 隆寛 (愛知医科大学 薬剤部)
- OJ26-7 Who Needs Tolvaptan Therapy in the Management for Acute Decompensated Heart Failure?: An Insight from KCHF Registry**  
西川 隆介 (静岡県立総合病院 循環器科)
- OJ26-8 Mineralocorticoid Receptor Antagonists are Effective in Heart Failure Patients with Stage 4 CKD**  
本田 誠一郎 (茨城西南医療センター病院 内科)
- OJ26-9 Prognostic Value of Polypharmacy in Patients with Heart Failure: 6-Month Follow-up from KICKOFF Registry**  
藤田 亮子 (枚方公済病院 循環器内科)

## 一般演題口述 (日本語) 27 (HF/CM)

3月30日(土) 16:50-18:20

会議センター 4階「419」

### Heart Failure (Non-Pharmacology)

座長:

高間 典明 (群馬大学 循環器内科)

葛西 隆敏 (順天堂大学 循環器内科)

- OJ27-1 Bariatric Surgery is Associated with Reduced Rate of Heart Failure Exacerbation among Obese Patients with Heart Failure**  
Yuichi J. Shimada (Columbia University Medical Center, USA)
- OJ27-2 Lag Effect of Ambient Temperature and Atmospheric Pressure Associates the Incident of Acute Heart Failure Admissions**  
神馬 崇宏 (東京都CCUネットワーク学術委員会)
- OJ27-3 Current Status of Palliative Care for Heart Failure; From the Clinical Experience of a General Hospital**  
西畑 庸介 (聖路加国際病院心血管センター 循環器内科)
- OJ27-4 A Predictive Model for 6-months Mortality in Elderly Patients with Heart Failure: A Sub-analysis of the CURE- HF Registry**  
丸山 拓哉 (長野県厚生連篠ノ井総合病院 循環器科)
- OJ27-5 Aggressive Sodium Restriction in Chronic Heart Failure: 6g vs. 3g a Randomized Clinical Trial**  
小林 献 (東京女子医科大学 循環器内科学)
- OJ27-6 Impact of Acute Kidney Injury on Mortality in Patients with Acute Decompensated Heart Failure Complicated with Tricuspid Regurgitation**  
高谷 陽一 (国立循環器病研究センター 心臓血管内科)
- OJ27-7 Impact of Diuretic Response on Differentiation of Acute Kidney Injury at Risk of Mortality in Acute Decompensated Heart Failure Patients**  
高谷 陽一 (国立循環器病研究センター 心臓血管内科)
- OJ27-8 Risk Factors of Complications Due to Driveline Infection in Patients with Long-term Implantable Left Ventricular Assist Device Support**  
井上 堯文 (東京大学 心臓外科)
- OJ27-9 Validity of Estimated 5-year SCD Risk by ESC Guideline in Japanese Hypertrophic Cardiomyopathy Patients with Implantable Cardioverter Defibrillato**  
仲野 美代 (千葉大学 循環器内科学)

## ベストポスターセッション 4 (VD/RF)

3月30日(土) 15:00-15:50

展示ホール

### Vascular Disease/Risk Factors

座長:

東 幸仁 (広島大学原爆放射線医科学研究所 ゲノム障害医学研究センター ゲノム障害病理研究分野 再生医科学部門)

足立 健 (防衛医科大学校 循環器内科)

- BP4-1 Impact of Proteinuria and Acute Kidney Injury on Clinical Outcomes in Japanese Acute Myocardial Infarction Patients with Chronic Kidney Disease**  
佐藤 良太 (熊本大学 循環器内科)
- BP4-2 Clinical Characteristics of Cardiac Responders to Renal Transplantation**  
飯野 貴子 (秋田大学 循環器内科学)
- BP4-3 Ninj 1 Improves Tissue Ischemia through Maturation of Microvessels Independently of Collateral Circulation**  
菱島 暁帆 (旭川医科大学 内科学講座 循環・呼吸・神経病態内科学分野)
- BP4-4 Impairment of Smooth Muscle Proliferation and Tissue Repair during the Development of Aortic Dissection**  
加瀬 聖也 (久留米大学 内科 心臓・血管内科)
- BP4-5 Intermittent Hypoxemia Due to Sleep-disordered Breathing: Relationship to Atrial Fibrillation in Patients with Aortic Stenosis**  
澤渡 浩之 (広島大学 医歯薬保健学研究所 成人健康学)
- BP4-6 Differential Impact of Home Blood Pressure and Risk of Incident Stroke and Coronary Artery Disease Stratified by Subclinical Myocardial Damage**  
清水 勇人 (自治医科大学 循環器内科学)
- BP4-7 Establishment of an Enzyme-linked Immunosorbent Assay for Oxidized High Density Lipoprotein and Its Clinical Significance for Cardiovascular Risk Assessment**  
岡田 健志 (大阪大学 循環器内科学)

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## Poster Session (English) 39 (CAD)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Coronary Revascularization (Complex Lesions) 1

Chairpersons :

Shigeru Nakamura (Kyoto Katsura Hospital Cardiovascular Center, Kyoto)

Shingo Hosogi (Department of Cardiology, Kochi Health Sciences Center, Kochi)

- PE39-1 Randomized Comparison between 2-Link Design Biolimus A9-Eluting Stent and 3-Link Design Everolimus-eluting Stent in Patients with True Coronary Bifurcation Lesions**  
Masahiro Yamawaki (Department of Cardiology, Saiseikai Yokohama City Eastern Hospital, Yokohama)
- PE39-2 Prevalence of Vulnerable Plaque in Relation to the Physiological Stenosis Severity Determined by Fractional Flow Reserve and Coronary Flow Reserve**  
Masahiro Hoshino (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- PE39-3 Prognostic Value of the Presence of Calcified Plaque in Left Main Coronary Artery Detected by IVUS in Patients with ACS**  
Haruhito Yuki (Cardiovascular Division, Tsuchiura Kyodo Hospital, Tsuchiura)
- PE39-4 Acute and Mid-term Results of Drug Coated Balloon Following Rotational Atherectomy**  
Taito Nagai (Cardiovascular Center, Kyoto Katsura Hospital, Kyoto)
- PE39-5 Efficacy of the Ultra-short Side Branch Balloon Dilatation in Coronary Bifurcation Stenting as an Alternative to Kissing Balloon Inflation**  
Yoshinobu Murasato (Department of Cardiology, National Hospital Organization, Kyushu Medical Center, Fukuoka)
- PE39-6 Tip Detection by Using the New Short Tip with Pull-back System IVUS Facilitates IVUS Guided 3D Re-Wiring in CTO PCI**  
Atsunori Okamura (Department of Cardiology, Sakurabashi-Watanabe Hospital, Osaka)
- PE39-7 Mid-term Clinical Outcomes of Complex Percutaneous Coronary Intervention Procedure in Patients with Coronary Artery Disease**  
Hirohisa Endo (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)

## Poster Session (English) 40 (CAD)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Coronary Revascularization (Complex Lesions) 2

Chairpersons :

Yoshihide Fujimoto (Department of Cardiovascular Medicine, Chiba University Graduate School of Medicine, Chiba)

Satoko Tahara (Cardiovascular Department, New Tokyo Hospital, Matsudo)

- PE40-1 The Impact of Excimer Laser Coronary Angioplasty on Stent Expansion Assessed by Optical Coherence Tomography in Severely Calcified Lesions**  
Tetsumin Lee (Department of Interventional Cardiology, Tokyo Medical and Dental University, Tokyo)
- PE40-2 Two-year Outcomes of Second-generation Drug-eluting-Stent Implantation for Unprotected Left Main Coronary Artery Disease**  
Takayuki Nakano (Department of Cardiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima)
- PE40-3 N-terminal Pro-brain Natriuretic Peptide can Predict Clinical Outcome in Left Main Coronary Artery Disease**  
Janghoon Lee (Kyungpook National University Hospital, Korea)
- PE40-4 Mid-term Outcomes of Full-metal Jacket Stenting with Second-generation Drug-eluting-stent Implantation Compere with First-generation DES**  
Goro Yoshioka (Miyazaki Medical Association Hospital Cardiovascular Center, Miyazaki)
- PE40-5 Long-Term Outcomes in Unprotected Left Main Coronary Artery Disease: CABG and PCI at a Korean Center**  
Kai Song (Department of Cardiology Dong-A University Hospital, Korea)
- PE40-6 Comparison of Adverse Cardiac Event Incidence between Proximal Optimization and Kissing Balloon Technique after Stent Implantation for Coronary Bifurcated Lesion**  
Yota Kawamura (Tokai University Hachioji Hospital, Hachioji)
- PE40-7 Long-Term Clinical Outcomes after PCI versus CABG in Patients with Unprotected Left Main Coronary Artery Disease**  
Takeshi Nishida (Department of Cardiology, The Sakakibara Heart Institute of Okayama, Okayama)

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**Poster Session (English) 41 (A)**

March 30 (Sat) 15 : 50 – 16 : 40  
Exhibition Hall

**AF, Predictors 3**

Chairpersons :

Hirosuke Yamaji (Heart Rhythm Center, Okayama Heart Clinic, Okayama)  
Katsunori Okajima (Department of Cardiology, Kakogawa Central City Hospital, Kakogawa)

- PE41-1 The Association between Hyperuricemia and Atrial Fibrillation Recurrence after Catheter Ablation**  
Hirotsuna Oseto (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- PE41-2 The Utility and Limitation of Low Voltage Zones as a Predictor in Long-Term Outcome of Trigger-Based Atrial Fibrillation Ablation**  
Takuya Omuro (Department of Clinical Laboratory Science, Yamaguchi University Graduate School of Medicine, Ube)
- PE41-3 Absence of Low Voltage Zone in Left Atrium Predicts Better Reverse Remodeling of Left Atrium after Atrial Fibrillation Ablation**  
Toyokazu Otsubo (Department of Cardiovascular Medicine, Saga University, Saga)
- PE41-4 Electrocardiogram Characteristics of the P-Wave Associate with Successful Pulmonary Vein Isolation: Significance of Changes in P-Wave Duration and Notched P-Wave**  
Satoshi Yanagisawa (Department of Advanced Cardiovascular Therapeutics, Nagoya University Graduate School of Medicine, Nagoya)
- PE41-5 Impact of Rapid Activated-electrogram Guide Ablation Plus Linear Ablation on Clinical Outcome in Non-paroxysmal Atrial Fibrillation Patients**  
Seigo Yamashita (Department of Cardiology, The Jikei University School of Medicine, Tokyo)
- PE41-6 Impact of Aging on Left Atrium Fibrotic Remodeling and Ablation Outcomes in Patients with Atrial Fibrillation**  
Yuya Takahashi (Department of Cardiovascular Medicine Saga University, Saga)
- PE41-7 Prediction of Very Late Recurrence of Atrial Arrhythmias after an Initial Atrial Fibrillation Ablation Session**  
Yuhi Fujimoto (Department of Cardiovascular Medicine, Nippon Medical School, Tokyo)

**Poster Session (English) 42 (A)**

March 30 (Sat) 15 : 50 – 16 : 40  
Exhibition Hall

**ANS**

Chairpersons :

Hisayoshi Murai (Department of Cardiology, Kanazawa University, Kanazawa)  
Takanori Arimoto (Department of Cardiology, Pulmonology, and Nephrology, Yamagata University School of Medicine, Yamagata)

- PE42-1 Impact of Pulmonary Vein Isolation on Nocturnal Blood Pressure and Autonomic Nervous system in Patients with Paroxysmal Atrial Fibrillation**  
Tadashi Wada (Iwakuni Clinical Center, Iwakuni)
- PE42-2 Combined Assessment of Cardiac Autonomic Modulation Used to Predict Mortality in Structural Heart Disease Patients with Preserved LVEF**  
Toshio Kinoshita (Department of Cardiovascular Medicine, Toho University Faculty of Medicine, Tokyo)
- PE42-3 Intravenous Ivabradine Affects Dynamic Characteristics of Neither Neural nor Peripheral Arc of Arterial Baroreflex**  
Toru Kawada (Department of Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita)
- PE42-4 Diurnal Variation of Frequency Domain T Wave Alternans on 24-hour Ambulatory Electrocardiogram in Subjects without Heart Disease**  
Kenichi Hashimoto (Department of Intensive Care Medicine, National Defence Medical College, Saitama)
- PE42-5 Prognostic Significance of Electrocardiographic Changes after Subarachnoid Hemorrhag**  
Takao Yuba (Department of Cardiology, Tokyo Metropolitan Bokutoh Hospital, Tokyo)
- PE42-6 Association between Left Atrial Enlargement and Subsequent Thromboembolic Events in Non-valvular Atrial Fibrillation Patients with Low Clinical Embolic Risk**  
Kee-Joon Choi (Asan Medical Center, Korea)
- PE42-7 Impact of Balloon-based Atrial Fibrillation Ablation on Cardiac Autonomic Nerve Activity: A Comparison between Cryoballoon and HotBalloon Ablation**  
Takehito Sasaki (Division of Cardiology, Gunma Prefectural Cardiovascular Center, Maebashi)

## Poster Session (English) 43 (A)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Anticoagulation

Chairpersons :

Yasuhiro Yokoyama (Cardiology, St. Luke's International Hospital, Tokyo)

Kazuaki Kaitani (Department of Cardiovascular Medicine, Otsu Red Cross Hospital, Otsu)

- PE43-1 Lower Dose Apixaban Therapy in Patients with Renal Dysfunction and Non-valvular Atrial Fibrillation: Observation Using Plasma Concentration Levels**  
Michihiro Suwa (Department of Cardiology, Hokusetsu General Hospital, Takatsuki)
- PE43-2 Characteristics, Outcomes, and Quality of Life in Atrial Fibrillation Patients Receiving Rivaroxaban within the Real-world Outpatient Based Registry**  
Kenji Hashimoto (Department of Cardiology, Keio University School of Medicine, Tokyo)
- PE43-3 Predictors for Reduced Flow Velocity of Left Atrial Appendage during Sinus Rhythm in Patients with Atrial Fibrillation**  
Eiji Fukuhara (Cardiovascular Division, Department of Internal Medicine, Hyogo College of Medicine, Nishinomiya)
- PE43-4 Evaluation of Safety Outcome Using Direct Oral Anticoagulants in Patients with Atrial Fibrillation and Concomitant Renal Dysfunction**  
Ryo Wada (Department of Cardiovascular Medicine, Toho University Omori Medical Center, Tokyo)
- PE43-5 Twelve-year Trend of Anticoagulation Use and Thromboembolic Events and Major Bleeding in Patients with Non-Valvular Atrial Fibrillation**  
Naoharu Yagi (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- PE43-6 Impact of VKORC1, CYP2C9 and CYP4F2 Polymorphisms on Optimal Warfarin Dose in Koreans: Ethnicity Matters**  
Jia Xin Li (Department of Cardiology Dong-A University Hospital, Korea)

## Poster Session (English) 44 (HF/CM)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Heart Failure Biomarker 1

Chairpersons :

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

Toshikazu Tanaka (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)

- PE44-1 The Relationship between the Changes of Cardiac Acoustic Biomarkers and Disease Status in Patients with Acute Decompensated Heart Failure**  
Jun Shitara (Department of Cardiovascular Medicine, Juntendo University Graduate School of Medicine, Tokyo)
- PE44-2 Relationship between Enhanced Liver Fibrosis Score and Liver Fibrogenesis Marker Type IV Collagen 7S in Patients with Acute Heart Failure**  
Kenji Aida (Osaka Red Cross Hospital, Cardiovascular Center, Division of Cardiology, Osaka)
- PE44-3 Survival Prediction in Acute Decompensated Heart Failure with Simple Risk Score; A2B Score**  
Yasuki Nakada (Department of Cardiovascular Medicine, Nara Medical University, Kashihara)
- PE44-4 Verification of Selective Arterial Blood Sampling for the Assessment of Short-term Mortality in Acute Decompensated Heart Failure**  
Kunihiko Takahara (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)
- PE44-5 The Prognostic Impact of Worsening and Improved Renal Function in Acute Decompensated Heart Failure with and without Plasma Volume Expansion**  
Tutomu Kawai (Department of Cardiology, Osaka General Medical Center, Osaka)
- PE44-6 The J-curve Relationship between Admission Glucose Level and 1-year Mortality in Patients with Acute Heart Failure**  
Eiichi Akiyama (Division of Cardiology, Yokohama City University Medical Center, Yokohama)
- PE44-7 Factors Associated with Increased Levels of Serum Brain Natriuretic Peptide and Cardiac Troponin I during the Peripartum Period**  
Yuki Kimura (Cardiovascular Center, Tazuke Kofukai Medical Research Institute, Kitano Hospital, Osaka)

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## Poster Session (English) 45 (HF/CM)

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March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Heart Failure Biomarker 2

Chairpersons :

Makoto Kawai (Division of Cardiology, Department of Internal Medicine, The Jikei University School of Medicine, Tokyo)

Yasuo Sugano (Division of Cardiovascular Medicine, Keiyu Hospital, Yokohama)

**PE45-1 Liver Stiffness Assessed by Fibrosis-4 Index Using Serum Biomarkers is Associated with Right Ventricular Dysfunction and Cardiovascular Prognosis of HFpEF**

Mitsutaka Nakashima (Department of Cardiovascular Medicine, National Hospital Organization Iwakuni Clinical Center, Iwakuni)

**PE45-2 Annual Change in Blood Urea Nitrogen and the Prognosis in Chronic Heart Failure**

Hiroko Oshio (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)

**PE45-3 The Association between Diabetes Mellitus and Worsening Renal Function in Patients with Acute Decompensated Heart Failure with Preserved Ejection Fraction**

Bolrathanak Oeun (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

**PE45-4 Regulatory Mechanism of Plasma Arginine Vasopressin Level in Patients with Severe Aortic Stenosis is Different from That of HFrEF Patients**

Hiroyuki Kuwahara (Department of Second Medicine, Toyama University, Toyama)

**PE45-5 Prognostic Impact of Discharge Serum Chloride Levels in Heart Failure Patients: An Analysis of HIJ-HF II Multicenter Cohort Study**

Akihiro Osada (Department of Cardiology, Tokyo Woman's Medical University Hospital, Tokyo)

**PE45-6 Impact of Skeletal Muscle Loss on Post-discharge Quality of Life in Heart Failure Patients**

Susumu Odajima (Department of Cardiology, Hyogo Prefectural Awaji Medical Center, Sumoto)

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## Poster Session (English) 46 (HF/CM)

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March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Heart Failure Diagnosis

Chairpersons :

Mitsunori Iwase (Department of Cardiology, Toyota Memorial Hospital, Toyota)

Kaoru Dohi (Department of Cardiology and Nephrology, Mie University Graduate School of Medicine, Tsu)

**PE46-1 Influence of Repeated Hospitalizations on Long-term Outcome for Acute Decompensated Heart Failure**

Kanae Su (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

**PE46-2 Admission, Discharge, or In-Hospital Change of Get with the Guidelines-HF Risk Score and All-cause Mortality in Patients Admitted for ADHF**

Shunsuke Tamaki (Division of Cardiology, Osaka General Medical Center, Osaka)

**PE46-3 Get with the Guidelines-HF Risk Score is Useful for the Prediction of Mode of Death in Patients Admitted for ADHF**

Shunsuke Tamaki (Division of Cardiology, Osaka General Medical Center, Osaka)

**PE46-4 Factors Associated with Disproportionately Lower BNP Level at Admission in Patients with Acute Decompensated Heart Failure**

Kazushi Sakane (Department of Cardiology, Osaka Medical College, Takatsuki)

**PE46-5 Long-term Outcomes of Functional Decline during Hospitalization in Patients with Acute Decompensated Heart Failure**

Hidenori Yaku (Department of Cardiovascular Medicine, Kyoto University Graduate School of Medicine, Kyoto)

**PE46-6 Prognostic Impact of AHEAD Risk Score in Acute Decompensated Heart Failure: A Prospective Comparative Study with Age-adjusted Charlson Comorbidity Index**

Kiyomi Kayama (Osaka General Medical Center, Osaka)

## Poster Session (English) 47 (VD/RF)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Kidney

Chairpersons :

Junichi Ishii (Department of Joint Research Laboratory of Clinical Medicine, Fujita Health University School of Medicine, Toyoake)

Hisashi Kai (Department of Cardiology, Kurume University Medical Center, Kurume)

- PE47-1 Right Ventricular Systolic Pressure Predicts the Future Development of Atrial Fibrillation in Patients with End-stage Renal Disease**  
Hyemooon Chung (Kyung Hee University Medical Center, Korea)
- PE47-2 Comparison of Clinical Outcome between Patient with and without Hemodialysis after Endovascular Treatment with Heparin-bonded Covered Stent**  
Hirokazu Miyashita (Department of Cardiology, Shonan Kamakura General Hospital, Kamakura)
- PE47-3 Nocturia is a Predictor of Cardiovascular Events in the Elderly Population: Two-year Follow-up of Multicenter Observational Study**  
Shogo Matsui (Department of Cardiovascular Medicine, Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima)
- PE47-4 Impact of HDL to Major Adverse Limb Event in Hemodialysis Patients Due to Diabetic Nephropathy: From PREDICT Study**  
Tamon Kato (Department of Cardiology, Shinshu University School of Medicine, Matsumoto)
- PE47-5 Lipidic Atheroma under Intensive LDL-C Lowering Therapy in Patients with Chronic Kidney Disease: Near-infrared Spectroscopy Imaging Analysis**  
Takamasa Iwai (Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Suita)
- PE47-6 Association between Serum Uric Acid Level and Subtype of Hypertension**  
Moo-Yong Rhee (Dongguk University Ilsan Hospital, Korea)
- PE47-7 Rare Cardiovascular Manifestations in Autosomal Dominant Polycystic Kidney Disease**  
Hideaki Ohno (Department of Cardiovascular Surgery, Hidaka Hospital, Takasaki)

## Poster Session (English) 48 (VD/RF)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Lipid

Chairpersons :

Katsunori Ikewaki (Division of Neurology, Anti-Aging, and Vascular Medicine, Department of Internal Medicine, National Defense Medical College, Tokorozawa)

Yu Kataoka (Department of Cardiovascular Medicine, National Cerebral & Cardiovascular Center, Suita)

- PE48-1 Predictive Usefulness of Lipoprotein (a) for the Prevalence of Peripheral Artery Disease among Patients with Acute Coronary Syndrome**  
Ryo Okubo (Division of Cardiovascular Medicine, Department of Internal Medicine, Toho University Faculty of Medicine, Ota)
- PE48-2 Assessment of Appropriate Intensity of Lipid-lowering Therapy for Secondary Prevention of Coronary Artery Disease: Sub-analysis of the SHINANO 5-year Registry**  
Takahiro Sakai (Department of Cardiovascular Medicine, Shinshu University School of Medicine, Matsumoto)
- PE48-3 LDL-C Levels Affect the FFR Based Clinical Outcomes in Patient with Deferred Coronary Artery Stenosis**  
Kenji Iino (Department of Cardiovascular Medicine, Akita University Graduate School of Medicine, Akita)
- PE48-4 More- versus Less-intensive Lipid Lowering Therapy: Systematic Review and a Meta-analysis**  
Toshiaki Toyota (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
- PE48-5 Validation of the 2017 Japan Atherosclerosis Society Guidelines for Secondary Prevention in Stable Patients with Diabetes Mellitus after PCI**  
Morihiro Takeda (Department of Cardiovascular Medicine, International University of Health and Welfare Hospital, Nasushiobara)
- PE48-6 Lp (a) Reduction Using PCSK9 Inhibitor in Patients with Familial Hypercholesterolemia**  
Kan Yamagami (Department of Cardiovascular and Internal Medicine, Kanazawa University School of Medicine, Kanazawa)

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## Poster Session (English) 49 (SHD)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Mitral Valve

Chairpersons :

Kazuo Tanemoto (Department of Cardiovascular Surgery, Kawasaki Medical School, Kurashiki)

Natsuhiko Ehara (Department Cardiology, Kobe City Medical Center General Hospital, Kobe)

- PE49-1 Mechanism of Improvement of Atrial Functional Mitral Regurgitation after Catheter Ablation for Atrial Fibrillation: Three-Dimensional Analysis with Multislice Computed Tomography**  
Yuta Tsujisaka (Department of Cardiovascular Medicine, Kobe City Medical Center General Hospital, Kobe)
- PE49-2 Adverse Outcomes of Ischemic Mitral Regurgitation at 6-month after Myocardial Infarction: Possible Benefit of Early Intervention by Transcatheter Mitral-valve Repair**  
Toshiyuki Kimura (Department of Cardiology, Miyazaki Medical Association Hospital, Miyazaki)
- PE49-3 Accumulation of Coronary Risk Factors is Significantly Associated with Progression of Mitral Annulus Calcification in Patients Undergoing Dialysis Therapy**  
Hiroki Usuku (Department of Laboratory Medicine, Kumamoto University Hospital, Kumamoto)
- PE49-4 Prognostic Impact and Change of Concomitant Mitral Regurgitation after Transcatheter Aortic Valve Implantation**  
Masahiro Yamada (Division of Cardiology, Saiseikai Kumamoto Hospital, Cardiovascular Center, Kumamoto)
- PE49-5 Inappropriate Leaflet Remodeling as a Determinant of Functional Mitral Regurgitation Severity in Patients without Significant Mitral Valve Tethering**  
Atsushi Hayashi (Smidt Heart Institute, Cedars-Sinai Medical Center, USA)
- PE49-6 The Outcome of Surgery for Mitral Regurgitation Due to Atrial Dilatation**  
Maya Ishiguro (Department of Cardiology, Sakakibara Heart Institute, Fuchu)
- PE49-7 Short Term Effect for Decreasing Mitral Regurgitation in Patients with Aortic Stenosis Undergoing Balloon Aortic Valvuloplasty**  
Ryota Masaki (Division of Cardiology, Hyogo Prefectural Awaji Medical Center, Sumoto)

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## Poster Session (English) 50 (O)

March 30 (Sat) 15 : 50 – 16 : 40

Exhibition Hall

### Preventive Medicine/Epidemiology 1

Chairpersons :

Taku Inoue (Cardiovascular Medicine, Nambu Hospital, Itoman)

Mitsutoshi Oguri (Department of Cardiology, Kasugai Municipal Hospital, Kasugai)

- PE50-1 Impact of Nutrition Status on Clinical Outcomes in Patients with Bradycardia Pacemaker Implantation**  
Tetsuo Yamaguchi (Department of Cardiology, Japanese Red Cross Musashino Hospital, Tokyo)
- PE50-2 Malnutrition and High Neutrophil to Lymphocyte Ratio were Associated with Delirium Development in Patients with Acute Cardiovascular Disease**  
Yurina Sugita (Department of Cardiology, Juntendo University School of Medicine, Tokyo)
- PE50-3 The Use of Antihypertensive Medication, but not Optimal Blood Pressure was a Predictor of Endothelial Dysfunction: From FMD-J Study**  
Chisa Matsumoto (Department of Cardiology, Tokyo Medical University, Tokyo)
- PE50-4 Association between Excessive Supraventricular Ectopy and Subclinical Cerebrovascular Disease: A Population-Based Study**  
Takashi Hisamatsu (Department of Environmental Medicine and Public Health, Shimane University Faculty of Medicine, Izumo)
- PE50-5 PCSK9-inhibitor could Decrease Major Cardiocerebrovascular Events in Patients with Strong Statin**  
Tomohiro Yamaguchi (Department of Cardiovascular Medicine, Osaka City University, Osaka)
- PE50-6 Prediction of Risk of Mortality in Elderly Patients with Hypoalbuminemia**  
Hiroko Oshio (Department of Cardiovascular Medicine, The Cardiovascular Institute, Tokyo)
- PE50-7 The Implementation of Rapid Response System for Cardiovascular Ward**  
Hideki Arimoto (Emergency and Critical Care Medical Center, Osaka City General Hospital, Osaka)

## ポスターセッション（日本語）63 (CAD)

3月30日(土) 15:50-16:40

展示ホール

### Coronary Revascularization/PCI (DES) 4

座長:

滝澤 要 (JCHO仙台病院)

佐久間 理吏 (獨協医科大学 心臓・血管内科)

#### PJ063-1 A Novel Calcium Measurement, Calcium Rate, can Predict Stent Expansion in Calcified Lesions: Optical Coherence Tomographic Study

松廣 裕 (大阪労災病院 循環器内科)

#### PJ063-2 DAPT Score and Sarcopenia to Predict Major Bleeding Risk in Patients with Atrial Fibrillation Undergoing Newer Generation Drug-Eluting Stents Implantation

土田 圭一 (新潟市民病院 循環器内科)

#### PJ063-3 Five Year Outcomes of Patients with Lipid Rich Plaque Detected Three-dimensional Integrated-Backscatter IVUS in the Target Lesion after DES Implantation

大田 将也 (藤田医科大学 循環器内科)

#### PJ063-4 Drug Eluting Stents with Smaller Cell Design Affect to Residual In-stent Irregular Protrusion in Acute Coronary Syndrome

泉 大介 (伊勢赤十字病院 循環器内科)

#### PJ063-5 Effect of Febuxostat and Benzbromarone on Endothelial Function and Neointimal Coverage after Drug Eluting Stent

中村 仁 (大阪労災病院 循環器内科)

#### PJ063-6 Frequency of Type4a-Myocardial Infarction after Drug Eluting Stent Implantation for Elective Percutaneous Coronary Intervention

佐橋 勇紀 (岐阜大学 循環器内科)

#### PJ063-7 The Long-term Efficacy of PCI for the Calcified Lesions Using 2nd, and 3rd Generation Drug Eluting Stents with Rotational Atherectomy

藤本 肇 (東京都健康長寿医療センター 循環器内科)

## ポスターセッション（日本語）64 (CAD)

3月30日(土) 15:50-16:40

展示ホール

### Coronary Revascularization/PCI (New Devices/New Technology)

座長:

柴田 剛徳 (宮崎市医師会病院 循環器内科)

菊池 宏信 (東京大学 循環器内科)

#### PJ064-1 Comparison of Drug-coated Balloon Angioplasty and Implantation of Drug-eluting Stent after Directional Coronary Atherectomy

前中 基良 (高井病院 循環器内科)

#### PJ064-2 Early Experience of Orbital Atherectomy in Treating Calcified Coronary Lesions

田中 穰 (湘南鎌倉総合病院 循環器内科)

#### PJ064-3 Efficacy of Low Fluence and Repetition Rate 0.9 mm Excimer Laser Coronary Angioplasty for Acute Myocardial Infarction

永嶺 翔 (東京都立広尾病院 循環器科)

#### PJ064-4 The Impact of Percutaneous Coronary Intervention Using the Novel Instantaneous Wave-Free Ratio Roadmap System

矢部 敬之 (東邦大学 内科学講座 循環器内科学分野)

#### PJ064-5 Biodegradable versus Durable Polymer Drug-eluting Stent in Hemodialysis Patients with Coronary Artery Disease

伊藤 竜太 (名古屋共立病院 循環器内科)

#### PJ064-6 Importance of Measurement of Diameter of Distal Radial Artery on Distal Radial Approach from Anatomical Snuffbox before Coronary Catheterization

則松 賢次 (出水総合医療センター 循環器内科)

#### PJ064-7 The Prediction of Late Lumen Enlargement after Drug Coated Balloon Angioplasty

竹中 克彦 (国立病院機構九州医療センター 循環器内科、臨床研究センター)

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## ポスターセッション（日本語）65 (CAD)

3月30日(土) 15:50-16:40

展示ホール

### Coronary Revascularization/PCI (Restenosis/Others) 1

座長:

安岡 良典 (国立病院機構大阪南医療センター 循環器科)

小松 孝昭 (キッコーマン総合病院 循環器内科)

#### PJ065-1 Impact of the Paclitaxel-coating Balloon on Coronary Microcirculation

関 勝仁 (秋田大学 循環器内科学分野)

#### PJ065-2 CREDO-Kyoto Score could Predict All-cause Mortality but not Thrombotic or Bleeding Event in Hemodialysis Patients after Coronary Intervention

田中 一樹 (東京女子医科大学 循環器内科学)

#### PJ065-3 Gender Difference and Thirteen-year Temporal Trends in 3-year Outcomes after Percutaneous Coronary Intervention from Shinken Database

沼尾 嘉美 (板橋中央総合病院 循環器科)

#### PJ065-4 Characteristics of Recurrent In-stent Restenosis (ISR) after Second and Third Generation Drug-eluting Stent (DES) Implantation

下野 洋和 (中央病院 循環器内科)

#### PJ065-5 Comparison of the Clinical Outcomes after Revascularization for In-stent Restenosis between Bare-metal Stents and Drug-eluting Stents

山根 健一 (土谷総合病院心臓血管センター 循環器内科)

#### PJ065-6 Two-year Clinical Outcomes of Paclitaxel-Coated Balloon Treatment for In-stent Restenosis: Insights from a Multicenter Registry

大谷 拓史 (東京医科歯科大学 循環制御内科学)

#### PJ065-7 Usefulness of Nutritional Index for Elderly Patients of Coronary Artery Disease. Sub-analysis of the SHINANO 5years Registry

丸山 周作 (信州大学 循環器内科学)

## ポスターセッション（日本語）66 (CAD)

3月30日(土) 15:50-16:40

展示ホール

### Coronary Revascularization/PCI (Restenosis/Others) 2

座長:

吉町 文暢 (東海大学八王子病院 循環器内科)

多田 毅 (倉敷中央病院 循環器内科)

#### PJ066-1 The Impact of Hyperuricemia and Treatment on Patients after Percutaneous Coronary Intervention: From SHINANO Registry

永江 歩 (信州大学病院 循環器内科)

#### PJ066-2 The Impact of Diabetes and HbA1c on Elder-patients after Percutaneous Coronary Intervention: From SHINANO Registry

永江 歩 (信州大学 循環器内科学)

#### PJ066-3 Prevalence and Individual Impact of LEADERS-FREE Bleeding Risk Criteria in Japanese Patients Undergoing Percutaneous Coronary Intervention: From a Multicenter Registry

沼澤 洋平 (足利赤十字病院 循環器内科)

#### PJ066-4 The Impact of Optical Coherence Tomography Findings on In-stent Restenosis after Drug-eluting Stent Implantation in Patients on Chronic Hemodialysis

杉田 洋 (関西医科大学 第二内科)

#### PJ066-5 Percutaneous Coronary Intervention to Bypass Grafts in Patients with Prior Coronary Artery Bypass Graft

西川 慶 (榊原記念病院 循環器内科)

#### PJ066-6 Clinical Characteristics and Prognosis of Patients Treated with PCI before TAVI

貝原 俊樹 (聖マリアンナ医科大学 内科学 循環器内科学)

#### PJ066-7 5 Years Clinical Outcomes of PCI with New Generation DES and CABG for LMT Lesion

土井尻 達紀 (大和成和病院 循環器内科)

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## ポスターセッション（日本語）67 (CAD)

3月30日(土) 15:50-16:40

展示ホール

### Coronary Revascularization/PCI (Restenosis/Others) 3

座長:

高木 厚 (済生会川口総合病院 循環器内科)

田村 浩 (順天堂大学 循環器内科)

#### PJ067-1 Two-year Outcomes after Drug-coated Balloon Treatment for De-novo Coronary Lesions in Patients on Chronic Hemodialysis

伊藤 竜太 (名古屋共立病院 循環器内科)

#### PJ067-2 Impact of Tissue Morphology on Predicting Deteriorated Coronary Flow during Coronary Intervention for In-stent Restenosis: Insights from Intravascular Ultrasound

森下 瞬 (関西医科大学 第二内科)

#### PJ067-3 Predictors of Recurrent Restenosis after Paclitaxel-coated Balloon Angioplasty in Patients with Renal Failure Receiving Hemodialysis

坂田 篤 (倉敷中央病院 循環器内科)

#### PJ067-4 3-Years Angiographic Outcomes of Current Interventional Treatment Strategy for Drug-eluting Stent Restenosis Lesion

阪本 泰成 (済生会横浜市東部病院 循環器内科)

#### PJ067-5 Clinical Impact of Neointimal Tissue Characteristics in Patients Treated with Drug-coated Balloon for Newer-generation Drug-eluting Stent Restenosis

増田 久樹 (小倉記念病院 循環器内科)

#### PJ067-6 The Effect of Socioeconomic Status on Two-year Outcome of Patients Undergoing Percutaneous Coronary Intervention

樋口 藍 (慶應義塾大学)

#### PJ067-7 Impact of History of Cerebro-vascular Disease to the long-Term Outcomes after Percutaneous Coronary Intervention: Insights from the SHINANO 5-year Registry

中村 千枝 (信州大学 循環器内科)

## ポスターセッション（日本語）68 (A)

3月30日(土) 15:50-16:40

展示ホール

### AF, Cryoballoon 1

座長:

井野 秀一 (国民健康保険小松市民病院)

山内 康照 (横浜市立みなと赤十字病院 循環器内科)

#### PJ068-1 Cryoballoon Ablation, Even if No Additional Touch-up Ablation, can Have Better Outcome for Paroxysmal Atrial Fibrillation than Radiofrequency Catheter Ablation

大和田 真玄 (岩手医科大学 内科学講座 循環器内科分野)

#### PJ068-2 Left Atrium Antral and Carina Ablation can Reduce Nadir Temperature and Prolong Thawing Duration without Complete Occlusion by Cryoballoon

青柳 秀史 (聖路加国際病院ハートセンター)

#### PJ068-3 Reliability of Achieve™ Mapping Catheter for Confirmation of Pulmonary Vein Isolation after Cryoballoon Ablation

戸叶 隆司 (順天堂大学浦安病院 循環器内科)

#### PJ068-4 Experimental Study Regarding Anticoagulant Effects of Intravenous Edoxaban under the Circumstance of Excessive Hypothermia Provoked by Cryoballoon Application

小田 惇仁 (横浜市立みなと赤十字病院 心臓内科)

#### PJ068-5 Impact of Atrial Fibrillation Ablation on Cardiac Sympathetic Nervous System: A Prospective Randomized Comparative Study with Radiofrequency and Cryoballoon Ablation

川崎 真佐登 (大阪急性期・総合医療センター 心臓内科)

#### PJ068-6 Low Body Mass Index and Recurrence of Atrial Fibrillation after Cryoballoon Ablation: Multicenter BREAK-AF Registry

森田 純次 (小倉記念病院 循環器内科)

#### PJ068-7 Impact of Very Early and Late Early Recurrence after Cryoballoon Ablation for Paroxysmal Atrial Fibrillation

小正 晃裕 (京都大学 循環器内科学)

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## ポスターセッション（日本語）69 (A)

3月30日(土) 15:50-16:40

展示ホール

### AF, Cryoballoon 2, Outcome

座長:

山城 荒平 (高槻病院不整脈センター)

熊谷 浩司 (東北医科薬科大学 循環器内科)

#### PJ069-1 Temperature Profile of Cryoballoon Reflects the Outcome of Pulmonary Vein Isolation with 2<sup>nd</sup>-generation Cryoballoon

金城 貴士 (福島県立医科大学 不整脈病態制御医学講座)

#### PJ069-2 Prolongation of Mitral Isthmus Conduction after Cryoballoon Pulmonary Vein Ablation

徳竹 賢一 (東京慈恵会医科大学 循環器内科)

#### PJ069-3 Long-term Outcome of Second Generation Cryoballoon Ablation for Paroxysmal Atrial Fibrillation Compared with Radiofrequency Ablation

高野 寿一 (さいたま赤十字病院 循環器科)

#### PJ069-4 Effect of Cryoballoon Ablation in Extensive Ablation Strategy in Patients with Persistent Atrial Fibrillation

佐々木 毅 (災害医療センター 循環器科)

#### PJ069-5 Cryoballoon BOX-isolation for Left Atrial Posterior Wall Contributes to Reduction of Left Atrium Volume in Patients with Persistent Atrial Fibrillation

漆田 毅 (浜松医科大学 第三内科)

#### PJ069-6 Efficacy of Adenosine Testing for Outcomes after Cryoballoon Ablation of Atrial Fibrillation: -A Propensity Score-matched Analysis-

徳田 道史 (東京慈恵会医科大学 循環器内科)

#### PJ069-7 Second Generation Cryoballoon Ablation for Pulmonary Vein Isolation in Patients with Persistent Atrial Fibrillation

慶田 毅彦 (江戸川病院 循環器内科)

## ポスターセッション（日本語）70 (A)

3月30日(土) 15:50-16:40

展示ホール

### AF, Cryoballoon 3, Method

座長:

西角 彰良 (香川県立白鳥病院 内科(循環器内科))

堀内 大輔 (弘前大学 不整脈先進治療学講座)

#### PJ070-1 Repeat Ablation Procedure of Cryoballoon and Radiofrequency Ablation for Paroxysmal Atrial Fibrillation

徳田 道史 (東京慈恵会医科大学 循環器内科)

#### PJ070-2 Efficacy and Safety in Cryoballoon Ablation without Contrast Medium

牧野 裕一朗 (市立四日市病院 循環器内科学)

#### PJ070-3 Optimal Diameter of Pulmonary Vein Ostium for 2<sup>nd</sup> Generation 28-mm Cryoballoon Ablation for Atrial Fibrillation

黒川 早矢香 (日本大学 循環器内科)

#### PJ070-4 Comparison of the Efficacy and Safety of Pressure-guided Cryoballoon Ablation with Conventional Cryoballoon Ablation in Patients with Paroxysmal Atrial Fibrillation

山尾 一哉 (土浦協同病院 循環器内科)

#### PJ070-5 Characteristics Predicting Dormant Conduction after Cryoballoon Ablation

真下 優香 (湘南鎌倉総合病院 循環器内科)

#### PJ070-6 Impact of the Cryoballoon Ablation on Superior Vena Cava Conduction: Evaluation of Conduction and Ablation Outcomes Using Ultra High-resolution Mapping

久佐 茂樹 (土浦協同病院 循環器内科)

#### PJ070-7 Is Cryoballoon Pulmonary Vein Isolation Enough for Treatment of Atrial Fibrillation Recurrence after Point-by-Point Radiofrequency AF Ablation Strategy?

森井 誠士 (福岡大学 循環器内科学)

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## ポスターセッション（日本語）71 (A)

3月30日(土) 15:50-16:40

展示ホール

### Inhereditary Arrhythmia

座長:

白山 武司 (京都府立医科大学 循環器内科)

小川 正浩 (福岡大学 循環器内科)

**PJ071-1 Cardiac Events during Competitive Sports and Daily Activities in Children and Adolescents with Long QT Syndrome**

林 研至 (金沢大学 循環器病態内科学)

**PJ071-2 Lower Frequency of Classical Triad in Andersen-Tawil Syndrome Probands with De Novo KCNJ2 Mutations than Those with Familial Mutations**

服部 哲久 (国立循環器病研究センター研究所 分子生物学部)

**PJ071-3 Quinidine Therapy for Children with Brugada Syndrome**

渡部 誠一 (土浦協同病院 小児科)

**PJ071-4 Homozygous DSG2 Variants Cause Severe Phenotype in Arrhythmogenic Right Ventricular Cardiomyopathy**

園田 桂子 (国立循環器病研究センター 分子生物学部)

**PJ071-5 Evaluation of the 2018 Japanese Circulation Society Guidelines of Inherited Arrhythmias for the Risk Stratification in Patients with Brugada Syndrome**

若宮 輝宜 (国立循環器病研究センター 心臓血管内科)

## ポスターセッション（日本語）72 (A)

3月30日(土) 15:50-16:40

展示ホール

### SVT, New Technology

座長:

武藤 真広 (浜松医療センター 循環器科)

牧野 信彦 (大阪警察病院 循環器内科)

**PJ072-1 Hemodynamically Instable Atrioventricular Nodal Reentrant Tachycardia (AVNRT) is Related to Shorter Ventriculoatrial (VA) Intervals and Left Ventricular Diastolic Dysfunction**

後藤 健太郎 (青梅市立総合病院 循環器科)

**PJ072-2 Cryofreezing Catheter Ablation of Adenosine Triphosphate Sensitive Atrial Tachycardia**

平尾 龍彦 (横浜市立みなと赤十字病院 循環器科)

**PJ072-3 Emergence of Junctional Beats during Cryo-ablation of the Slow Pathway to Eliminate Atrioventricular Nodal Reentrant Tachycardia**

福田 怜子 (獨協医科大学埼玉医療センター 循環器内科)

**PJ072-4 Safety and Efficacy of Cryoablation in Patients with Supraventricular Arrhythmias**

宮本 康二 (Department of Cardiovascular Medicine, Mayo Clinic, USA)

**PJ072-5 Manifestation of Accessory Pathway by Inhibiting the Conduction of Atrioventricular Node Using Ultra-short-acting Intravenous Beta-1 Adrenergic Blocker**

金城 貴彦 (弘前大学 循環器内科)

**PJ072-6 A New Phenotype of Superior Type Fast-slow Atrioventricular Nodal Reentrant Tachycardia Mimicking Slow-fast Type**

飯塚 貴士 (群馬大学 循環器内科)

**PJ072-7 Differential Atrial Entrainment Pacing Predicts Ablation Site for Successfully Curing Slow-fast Atrioventricular Nodal Reentrant Tachycardia**

飯塚 貴士 (群馬大学 循環器内科)

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## ポスターセッション（日本語）73 (HF/CM)

3月30日(土) 15:50-16:40

展示ホール

### Heart Failure (Pathophysiology)

座長:

石瀬 久也 (富山西総合病院 循環器内科)

岡本 隆二 (三重大学 循環器内科学)

- PJ073-1 Long-term Prognostic Value of Systemic Arterial Pulsatility Index in Acute Decompensated Heart Failure Patients with and without Reduced LVEF**  
山田 貴久 (大阪急性期・総合医療センター)
- PJ073-2 Prognostic Impact of Chronic Obstructive Pulmonary Disease on Adverse Prognosis in Heart Failure Patients with Preserved Ejection Fraction: The JASPER Registry**  
佐藤 悠 (福島県立医科大学 循環器内科学講座)
- PJ073-3 Prognostic Impact of Worsening Renal Function in Heart Failure Patients with Preserved Ejection Fraction: A Report from the JASPER Registry**  
佐藤 悠 (福島県立医科大学 循環器内科学講座)
- PJ073-4 Short-term Prognostic Predictability of Echocardiographic Cardiac Contractility Parameters: Insights from PURSUIT-HFpEF Registry**  
中川 彰人 (尼崎中央病院 循環器内科)
- PJ073-5 Impact of Transition of Left Ventricular Ejection Fraction in Patients at Risk of Heart Failure: Report from the CHART-2 Study**  
青柳 肇 (東北大学 循環器内科学)
- PJ073-6 Lymph Vessel Proliferation on Cardiac Biopsy may Help for the Diagnosis of Cardiac Sarcoidosis**  
大江 由紀子 (国立循環器病研究センター 病理部)
- PJ073-7 Prognostic Value of Age-adjusted Charlson Comorbidity Index in Patients Admitted for Acute Decompensated Heart Failure with Reduced or Preserved LVEF**  
玉置 俊介 (大阪急性期・総合医療センター 心臓内科)

## ポスターセッション（日本語）74 (HF/CM)

3月30日(土) 15:50-16:40

展示ホール

### Heart Failure Basic

座長:

小原 幸 (京都薬科大学 臨床薬理学)

中川 靖章 (京都大学 循環器内科)

- PJ074-1 Sulfiredoxin Ameliorates Oxidative Stress-induced Cardiomyocyte Apoptosis and Mitochondrial Dysfunction by Inhibiting Oxidation of Peroxiredoxin 3**  
岡部 浩祐 (九州大学 循環器内科)
- PJ074-2 Augmented O-GlcNAcylation of Glycogen Synthase Kinase-3B and NF- $\kappa$ Bp65 Prevents Cardiac Hypertrophy Induced by Intermittent Hypoxia Relevant to Sleep Apnea**  
野村 篤生 (大阪医科大学 薬理学教室)
- PJ074-3 Angiotensin Receptor-Neprilysin Inhibitor Preserved Cardiac Function via Calcium Regulation in Mice Model of Atherosclerosis**  
末松 保憲 (福岡大学 心臓血管内科学)
- PJ074-4 Sirt7 Plays a Distinct Role in Cardiomyocyte in Response to Pressure Overload**  
山村 智 (熊本大学 生命科学研究所 循環器内科学分野)
- PJ074-5 Low-intensity Pulsed Ultrasound Ameliorates Diastolic Cardiac Dysfunction in Mice**  
門間 雄斗 (東北大学 循環器内科学)
- PJ074-6 Loss of HMGB2 Exacerbate Pressure Overload-induced Heart Failure in Mice**  
佐藤 迪夫 (熊本大学 生命科学研究所 分子遺伝学分野)
- PJ074-7 Tail-suspension Induced Sarcopenia is Associated with a Cardio-repair Malfunction after Myocardial Infarction in Mice**  
早坂 太希 (旭川医科大学 循環・呼吸・神経病態内科学)

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## ポスターセッション（日本語）75 (HF/CM)

3月30日(土) 15:50-16:40

展示ホール

### Heart Failure Pathophysiology 1

座長:

木内 俊介 (東邦大学 循環器内科学)

三浦 正暢 (東北大学 循環器内科学)

- PJ075-1 Pulmonary Vascular Resistance is Associated with Pulse Wave Velocity and Adverse Clinical Outcomes in Heart Failure with Preserved Ejection Fraction**  
中村 貴光 (山梨大学 第2内科)
- PJ075-2 Fatty Acids as Central Fuels for Overloaded Hearts: Estimation of Catabolism and Anabolism in vivo Pressure-overloaded Hearts**  
磯 達也 (群馬大学 循環器内科学)
- PJ075-3 Association of Nutrition Status and Liver Congestion in Patients with Reduced Ejection Fraction**  
小西 正三 (大阪大学 循環器内科学)
- PJ075-4 Relationship between Effective Arterial Elastance Obtained Invasively and Exercise Capacity in Patients with Heart Failure with Preserved Ejection Fraction**  
大森 拓 (三重大学 循環器腎臓内科)
- PJ075-5 The Relationship between Systolic Blood Pressure on Admission and Outcome in Very Elderly Patients with Acute Decompensated Heart Failure**  
津田 浩佑 (大阪医科大学 循環器内科)
- PJ075-6 Influence of Sympathetic Nerve Activity on Prognostic Impact of Anemia in Patients with Heart Failure**  
城宝 秀司 (富山大学 第二内科)
- PJ075-7 Increased Arterial Stiffness Plays a Key Role in the Development of Heart Failure in Patients with Higher Range Ejection Fraction**  
北田 修一 (名古屋市立大学 心臓・腎高血圧内科学)

## ポスターセッション（日本語）76 (HF/CM)

3月30日(土) 15:50-16:40

展示ホール

### Heart Failure Pathophysiology 2

座長:

河野 龍而 (蘇生会総合病院 循環器内科)

金森 寛充 (岐阜大学 病態情報解析医学)

- PJ076-1 The Hemodynamic Features of Heart Failure with Preserved Ejection Fraction and Right Ventricular Diastolic Dysfunction**  
原田 大輔 (射水市民病院 循環器内科)
- PJ076-2 Natriuretic Peptide Activates Thermogenic Actions and Improves Insulin Resistance through Adipose Tissue Browning in Diet-induced Obese Mice**  
木村 悠 (東京慈恵会医科大学 内科学講座 循環器内科)
- PJ076-3 Impact of Early Change in Systolic Blood Pressure during the First 24 Hour in Patients Hospitalized for Acute Pulmonary Edema**  
今西 純一 (神鋼記念病院 循環器内科)
- PJ076-4 Inverse Association between Activation of Adrenocorticotrophic Hormone and Plasma B-type Natriuretic Peptide in Patients with Cardiovascular Diseases**  
大井 悠平 (東京慈恵会医科大学 循環器内科)
- PJ076-5 Accumulation of Gold Nano-rods in the Failing Heart of Transgenic Mice with the Cardiac-specific Expression of TNF- $\alpha$**   
樋口 義洋 (九州大学別府病院 内科)
- PJ076-6 Long-term Prognostic Value of Pulmonary-Systemic Pressure Ratio in Patients Admitted with Acute Decompensated Heart Failure**  
山田 貴久 (大阪急性期・総合医療センター)
- PJ076-7 Prognostic Value of the Combination of Simple Risk Index and Geriatric Nutritional Risk Index in Acute Decompensated Heart Failure**  
山田 貴久 (大阪急性期・総合医療センター)

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## ポスターセッション（日本語）77 (HF/CM)

3月30日(土) 15:50-16:40

展示ホール

### Heart Failure Pathophysiology 3

座長:

浦部 由利 (北九州市立医療センター 循環器内科)

真野 敏昭 (関西労災病院 循環器内科)

- PJ077-1 Comparison of Prognostic Value with Subclinical Hypothyroidism and Low T3 Syndrome in Older Patients with Chronic Heart Failure**  
松村 憲太郎 (香川井下病院 循環器内科)
- PJ077-2 Hyponatremia Improvement was not Associated with One-year Outcomes in Patients with Acute Decompensated Heart Failure**  
田巻 庸道 (天理よろづ相談所病院 循環器内科)
- PJ077-3 Impact of Gastro-intestinal Bleeding on the Later Prognosis in Patients with Heart Failure**  
菅野 優紀 (福島県立医科大学 循環器内科学講座)
- PJ077-4 Characteristics and Outcomes of Diabetic Patients Hospitalized for Acute Decompensated Heart Failure**  
犬塚 康孝 (滋賀県立総合病院 循環器内科)
- PJ077-5 Pathological Role of Mismatch between Right and Left Ventricular Function in Pulmonary Edema**  
山本 昌良 (筑波大学 循環器内科)
- PJ077-6 Gender Difference in Patients Hospitalized for Acute Decompensated Heart Failure in Japan**  
山本 絵里香 (京都大学 循環器内科学)
- PJ077-7 Restoring Sinus Rhythm Immediately Outstrips Atrial Stunning in Patients with Long Persistent Atrial Fibrillation; Invasive Measurement of Left Atrial Pressure**  
土井 駿一 (聖マリアンナ医科大学 循環器内科)

## ポスターセッション（日本語）78 (VD/RF)

3月30日(土) 15:50-16:40

展示ホール

### Kidney 2

座長:

吉原 史樹 (国立循環器病研究センター 高血圧腎臓科)

林 睦晴 (藤田医科大学ばんだね病院 循環器内科)

- PJ078-1 Vessel Response Following Resolute Zotarolimus-eluting Stents Implantation in Patients Requiring Hemodialysis: OCT Analysis from RESOLUTE HD Study**  
藤本 匡伸 (愛知医科大学 循環器内科学)
- PJ078-2 Current Status of Bleeding Events after Dual Antiplatelet Therapy in Hemodialysis Patients Following Second-generation Drug-eluting Stent Implantation**  
清水 昭良 (産業医科大学 第2内科学)
- PJ078-3 Clinical Implication of Chronic Kidney Disease in Potential Myocardial Ischemia and Long-term Outcomes of Asymptomatic Patients with Diabetes Mellitus**  
若林 公平 (昭和大学江東豊洲病院循環器センター 循環器内科)
- PJ078-4 Influence of Chronic Kidney Disease on Coronary Plaque Components in Coronary Artery Disease Patients with Both Diabetes Mellitus and Hypertension**  
重本 英二 (福岡大学 循環器内科)
- PJ078-5 Cystatin C-based Estimated Glomerular Filtration for a Cardiovascular Assessment in a General Japanese Population: The Iwate Tohoku Medical Megabank Project**  
大崎 拓也 (岩手医科大学 循環器内科)
- PJ078-6 Decrease in eGFR and Cardiovascular Events in Patients Who Visited a Cardiovascular Hospital: Shinken Database Analysis**  
藤澤 友輝 (心臓血管研究所 循環器科)
- PJ078-7 The Impact of Kidney Dysfunction Category on the Clinical Outcome in Patients with Heart Failure**  
大瀧 陽一郎 (山形大学 第一内科)

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## ポスターセッション（日本語）79 (VD/RF)

3月30日(土) 15:50-16:40

展示ホール

### Lipid

#### 座長:

副島 弘文 (熊本大学 保健センター)  
樫本 孝志 (ひつもと内科循環器科医院)

- PJ079-1 Isolated Hypertriglyceridemia as a Residual Risk among Middle-aged Japanese Percutaneous Coronary Intervention Patients: Insights from a Real-world Database**  
澤野 充明 (慶應義塾大学 循環器内科)
- PJ079-2 Combination of the Levels of Low-density Lipoprotein Cholesterol and Non-high-Density Lipoprotein Cholesterol before Coronary Intervention is Associated with Cardiac Events**  
矢野 祐依子 (福岡大学 心臓血管内科学)
- PJ079-3 Parallel Comparison of Risk Factors between Coronary Organic Stenosis and Coronary Spastic Angina**  
小川 和男 (東京慈恵会医科大学 循環器内科)
- PJ079-4 Familial Hypercholesterolemia is High Risk of Cardiovascular Event Regardless of Age and Sex**  
今村 泰崇 (東京女子医科大学 循環器内科学)
- PJ079-5 Increase in Oxidized Low-density Lipoprotein Level According to Hyperglycemia in Patients with Cardiovascular Disease: A Study by Covariance Structure Analysis**  
山田 崇之 (東京慈恵会医科大学 循環器内科)
- PJ079-6 Remnant Lipoproteinemia as a Mediator of Relationship between LDL-lowering and Improvement of Endothelial Dysfunction in Patients with Coronary Artery Disease**  
中村 貴光 (山梨大学 第2内科)

## ポスターセッション（日本語）80 (IMG)

3月30日(土) 15:50-16:40

展示ホール

### ECG

#### 座長:

塚田 (哲翁) 弥生 (日本医科大学武蔵小杉病院 救急・総合診療センター 総合診療科)  
五十嵐 都 (筑波大学 循環器内科)

- PJ080-1 Clinical Usefulness of New R-R Interval Analysis Using Heart Rate Sensor WHS-1 to Identify Sleep Apnea Syndrome**  
有川 拓男 (獨協医科大学 心臓・血管内科)
- PJ080-2 Automatically Assessed P-wave Duration Predicts Cardiovascular Events Independently of Left Atrial Enlargement in Patients with Cardiovascular Risks: The J-HOP Study**  
横田 彩子 (自治医科大学 循環器内科学)
- PJ080-3 Electrocardiographic Changes in Patients with Severe Anthracyclines Related Cardiomyopathy**  
三室 嶺 (日本医科大学 循環器内科学)
- PJ080-4 Correlation between Prolongation of Coupling Interval of Premature Atrial Contraction and AF Recurrence after Second Catheter Ablation for Atrial Fibrillation**  
江神 康之 (大阪労災病院 循環器科)
- PJ080-5 Usefulness of Three Additional Electrocardiographic Chest Leads (V7, V8, and V9) in the Diagnosis of Takotsubo Cardiomyopathy**  
新井 健史 (小牧市民病院 循環器科)
- PJ080-6 Changes in the Parameters of Electrocardiogram of Fabry Disease Patients during Long-term Enzyme Replacement Therapy**  
森本 智 (東京慈恵会医科大学 内科学講座循環器内科)
- PJ080-7 Estimation of Morphology and Location of Left Descending Artery Lesion from Initial Electrocardiogram in ST-elevation Myocardial Infarction**  
藤井 敏晴 (東海大学 循環器内科)

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## ポスターセッション（日本語）81 (IMG)

3月30日(土) 15:50-16:40

展示ホール

### Echo/CT Myocardium

座長:

江波戸 美緒 (昭和大学藤が丘病院 循環器内科)

山野 倫代 (京都府立医科大学 循環器内科学)

#### PJ081-1 Regional Difference in Afterload Sensitivity of Myocardial Strain

中山 智仁 (大阪大学 機能診断科学講座)

#### PJ081-2 Changes in Left Ventricular Segmental Performance Evaluated by Speckle Tracking Imaging in Patients with Takotsubo Cardiomyopathy after Subarachnoid Hemorrhage

星野 直樹 (藤田医科大学 循環器内科学)

#### PJ081-3 Left Ventricular Diastolic Dysfunction Impairs the Function of Left Atrial Appendage

時岡 浩二 (岡山市立市民病院 循環器科)

#### PJ081-4 Utility of Three-dimensional Transesophageal Echocardiography for Measurement of Right Ventricle, Compared with Transthoracic Echocardiography; Validation by Cardiac Computed Tomography

山田 優 (筑波大学 循環器内科)

#### PJ081-5 Analysis of the Related Factors of Myocardial Delayed Enhancement on Dual Energy CT in Patients Who Suspected Coronary Artery Disease

矢田貝 菜津子 (鳥取大学 病態情報内科学分野)

#### PJ081-6 Heterogeneous Enhancement Detected by Multidetector Computed Tomography is Associated with Poor Myocardial Viability in Patients with Acute Myocardial Infarction

渡部 浩明 (茨城県立中央病院 循環器内科)

#### PJ081-7 Comparisons of Cancer Therapeutics-related Changes of Cardiac Function between Treatment Protocols for Breast Cancer

飯田 典子 (筑波大学 検査部)

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## ポスターセッション（日本語）82 (IMG)

3月30日(土) 15:50-16:40

展示ホール

### Nuclear Coronary/Myocardium 1

座長:

門上 俊明 (福岡県済生会二日市病院 循環器内科)

松尾 信郎 (金沢大学 先進予防医学研究科)

#### PJ082-1 Verification of Ischemia Induced Left Ventricular Dyssynchrony: Investigated with Myocardial Flow Reserve Evaluated by D-SPECT System

木曾 啓祐 (国立循環器病研究センター 放射線診療部)

#### PJ082-2 Influence of Body Weight on Detection of Coronary Artery Disease by Low Dose Myocardial Perfusion Imaging with a Multifocal Collimator

花島 陽平 (国立病院機構相模原病院 循環器科)

#### PJ082-3 The Impact of Admission Blood Glucose Levels on Myocardial Damage in Acute Myocardial Infarction

福岡 良友 (福井大学 循環器内科)

#### PJ082-4 Prognostic Impact of Cardiac MIBG Imaging in Acute Decompensated Heart Failure Patients with Reduced, Mid-range and Preserved LVEF

瀬尾 昌裕 (大阪急性期・総合医療センター 心臓内科)

#### PJ082-5 Association between Basal Thinning of Interventricular Septum and Left Ventricular Dyssynchrony Assessed by Gated-SPECT MPI in Patients with Cardiac Sarcoidosis

鬼塚 久充 (宮崎大学 内科学講座循環体液制御学分野)

#### PJ082-6 Measurement of Myocardial Perfusion Reserve Using CZT SPECT

梅地 恭子 (新古賀病院心臓血管センター)

#### PJ082-7 Diagnostic Value of BMIPP and Coronary Artery Characteristics for Triglyceride Deposit Cardiomyovasculopathy (TGCV)

右田 卓 (日本大学 循環器内科)

## ポスターセッション（日本語）83 (O)

3月30日(土) 15:50-16:40

展示ホール

### Preventive Medicine/Epidemiology 1

座長:

堀部 秀樹 (岐阜県立多治見病院 循環器内科)

谷山 真規子 (岡山大学 循環器内科)

#### PJ083-1 Nocturia is Associated with Prevalent Hypertension in the Japanese General Population: The Watari Study

金野 敏 (東北労災病院 高血圧内科)

#### PJ083-2 Current Managements and Strategies for Atherosclerotic Risk Factors in School Children

末田 大輔 (熊本大学 循環器内科学)

#### PJ083-3 Serum Proprotein Convertase Subtilisin/Kexin Type 9 is Independently Associated with Insulin Resistance Triglycerides Levels and Lipoprotein (a) in a General Population

濱村 仁士 (久留米大学 内科 心臓・血管内科)

#### PJ083-4 Prognostic Value of Cognition Function in Patients with Admitted for Acute Decompensated Heart Failure: A Prospective Study

田邊 和也 (大阪府立急性期・総合医療センター 心臓内科)

#### PJ083-5 Is Resting Heart Rate Affected by the Size of Heart? Analysis in Sinus Rhythm

板橋 奈津 (心臓血管研究所 循環器内科)

#### PJ083-6 Plasma Xanthine Oxidoreductase Activity is Associated with Cardiovascular Biomarkers in a General Japanese Population: The Iwate Tohoku Medical Megabank Project

事崎 由佳 (岩手医科大学 いわて東北メディカル・メガバンク機構)

#### PJ083-7 Association of Smoking with Urine Indole Level: A Marker of Intestinal Microbiota

峰 政貴 (防衛医科大学校 循環器内科学)

## ポスターセッション（日本語）84 (O)

3月30日(土) 15:50-16:40

展示ホール

### Regeneration

座長:

柴 祐司 (信州大学 再生医科学教室)

松浦 勝久 (東京女子医科大学 先端生命医科学研究所)

#### PJ084-1 Co-culture with Sympathetic Neurons Promotes the Self-organization of iPS Cell-derived Cardiac Tissues

李 俊 (大阪大学 循環器内科学)

#### PJ084-2 A Possible Biological Pacemaker Created by HCN4-overexpressing Human iPS Cell-derived Cardiomyocytes

中村 一文 (岡山大学 循環器内科学)

#### PJ084-3 Dynamic Culture in RWV Bioreactor Incubates Massive Cardiac Constructs Derived from Induced Pluripotent Stem Cells with Preserved Myocardial Cell Viability

中里 太郎 (大阪大学 心臓血管外科)

#### PJ084-4 Human CD271-positive Adipose Derived Stem Cells are Angiogenic with Pericytic Gene Profile and Enhanced Engraftment Capacity in Cell Therapy

井上 己音 (金沢大学 循環器内科)

#### PJ084-5 The Recovery of the Mitochondrial Function in Myocardium with Regeneration Treatment Using Adipose-derived Mesenchymal Stem Cell

森 大輔 (大阪大学 心臓血管外科学)

#### PJ084-6 Functional Assessment of Human Bioengineered Cardiac Tissues in Hypoxia and Re-oxygenized Environment for Understanding Myocardial Functional Recovery in Heart Failure

山崎 祐 (東京女子医科大学 先端生命医科学研究所)

#### PJ084-7 Exosomes Mediate Myocardial Regeneration of Cardiac Progenitor Cells in a Swine Model of Dilated Cardiomyopathy

王 英正 (岡山大学病院新医療研究開発センター 再生医療部)

## Japan Heart Foundation Satoh Memorial Award Lecture

### 日本心臓財団佐藤賞記念講演

March 30 (Sat) 16:50-17:35

304, 3F, Conference Center

Chairperson:

Ken-ichi Hirata (Division of Cardiovascular Medicine, Department of Internal Medicine, Kobe University Graduate School of Medicine, Kobe)

### Elucidation of the Molecular Mechanism, Establishment of Diagnostic Method, and Drug Development by Omics Analysis of Intractable Cardiovascular Diseases

Yoshihiro Asano (Department of Cardiovascular Medicine, Osaka University Graduate School of Medicine, Suita)

## 日本循環器学会 委員会セッション (ダイバーシティ推進委員会)

3月30日(土) 14:10-15:40

会議センター 3階 [311+312]

女性循環器医師コンソーシアム: JCS-JJC

女性循環器医師のキャリアパス: How to be like Barbara and Christine

座長:

副島 京子 (杏林大学 循環器内科)

庄田 守男 (東京女子医科大学 循環器内科)

基調講演:

Barbara Casadei (University of Oxford, UK)

Christine E. Seidman (Harvard Medical School, USA)

総合討論:

上田 明子 (杏林大学 循環器内科・不整脈先進治療学研究講座)

大石 由美子 (日本医科大学 生化学・分子生物学)

大野 洋平 (東海大学 内科学系循環器内科学)

谷口 達典 (大阪大学 循環器内科学/バイオデザイン学共同研究講座/株式会社リモハブ)

## 日本循環器学会 委員会セッション (渉外委員会 (国際))

3月30日(土) 16:50-18:20

サテライト会場

海外留学ネットワーキングセミナー (留学支援助成セミナー含む)

座長:

阿古 潤哉 (北里大学 循環器内科)

Main Advisor:

井手 盛子 (大阪大学 循環器内科)

野村 章洋 (金沢大学 循環器内科)

文字 昭雄 (名古屋大学 循環器内科)

Assistant:

種池 学 (大阪大学 循環器内科)

桑原 政成 (虎の門病院循環器センター 内科)

市堀 泰裕 (大阪大学 循環器内科学)

山地 杏平 (小倉記念病院)

篠原 啓介 (九州大学 循環器内科)

成味 太郎 (山形大学 循環器内科)

中西 理子 (東邦大学 循環器内科)

椎名 由美 (聖路加国際病院 (St. Luke's International Hospital) 循環器内科)

田村 雄一 (国際医療福祉大学 循環器内科)

南 賢尚 (北里大学 循環器内科)

尾上 健児 (奈良県立医科大学 循環器内科)

妹尾 恵太郎 (京都府立医科大学 循環器内科)

佐藤 希美 (筑波大学 循環器内科)

March  
30  
PM

日本循環器学会 委員会セッション（学術集会プログラム部会）

3月30日（土） 13：40～14：40

サテライト会場

症例から学ぶガイドラインセミナー 3

【心疾患患者の妊娠・出産の適応・管理に関するガイドライン（2018年改訂版）

日本循環器学会/日本産科婦人科学会 合同ガイドライン】

ガイドライン班長：

赤木 禎治（岡山大学 循環器内科学）

池田 智明（三重大学 産婦人科）

症例提示：

篠原 啓介（九州大学 循環器内科）

澤野 充明（慶應義塾大学 循環器内科）

【先天性並びに小児期心疾患ガイドライン（2018年改訂版）】

ガイドライン班長：

安河内 聡（長野県立こども病院 循環器科）

症例提示：

高谷 陽一（岡山大学 超音波診断センター）

塩見 紘樹（京都大学医学部附属病院 循環器内科）

March  
30  
PM



## チーム医療セッション 教育講演 4 (HF/CM)

3月30日(土) 14:10-15:40  
アネックスホール 2階 [F201+F202]

### 心不全緩和ケアの実際

座長:

木原 康樹 (広島大学 医歯薬保健学研究所 循環器内科学)  
吉田 俊子 (宮城大学 看護学群)

1. 心不全緩和ケアチームの実際  
大石 醒悟 (兵庫県立姫路循環器病センター 循環器内科)
2. 循環器疾患における緩和ケア  
水野 篤 (聖路加国際病院 循環器内科)
3. 心不全緩和ケアにおける在宅医の関わり  
池田 真介 (きずなクリニック)
4. 心不全患者のアドバンス・ケア・プランニング  
木澤 義之 (神戸大学 緩和支援診療科)
5. 終末期を迎える患者とのかかわり  
高田 弥寿子 (国立循環器病研究センター)

March  
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PM

## チーム医療セッション 一般演題 (口述) 2 (O)

3月30日(土) 14:10-15:40  
会議センター 3階 [315]

### 栄養・リハビリ

座長:

田嶋 明彦 (帝京大学 医療技術学部 臨床検査学科)  
宮島 功 (近森病院 臨床栄養部)

- CO2-1 虚血性心疾患患者における肥満とダイナペニアが生命予後へ及ぼす影響  
内田 翔太 (北里大学 医療系研究科)
- CO2-2 心不全患者の体重増加に関連する因子の検討  
佐藤 麻美 (心臓血管研究所)
- CO2-3 心不全患者の塩味覚障害に関連する因子 HFrEF と HFpEF の違い  
浦出 華 (京都府立医科大学 栄養管理部)
- CO2-4 心臓血管外科術後患者の外来心臓リハビリテーション参加と遠隔期身体活動量の推移: 前向きコホート研究より  
亀島 匡高 (名古屋ハートセンター リハビリテーション部)
- CO2-5 高齢心臓外科手術患者の術後リハビリテーション経過にフレイル・抑うつ状態が与える影響  
戸田 真弘 (浜松医科大学 リハビリテーション科)
- CO2-6 急性大動脈解離患者における術前のフレイル評価と生命予後の関係  
山本 周平 (信州大学 リハビリテーション部)

## チーム医療セッション 一般演題 (口述) 3

3月30日(土) 16:50-18:20  
会議センター 3階 [315]

### 看護

座長:

三浦 稚郁子 (地域医療振興協会 事務局 医療事業本部)  
小西 治美 (国立循環器病研究センター 看護部 外来)

- CO3-1 当院集中治療室における痛み・不穏・せん妄管理プロトコル使用後のせん妄患者の割合についての検討  
小山内 佑 (仙台市医療センター仙台オープン病院 ICU)
- CO3-2 TAVIにおける認知症スクリーニング検査 (MMSE) と術後せん妄との関連性  
江頭 宗宏 (佐賀大学 看護部)
- CO3-3 入院中の内服自己管理が困難な高齢慢性心不全患者の認知機能の特徴  
安竹 正樹 (福井大学 リハビリテーション部)
- CO3-4 入院時緩和ケアスクリーニング導入による早期からの緩和ケア介入の可能性の検討  
中島 菜穂子 (久留米大学 看護部)

- CO3-5** 成人を迎えた先天性心疾患（CHD）患者と家族のQOLに基づく看護支援の検討  
山崎 啓子（宇部フロンティア大学 人間健康学部 看護学科）
- CO3-6** 心臓血管外科術前患者のマネージメント—Nurse Practitionerの役割—  
永谷 ますみ（藤田医科大学 中央診療部FNP室）

## チーム医療セッション 一般演題（ポスター）17

3月30日（土） 15：50—16：40

展示ホール

慢性期看護2

座長：

石井 典子（榊原記念病院 看護部）

- CP17-1** 高齢心不全患者の在宅療養継続を支援する訪問看護師が行う病態管理の実態  
大牛 晴代（株式会社 Leap 訪問看護ステーション プレックス）
- CP17-2** 慢性心不全患者・家族の意思決定支援と自立支援への介入—早期より多職種で退院支援を行った1事例を振り返る—  
向井 由紀子（心臓血管センター金沢循環器病院）
- CP17-3** 心臓移植登録を希望した重症心不全患者へのチーム介入実践報告  
菊池 潤子（北里大学 北里研究所病院）
- CP17-4** 橈骨アプローチ（CRA）における減圧方法に関する取り組み  
松平 美希（心臓血管センター金沢循環器病院）
- CP17-5** ホットバルーンアブレーションを導入するための取り組み  
岩城 明恵（富山県立中央病院 看護部）
- CP17-6** 心房中隔欠損症（ASD）患者における経カテーテル閉鎖術前後の年齢別臨床所見と看護指導に関する検討  
姜 旻廷（九州大学 医学研究院保健学部門）

## チーム医療セッション 一般演題（ポスター）18 (O)

3月30日（土） 15：50—16：40

展示ホール

フレイル

座長：

横山 美帆（順天堂大学 循環器内科学）

- CP18-1** 経カテーテル的大動脈弁置換術前後の筋肉量と栄養状態の実態調査  
有隅 里美（久留米大学 外科5階病棟）
- CP18-2** 男性心不全患者において身体計測値は骨格筋量および運動耐容能の指標となる  
宮崎 慎二郎（KKR高松病院 リハビリテーションセンター）
- CP18-3** 循環器疾患を有する高齢者における握力増強が自律神経活動指標に及ぼす影響  
中山 奈津紀（名古屋大学 看護学専攻）
- CP18-4** 高齢心臓手術患者における手術直後握力低下と退院時身体機能低下との関連  
大浦 啓輔（関西電力病院 リハビリテーション部）
- CP18-5** 術前の握力評価は開胸術患者の身体機能の把握に有用である  
手島 礼子（福岡大学 リハビリテーション部）
- CP18-6** 心血管疾患患者において J-CHS 基準によるフレイル評価は予後予測に有用か否か  
会田 慶太（北里大学 医療系研究科）

## チーム医療セッション 一般演題（ポスター）19 (O)

3月30日（土） 15：50—16：40

展示ホール

リハビリ5

座長：

紺野 久美子（帝京大学 循環器内科）

- CP19-1** 心臓外科手術を受ける高齢者の身体的フレイルと術後のADL低下の関連  
中田 智美（弘前大学）
- CP19-2** 高齢心不全患者に対する早期リハビリテーションへの取り組み  
吉田 仁美（滋賀県立総合病院 リハビリテーション科）

- CP19-3** 心不全患者における認知機能の低下が臨床経過に及ぼす影響について  
木村 順子（三豊総合病院企業団 リハビリテーション科）
- CP19-4** 当院心不全入院患者における心臓リハビリテーション介入時期と入院中の ADL 変化の関連についての検討  
岩井 彰宏（三豊総合病院企業団 リハビリテーション科）
- CP19-5** 後期高齢心不全患者の運動耐容能は心不全イベントの独立した予測因子か  
櫻田 弘治（心臓血管研究所 リハビリテーション室）
- CP19-6** 入院及び外来における継続的な心臓リハビリテーションが社会復帰に寄与した高度左心機能低下を有する拡張型心筋症例  
嶋 輝（静岡市立清水病院）

## チーム医療セッション 一般演題（ポスター）20 (O)

3月30日(土) 15:50-16:40

展示ホール

リハビリ6

座長:

森沢 知之（兵庫医療大学 リハビリテーション学部 理学療法学科）

- CP20-1** 急性心筋梗塞後の心不全合併は回復期身体活動量を低下させる  
入谷 直樹（豊橋ハートセンター リハビリテーション科）
- CP20-2** 心不全患者の急性期心臓リハビリテーションにおける運動機能回復の阻害要因の検討  
冨田 和裕（岐阜県立多治見病院 リハビリテーション科）
- CP20-3** 術前身体機能と術後入院期間の関係性に及ぼす性差の影響  
板垣 篤典（心臓血管研究所 リハビリテーション室）
- CP20-4** 大動脈弁狭窄症(AS)患者は、経カテーテル大動脈弁置換術(TAVR)後に活動範囲は広がるのか？— LSA (Life Space Assessment) を用いた検討—  
中野 善之（兵庫県立尼崎総合医療センター リハビリテーション部）
- CP20-5** 入院時の心不全合併が心原性脳梗塞症例の臨床経過に及ぼす影響  
和氣 洋享（三豊総合病院企業団 リハビリテーション科）
- CP20-6** 外来心臓リハビリテーション患者の背景因子と QOL の現状  
千原 恵美子（獨協医科大学 看護部）

## チーム医療セッション 一般演題（ポスター）21 (IMG)

3月30日(土) 15:50-16:40

展示ホール

画像・MR・SPECT

座長:

高瀬 伸一（三重大学 中央放射線部）

- CP21-1** Realize を用いた新規 MRI 冠動脈解析の冠動脈自動抽出能についての検討  
細川 智也（CVIC心臓画像クリニック飯田橋）
- CP21-2** MRI と超音波における左室駆出率（LVEF）の比較  
佐野 ひろみ（CVIC心臓画像クリニック飯田橋）
- CP21-3** 心臓 MRI における大動脈 Flow を用いた左室 1 回拍出量の評価  
稲本 英樹（CVIC心臓画像クリニック飯田橋）
- CP21-4** Magnetic resonance imaging (MRI) を用いた非侵襲的心筋線維化診断に関する新たな解析手法の提案: Native T1 myocardial mapping の histogram 解析  
高濱 英彰（福島県立医科大学 放射線部）
- CP21-5** 新規 parallel imaging (K-t SPEEDER) を使用した画質と撮像時間の検討  
鈴木 信司（CVIC心臓画像クリニック飯田橋）
- CP21-6** 心臓専用半導体 SPECT 装置における左室機能の再現性  
須永 貴俊（千葉西総合病院 放射線科）

## チーム医療セッション 一般演題（ポスター）22 (HF/CM)

3月30日(土) 15:50-16:40

展示ホール

心不全

座長:

河野 隆志 (慶應義塾大学 循環器内科)

**CP22-1** 新たな低栄養の国際統一基準は心疾患患者の予後予測に有用である  
古小高 純章 (北里大学 医療系研究科)

**CP22-2** 心不全増悪時における血清アルブミン濃度と治療介入における乖離  
矢野 浩太郎 (御幸病院 薬局)

**CP22-3** 心不全入院患者におけるうつ状態がADLの変化に与える影響  
中川 夏輝 (大阪市立大学 循環器病態内科学)

**CP22-4** 心不全手帳利用状況と利用有無による再入院率の比較  
矢伝 淳香 (心臓血管センター金沢循環器病院)

**CP22-5** 心不全患者支援に対する看護師の自己評価向上に向けた取り組み—心不全患者支援ツールを導入して—  
船橋 裕紀 (労働者健康安全機構 大阪労災病院)

**CP22-6** 市中急性期総合病院の循環器病棟におけるアドバンス・ケア・プランニング導入の実践報告  
川原 百絵 (武蔵野赤十字病院 看護部)

March  
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PM

## Coffee Break Seminar 10

3月30日(土) 15:50-16:40

会議センター 3階 [301]

これをおさえれば失神診療がわかる —最新のICM事情

座長:

栗田 隆志 (近畿大学 心臓血管センター)

1. ICM が変えた失神診断のアプローチ  
里見 和浩 (東京医科大学 循環器内科)
2. 失神の鑑別診断とそのコツ  
安部 治彦 (産業医科大学 不整脈先端治療学)

共催: 日本メドトロニック株式会社

## Coffee Break Seminar 11

3月30日(土) 15:50-16:40

会議センター 3階 [302]

DAPT and Bleeding Session for Young Physician

座長:

森野 禎浩 (岩手医科大学)

1. Perioperative Management of Patients Treated with PCI and DAPT  
青木 二郎 (三井記念病院)
2. High Bleeding Risk 症例に挑む —CREDO-Kyoto Risk Score に基づくベストアプローチ—  
夏秋 政浩 (佐賀大学)

共催: アボット バスキュラー ジャパン株式会社

## Coffee Break Seminar 12

3月30日(土) 15:50-16:40

会議センター 3階 [303]

急性心筋梗塞 (AMI) 後の心臓突然死 (SCD) リスク管理における着用型自動除細動器 (WCD) の有用性

座長:

尾崎 行男 (藤田医科大学 循環器内科)

1. 虚血心における WCD の有用性と潜在的役割  
佐々木 真吾 (弘前大学 循環器腎臓内科)
2. WCD の遠隔モニタリング機能の応用と今後の展望  
庭野 慎一 (北里大学 循環器内科)

共催: 旭化成ゾールメディカル株式会社

## Coffee Break Seminar 13

3月30日(土) 15:50-16:40

会議センター 3階 [304]

心血管疾患のある糖尿病治療における 1,5-AG の測定意義と活用法

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)

高山 忠輝 (日本大学 内科学系 総合診療学分野)

共催: 日本化薬株式会社

## Coffee Break Seminar 14

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3月30日(土) 15:50-16:40

会議センター 3階 [311+312]

虚血性心不全に対する治療戦略～ハートシートの使用と適応症例の検討～

座長:

増山 理 (JCHO星ヶ丘医療センター)

波多野 将 (東京大学 重症心不全治療開発講座)

共催: テルモ株式会社

March  
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## Coffee Break Seminar 15

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3月30日(土) 15:50-16:40

会議センター 3階 [315]

DESの最新エビデンスと Ultrathin Strut Orsiro DES

座長:

上村 史朗 (川崎医科大学 循環器内科学)

1. DESエビデンスの歴史から考える Ultrathin Strut Orsiro の弱点とうり

田邊 健吾 (三井記念病院 心臓大動脈センター 循環器内科)

2. 小径冠動脈治療における Ultrathin Strut Orsiro DES への期待

山下 武廣 (北海道大野記念病院 心臓血管センター)

共催: 日本ライフライン株式会社

## Coffee Break Seminar 16

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3月30日(土) 15:50-16:40

会議センター 5階 [501]

循環器疾患リスクとしての高尿酸血症: 基礎と臨床から

座長:

井上 晃男 (獨協医科大学 心臓・血管内科)

1. 高尿酸血症と循環器疾患

桑原 政成 (虎の門病院 集中治療科 兼 循環器センター内科)

2. 尿酸と尿酸産生の血管疾患マーカーとしての役割

楡山 暁史 (朝日生命成人病研究所 研究部)

共催: 株式会社三和化学研究所

## Coffee Break Seminar 17

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3月30日(土) 15:50-16:40

会議センター 5階 [502]

生活習慣病と低酸素シグナル

座長:

南野 徹 (新潟大学 循環器内科学)

武田 憲彦 (東京大学 循環器内科)

共催: 田辺三菱製薬株式会社

## Coffee Break Seminar 18

3月30日(土) 15:50-16:40

会議センター 5階 [503]

超高齢化社会における心不全チーム医療（内服徹底・栄養管理・緩和ケアの観点より）

座長：

伊藤 宏（秋田大学）

佐藤 幸人（兵庫県立尼崎総合医療センター 循環器内科）

共催：ファイザー株式会社

## Fireside Seminar 6

3月30日(土) 18:30-20:00

会議センター 3階 [301]

第80回冠循環談話会「冠循環分野におけるゲノム医療」

座長：

坂田 泰史（大阪大学 循環器内科学/大阪大学国際医工情報センター）

1. ヒトゲノム情報から考える冠動脈疾患治療・予防  
多田 隼人（金沢大学 救急部・循環器内科/金沢大学先進予防医学研究科 循環予防医学）
2. マルチオミックス連関による心筋症・心不全における精密医療の実現  
野村 征太郎（東京大学 重症心不全治療開発講座）

共催：日本ベーリンガーインゲルハイム株式会社

## Fireside Seminar 7

3月30日(土) 18:30-19:30

会議センター 3階 [311+312]

Onco-Cardiology～循環器医の役割と実践方法～

座長：

赤澤 宏（東京大学 循環器内科）

石岡 千加史（東北大学 加齢医学研究所 臨床腫瘍学分野）

1. がん治療関連性心血管障害の管理について  
志賀 太郎（がん研究会有明病院 腫瘍循環器・循環器内科）
2. がん関連血栓症に対するDOACの可能性とその限界  
小坂橋 紀通（群馬大学 循環器内科）

共催：バイエル薬品株式会社

## Fireside Seminar 8

3月30日(土) 18:30-19:30

会議センター 3階 [304]

発症分子病態から迫る肺動脈性肺高血圧治療の展望

座長：

辻野 一三（北海道大学 呼吸器内科学教室）

片岡 雅晴（慶應義塾大学 循環器内科）

共催：アクテリオン ファーマシューティカルズ ジャパン株式会社/日本新薬株式会社

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